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backend\co_models.py

```
1  from sqlalchemy import Column, Integer, String, TIMESTAMP, func, TEXT, ForeignKey, Enum, Boolean, Date
2  from sqlalchemy.orm import relationship
3  from backend.database import Base
4
5  class Sector(Base):
6      __tablename__ = 'utrau_sectores'
7      id_sector = Column(Integer, primary_key=True, autoincrement=True)
8      codigo = Column(String(20), nullable=False)
9      nombre = Column(String(100), nullable=False)
10
```

```
11 class Empresa(Base):
12     __tablename__ = 'utrau_empresas'
13     id_empresa = Column(Integer, primary_key=True, autoincrement=True)
14     nombre_fantasia = Column(String(150), nullable=False)
15     nombre_fiscal = Column(String(200), nullable=False)
16     rut = Column(String(20), nullable=True)
17     direccion = Column(String(255), nullable=True)
18     localidad = Column(String(100), nullable=True)
19     departamento = Column(String(100), nullable=True)
20     mail_oficial = Column(String(100), nullable=True)
21     cant_trabajadores = Column(Integer, default=0)
22     tipo = Column(Enum('Empresa', 'MTSS/IGTSS', 'Judicial', 'Sindicato', 'Otro'), default='Empresa')
23     estado = Column(Enum('Activa', 'En Conflicto', 'Archivada'), default='Activa')
24     contactos = relationship("Contacto", back_populates="empresa")
25
26 class Contacto(Base):
27     __tablename__ = 'utrau_contactos'
28     id_contacto = Column(Integer, primary_key=True, autoincrement=True)
29     id_empresa = Column(Integer, ForeignKey('utrau_empresas.id_empresa'), nullable=False)
30     nombre = Column(String(150), nullable=False)
31     cargo = Column(String(100), nullable=True)
32     celular_whatsapp = Column(String(50), nullable=True)
33     email = Column(String(100), nullable=True)
34     empresa = relationship("Empresa", back_populates="contactos")
35
36 class Usuario(Base):
37     __tablename__ = 'utrau_usuarios'
38     id_usuario = Column(Integer, primary_key=True, autoincrement=True)
39     alias = Column(String(50), unique=True, nullable=False)
40     nombre_completo = Column(String(150), nullable=False)
41     pin_firma = Column(String(255), nullable=False)
42     rol = Column(Integer, default=1)
43     estado = Column(Enum('ACTIVO', 'INACTIVO'), default='ACTIVO')
44     tipo_documento = Column(Enum('CI', 'PASAPORTE', 'OTROS'), default='CI')
45     cedula_identidad = Column(String(20), nullable=True)
46     fecha_nacimiento = Column(Date, nullable=True)
47     whatsapp = Column(String(20), nullable=True)
48     celular = Column(String(20), nullable=True)
49     email = Column(String(100), nullable=True)
```

```

50 fecha_ingreso = Column(Date, nullable=True)
51 id_sector = Column(Integer, ForeignKey('utrau_sectores.id_sector'), nullable=True)
52 id_empresa = Column(Integer, ForeignKey('utrau_empresas.id_empresa'), nullable=True)
53 tipo_contrato = Column(Enum('MENSUAL', 'JORNALERO', 'ZAFRAL', 'OTROS'), default='MENSUAL')
54 path_cedula_frente = Column(String(255), nullable=True)
55 path_cedula_atras = Column(String(255), nullable=True)
56 path_foto = Column(String(255), nullable=True)
57 path_firma = Column(String(255), nullable=True)
58 version = Column(Integer, nullable=False, default=1)
59 ultima_conexion = Column(TIMESTAMP, server_default=func.now(), onupdate=func.now())
60 fecha_creacion = Column(TIMESTAMP, server_default=func.now())
61 id_creador = Column(Integer, nullable=True)
62 id_editor = Column(Integer, nullable=True)
63 tema_visual = Column(Integer, default=0)
64 sector = relationship("Sector")
65 empresa = relationship("Empresa")
66
67 class TerminalActiva(Base):
68     __tablename__ = 'utrau_terminales_activas'
69     uuid_terminal = Column(String(100), primary_key=True)
70     nombre_equipo = Column(String(100), nullable=True)
71     id_usuario_actual = Column(Integer, ForeignKey('utrau_usuarios.id_usuario'))
72     estado = Column(Enum('CONECTADO', 'DESCONECTADO', 'PENDIENTE'), default='PENDIENTE')
73     ultima_conexion = Column(TIMESTAMP, server_default=func.now(), onupdate=func.now())
74     usuario = relationship("Usuario")
75
76 class Cargo(Base):
77     __tablename__ = 'utrau_cargos'
78     id_cargo = Column(Integer, primary_key=True, autoincrement=True)
79     nombre_cargo = Column(String(100), nullable=False)
80     es_ejecutivo = Column(Boolean, default=False)
81     orden = Column(Integer, default=0)
82     version = Column(Integer, nullable=False, default=1)
83
84 class Asignacion(Base):
85     __tablename__ = 'utrau_asignaciones'
86     id_asignacion = Column(Integer, primary_key=True, autoincrement=True)
87     id_usuario = Column(Integer, ForeignKey('utrau_usuarios.id_usuario'), nullable=False)
88     id_cargo = Column(Integer, ForeignKey('utrau_cargos.id_cargo'), nullable=False)

```

```

89     fecha_inicio = Column(Date, nullable=False)
90     fecha_fin = Column(Date, nullable=True)
91     version = Column(Integer, nullable=False, default=1)
92
93     # =====
94     # MÓDULO DE CONFLICTOS Y EXPEDIENTES
95     # =====
96
97     class Conflicto(Base):
98         __tablename__ = 'utrau_conflictos'
99         id_conflicto = Column(Integer, primary_key=True, autoincrement=True)
100         titulo = Column(String(255), nullable=False)
101         id_empresa = Column(Integer, ForeignKey('utrau_empresas.id_empresa'), nullable=False)
102         ambito = Column(Enum('Interno', 'Bipartito', 'Tripartito', 'Judicial'), default='Bipartito')
103         estado = Column(Enum('Activo', 'Archivado'), default='Activo')
104         id_responsable = Column(Integer, ForeignKey('utrau_usuarios.id_usuario'), nullable=False)
105         id_conflicto_padre = Column(Integer, ForeignKey('utrau_conflictos.id_conflicto'), nullable=True)
106         fecha_creacion = Column(TIMESTAMP, nullable=False, server_default=func.now())
107         version = Column(Integer, default=1)
108
109     class ConflictoParticipante(Base):
110         __tablename__ = 'utrau_conflictos_participantes'
111         id_conflicto = Column(Integer, ForeignKey('utrau_conflictos.id_conflicto'), primary_key=True)
112         id_usuario = Column(Integer, ForeignKey('utrau_usuarios.id_usuario'), primary_key=True)
113
114     class Bitacora(Base):
115         __tablename__ = 'utrau_bitacora'
116         id_bitacora = Column(Integer, primary_key=True, autoincrement=True)
117         id_conflicto = Column(Integer, ForeignKey('utrau_conflictos.id_conflicto'), nullable=False)
118         id_usuario = Column(Integer, ForeignKey('utrau_usuarios.id_usuario'), nullable=False)
119         descripcion = Column(TEXT, nullable=False)
120         timestamp = Column(TIMESTAMP, nullable=False, server_default=func.now())
121
122     class ConflictoDoc(Base):
123         __tablename__ = 'utrau_conflictos_docs'
124         id_doc = Column(Integer, primary_key=True, autoincrement=True)
125         id_conflicto = Column(Integer, ForeignKey('utrau_conflictos.id_conflicto'), nullable=False)
126         id_usuario = Column(Integer, ForeignKey('utrau_usuarios.id_usuario'), nullable=False)
127         tipo_documento = Column(Enum('Denuncia', 'Acta', 'Recibo', 'Respuesta', 'Evidencia', 'Otro'), default='Otro')

```

```

128     descripcion_corta = Column(String(255), nullable=False)
129     ruta_archivo = Column(String(255), nullable=False)
130     fecha_carga = Column(TIMESTAMP, nullable=False, server_default=func.now())
131
132     # =====
133     # AUDITORÍA
134     # =====
135
136     class AuditoriaHistorica(Base):
137         __tablename__ = 'utrau_auditoria_historica'
138         id_auditoria = Column(Integer, primary_key=True, autoincrement=True)
139         tabla_afectada = Column(String(50), nullable=False)
140         id_registro = Column(Integer, nullable=False)
141         accion = Column(Enum('INSERT', 'UPDATE', 'DELETE'), nullable=False)
142         datos_antes = Column(TEXT, nullable=True)
143         datos_despues = Column(TEXT, nullable=True)
144         id_usuario = Column(Integer, nullable=False)
145         timestamp = Column(TIMESTAMP, nullable=False, server_default=func.now())
146
147     class Log(Base):
148         __tablename__ = 'utrau_logs'
149         id_log = Column(Integer, primary_key=True, autoincrement=True)
150         modulo = Column(String(100), nullable=True)
151         evento = Column(String(50), nullable=True)
152         descripcion = Column(TEXT, nullable=True)
153         id_usuario = Column(Integer, nullable=True)
154         uuid_terminal = Column(String(100), nullable=True)
155         fecha_hora = Column(TIMESTAMP, nullable=False, server_default=func.now())

```

backend\database.py

```

1 from sqlalchemy import create_engine
2 from sqlalchemy.orm import sessionmaker
3
4 SQLALCHEMY_DATABASE_URL = "mysql+pymysql://root:@localhost:3306/utrau_app_db"
5 engine = create_engine(SQLALCHEMY_DATABASE_URL)
6 SessionLocal = sessionmaker(autocommit=False, autoflush=False, bind=engine)

```

backend\db_core.py

```

1 import mysql.connector
2
3 def get_connection():
4     return mysql.connector.connect(
5         host="localhost",
6         user="root",
7         password="",
8         database="utrau_app_db"
9     )

```

backend\db_manager.py

```

1 import json
2 from datetime import date, datetime
3 from decimal import Decimal
4 from backend.db_core import get_connection
5
6 def _json_serializer(obj):
7     if isinstance(obj, (datetime, date)):
8         return obj.isoformat()
9     if isinstance(obj, Decimal):
10         return str(obj)
11     raise TypeError(f"El tipo {type(obj)} no es serializable en JSON")
12
13 def registrar_auditoria(cursor, tabla, id_registro, accion, antes, despues, id_editor):
14     query = """INSERT INTO utrau_auditoria_historica
15 (tabla_afectada, id_registro, accion, datos_antes, datos_despues, id_usuario)
16 VALUES (%s, %s, %s, %s, %s, %s)"""
17
18     datos_antes_json = json.dumps(antes, default=_json_serializer)
19     datos_despues_json = json.dumps(despues, default=_json_serializer)
20
21     cursor.execute(query, (tabla, id_registro, accion, datos_antes_json, datos_despues_json, id_editor))
22
23 def actualizar_registro_seguro(tabla, id_registro, datos_nuevos, version_actual, id_editor):
24     db = get_connection()
25     cursor = db.cursor(dictionary=True)
26
27     pk_name = 'id'

```

```

28     if tabla == "utrau_usuarios":
29         pk_name = "id_usuario"
30
31     try:
32         cursor.execute(f"SELECT * FROM {tabla} WHERE {pk_name} = %s", (id_registro,))
33         datos_antes = cursor.fetchone()
34
35         if not datos_antes:
36             return False
37
38         set_clause = ", ".join([f"{k}=%s" for k in datos_nuevos.keys()])
39         query = f"""UPDATE {tabla} SET {set_clause}, version = version + 1, id_editor = %s
40             WHERE {pk_name} = %s AND version = %s"""
41
42         params = list(datos_nuevos.values()) + [id_editor, id_registro, version_actual]
43         cursor.execute(query, params)
44
45         if cursor.rowcount > 0:
46             registrar_auditoria(cursor, tabla, id_registro, 'UPDATE', datos_antes, datos_nuevos, id_editor)
47             db.commit()
48             return True
49         else:
50             db.rollback()
51             return False
52
53     except Exception as e:
54         db.rollback()
55         raise e
56     finally:
57         cursor.close()
58         db.close()

```

backend\security.py

```

1  from flask import session, redirect, url_for, flash, render_template_string
2  from functools import wraps
3
4  def requiere_ejecutivo(f):
5      @wraps(f)

```

```

6     def decorated_function(*args, **kwargs):
7         if 'user_id' not in session:
8             flash('Debes iniciar sesión.', 'error')
9             return redirect(url_for('auth.login'))
10
11         user_rol = session.get('user_rol', 1)
12
13         if user_rol not in [3, 4]:
14             return render_template_string("<h1>Acceso Denegado</h1><p>Tu rol no tiene permiso para acceder a esta sección.</p>")
15
16         return f(*args, **kwargs)
17     return decorated_function
18
19 def requiere_login(f):
20     @wraps(f)
21     def decorated_function(*args, **kwargs):
22         if 'user_id' not in session:
23             flash('Debes iniciar sesión para continuar.', 'error')
24             return redirect(url_for('auth.login'))
25         return f(*args, **kwargs)
26     return decorated_function

```

backend\utils.py

```

1 import os
2 from datetime import datetime
3 from werkzeug.utils import secure_filename
4 from PIL import Image, ImageOps
5
6 BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))
7
8 UPLOAD_FOLDER = os.path.join(BASE_DIR, 'static', 'uploads')
9 PERFILES_FOLDER = os.path.join(UPLOAD_FOLDER, 'perfiles')
10 DOCUMENTOS_FOLDER = os.path.join(UPLOAD_FOLDER, 'documentos')
11 FIRMAS_FOLDER = os.path.join(UPLOAD_FOLDER, 'firmas')
12
13 for folder in [PERFILES_FOLDER, DOCUMENTOS_FOLDER, FIRMAS_FOLDER]:
14     os.makedirs(folder, exist_ok=True)
15

```



```
16 def guardar_archivo(archivo, tipo_archivo, alias_usuario):
17     if not archivo or archivo.filename == '':
18         return None
19
20     extension = os.path.splitext(archivo.filename)[1].lower()
21     fecha_str = datetime.now().strftime('%Y%m%d%H%M%S')
22     nombre_limpio = secure_filename(f"{tipo_archivo}_{alias_usuario}_{fecha_str}{extension}")
23
24     if tipo_archivo == 'FOTO':
25         ruta_destino = os.path.join(PERFILES_FOLDER, nombre_limpio)
26         ruta_bd = f"/static/uploads/perfiles/{nombre_limpio}"
27     elif tipo_archivo in ['CI_FRENTE', 'CI_ATRAS']:
28         ruta_destino = os.path.join(DOCUMENTOS_FOLDER, nombre_limpio)
29         ruta_bd = f"/static/uploads/documentos/{nombre_limpio}"
30     elif tipo_archivo == 'FIRMA':
31         ruta_destino = os.path.join(FIRMAS_FOLDER, nombre_limpio)
32         ruta_bd = f"/static/uploads/firmas/{nombre_limpio}"
33     else:
34         ruta_destino = os.path.join(UPLOAD_FOLDER, nombre_limpio)
35         ruta_bd = f"/static/uploads/{nombre_limpio}"
36
37     try:
38         archivo.save(ruta_destino)
39         return ruta_bd
40     except Exception as e:
41         print(f"Error al guardar archivo en disco: {e}")
42         return None
43
44 def procesar_firma_transparente(ruta_relativa_bd):
45     if not ruta_relativa_bd:
46         return None
47
48     partes_ruta = ruta_relativa_bd.strip("/").split("/")
49     ruta_fisica = os.path.join(BASE_DIR, *partes_ruta)
50
51     try:
52         img = Image.open(ruta_fisica)
53         img = ImageOps.exif_transpose(img)
54         img = img.convert("RGBA")
```

```

55     datas = img.getdata()
56
57     nuevo_data = []
58     for item in datas:
59         luminosidad = (item[0] + item[1] + item[2]) // 3
60         if luminosidad > 110:
61             nuevo_data.append((255, 255, 255, 0))
62         else:
63             nuevo_data.append((20, 30, 80, 255))
64
65     img.putdata(nuevo_data)
66
67     nombre_base = os.path.splitext(os.path.basename(ruta_fisica))[0]
68     nombre_transparente = nombre_base.replace('FIRMA_', 'FIRMA_TRANSPARENTE_') + '.png'
69     ruta_destino_fisica = os.path.join(FIRMAS_FOLDER, nombre_transparente)
70
71     img.save(ruta_destino_fisica, "PNG")
72
73     return f"/static/uploads/firmas/{nombre_transparente}"
74
75 except Exception as e:
76     print(f"Error procesando firma transparente: {e}")
77     return None

```

templates\agenda.html

```

1  <!DOCTYPE html>
2  <html lang="es" class="{ 'dark' if tema == 1 else '' }">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no">
6      <title>UTRAU - Agenda Operativa</title>
7      <script src="https://cdn.tailwindcss.com"></script>
8      <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/fullcalendar@6.1.14/index.global.min.js">
9      <script src="https://cdn.jsdelivr.net/npm/fullcalendar@6.1.14/index.global.min.js"></script>
10     <script>
11         tailwind.config = { darkMode: 'class', theme: { extend: {} } }
12     </script>
13     <style>

```

```

14     body { margin: 0; padding: 0; overflow: hidden; }
15     .fc-theme-standard td, .fc-theme-standard th { border-color: rgba(148, 163, 184, 0.2); }
16     .fc-col-header-cell { padding: 12px 0 !important; font-size: 12px; text-transform: uppercase; font-weight: 900; }
17     .fc-event { border: none !important; border-radius: 6px !important; padding: 2px 4px; box-shadow: 0 1px 2px rgba(0,0,0,0.1); cursor:
pointer; transition: transform 0.1s; }
18     .fc-event:hover { transform: scale(1.02); }
19     .fc-day-today { background-color: rgba(59, 130, 246, 0.05) !important; }
20     .fc-button-primary { background-color: white !important; color: #334155 !important; border: 1px solid #cbd5e1 !important; font-weight:
bold !important; text-transform: capitalize !important; border-radius: 8px !important; transition: all 0.2s !important; }
21     .fc-button-primary:hover { background-color: #f1f5f9 !important; }
22     .fc-button-active { background-color: #e2e8f0 !important; box-shadow: inset 0 2px 4px rgba(0,0,0,0.05) !important; }
23     .dark .fc-button-primary { background-color: #1e293b !important; color: #cbd5e1 !important; border-color: #334155 !important; }
24     .dark .fc-button-primary:hover { background-color: #334155 !important; }
25     .dark .fc-button-active { background-color: #0f172a !important; }
26     .dark .fc-col-header-cell, .dark .fc-daygrid-day-number { color: #94a3b8; }
27     #calendar-container { height: calc(100vh - 65px); }
28 </style>
29 </head>
30 <body class="bg-white dark:bg-slate-950 text-slate-900 dark:text-slate-100 transition-colors duration-300">
31
32     <nav class="bg-slate-900 border-b border-slate-800 p-4 flex justify-between items-center shadow-md text-white h-[65px]">
33         <div class="flex items-center space-x-3">
34             <span class="font-black text-blue-500">UTRAU <span class="text-slate-400 font-bold hidden sm:inline">| AGENDA SINDICAL</span></span>
35         </div>
36         <div class="flex items-center space-x-4">
37             <span id="loading-indicator" class="hidden text-xs font-bold text-amber-400 uppercase animate-pulse mr-2"><i class="fa-solid fa-
rotate animate-spin mr-1"></i> Sincronizando...</span>
38             <a href="{ { url_for('index') } }" class="text-xs font-bold uppercase text-slate-400 hover:text-white transition"><i class="fa-solid
fa-arrow-left mr-2"></i> Volver</a>
39         </div>
40     </nav>
41
42     <div id="calendar-container" class="w-full p-2 sm:p-4 bg-slate-50 dark:bg-slate-900">
43         <div id="calendar" class="w-full h-full bg-white dark:bg-slate-950 rounded-2xl shadow-sm border border-slate-200 dark:border-slate-800 p-
2 sm:p-4"></div>
44     </div>
45
46     <!-- MODAL NUEVO -->
47     <div id="modalNuevo" class="fixed inset-0 bg-slate-900/60 z-50 hidden items-center justify-center backdrop-blur-sm p-4">

```

```
48     <div class="bg-white dark:bg-slate-900 rounded-3xl shadow-2xl w-full max-w-md border border-slate-200 dark:border-slate-800 flex flex-col
max-h-[90vh]">
49         <div class="p-5 border-b border-slate-100 dark:border-slate-800 flex justify-between items-center bg-slate-50 dark:bg-slate-800/50
rounded-t-3xl">
50             <h3 class="font-black uppercase tracking-tight text-blue-600 dark:text-blue-400"><i class="fa-solid fa-calendar-plus mr-2">
</i>Agendar Evento</h3>
51             <button onclick="cerrarModal('modalNuevo')" class="text-slate-400 hover:text-red-500 transition"><i class="fa-solid fa-xmark
text-xl"></i></button>
52         </div>
53
54         <div class="p-6 overflow-y-auto flex-1 space-y-4">
55             <div>
56                 <input type="text" id="ev_titulo" placeholder="Título de la reunión o actividad" class="w-full px-4 py-3 text-lg font-black
rounded-xl border-2 border-slate-200 dark:border-slate-700 bg-transparent focus:border-blue-500 outline-none">
57             </div>
58
59             <div class="grid grid-cols-2 gap-4">
60                 <div>
61                     <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Fecha y Hora Inicio</label>
62                     <input type="datetime-local" id="ev_inicio" class="w-full px-3 py-2 rounded-lg border border-slate-200 dark:border-slate-
700 bg-slate-50 dark:bg-slate-800 text-sm font-bold outline-none focus:border-blue-500">
63                 </div>
64                 <div>
65                     <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Fecha y Hora Fin</label>
66                     <input type="datetime-local" id="ev_fin" class="w-full px-3 py-2 rounded-lg border border-slate-200 dark:border-slate-700
bg-slate-50 dark:bg-slate-800 text-sm font-bold outline-none focus:border-blue-500">
67                 </div>
68             </div>
69
70             <div class="flex items-center space-x-2">
71                 <input type="checkbox" id="ev_todo_dia" class="w-4 h-4 accent-blue-600">
72                 <label for="ev_todo_dia" class="text-xs font-bold text-slate-600 dark:text-slate-400 cursor-pointer">Es de jornada
completa</label>
73             </div>
74
75             <div>
76                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Privacidad (Visibilidad)</label>
77                 <select id="ev_visibilidad" class="w-full px-3 py-2 rounded-lg border border-slate-200 dark:border-slate-700 bg-slate-50
dark:bg-slate-800 text-sm font-bold outline-none">
78                     <option value="Solo Participantes">Solo Participantes (Resto ve "Ocupado")</option>
```

```
79         <option value="Institucional">Institucional (Público para el sindicato)</option>
80         <option value="Privado">Totalmente Privado</option>
81     </select>
82 </div>
83
84 <div>
85     <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Compañeros Invitados (Opcional)</label>
86     <div class="border border-slate-200 dark:border-slate-700 rounded-lg p-2 max-h-32 overflow-y-auto bg-slate-50 dark:bg-slate-
800/50 space-y-1">
87         {% for u in lista_usuarios %}
88         <label class="flex items-center space-x-2 p-1 hover:bg-white dark:hover:bg-slate-700 rounded cursor-pointer transition">
89             <input type="checkbox" value="{{ u.id_usuario }}" class="check-participante w-4 h-4 accent-emerald-500">
90             {% if u.path_foto %}
91                 
92             {% else %}
93                 <div class="w-5 h-5 rounded-full bg-slate-300 dark:bg-slate-600 text-slate-500 dark:text-slate-300 flex items-
center justify-center text-[10px] font-bold">{{ u.nombre_completo[0:1] }}</div>
94             {% endif %}
95             <span class="text-xs font-bold">{{ u.nombre_completo }}</span>
96         </label>
97         {% endfor %}
98     </div>
99 </div>
100
101 <div>
102     <textarea id="ev_desc" rows="2" placeholder="Notas adicionales o lugar..." class="w-full px-4 py-3 text-sm font-medium
rounded-xl border border-slate-200 dark:border-slate-700 bg-transparent focus:border-blue-500 outline-none"></textarea>
103 </div>
104 </div>
105
106 <div class="p-4 border-t border-slate-100 dark:border-slate-800">
107     <button onclick="guardarEvento()" class="w-full bg-blue-600 hover:bg-blue-700 text-white font-black py-3 rounded-xl transition
uppercase tracking-widest text-sm shadow-md">
108         Guardar Propuesta
109     </button>
110 </div>
111 </div>
112 </div>
113
```

```
114     <!-- MODAL VER -->
115     <div id="modalVer" class="fixed inset-0 bg-slate-900/60 z-50 hidden items-center justify-center backdrop-blur-sm p-4">
116         <div class="bg-white dark:bg-slate-900 rounded-3xl shadow-2xl w-full max-w-md border border-slate-200 dark:border-slate-800 overflow-
hidden flex flex-col max-h-[90vh]">
117             <div class="p-6 overflow-y-auto">
118                 <div class="flex justify-between items-start mb-4">
119                     <div>
120                         <span id="ver_estado_badge" class="px-2 py-1 rounded text-[10px] font-black uppercase tracking-widest"></span>
121                         <h3 id="ver_titulo" class="text-xl font-black mt-2 leading-tight"></h3>
122                     </div>
123                     <button onclick="cerrarModal('modalVer')" class="text-slate-400 hover:text-red-500 transition mt-1"><i class="fa-solid fa-
xmark text-xl"></i></button>
124                 </div>
125
126                 <div class="space-y-3 mb-6">
127                     <p class="text-sm font-medium text-slate-600 dark:text-slate-400"><i class="fa-regular fa-clock w-5 text-center text-blue-
500"></i> <span id="ver_fecha"></span></p>
128                     <p class="text-sm font-medium text-slate-600 dark:text-slate-400"><i class="fa-solid fa-user w-5 text-center text-blue-500">
</i> Agendado por: <span id="ver_creador" class="font-bold"></span></p>
129                     <p class="text-sm font-medium text-slate-600 dark:text-slate-400"><i class="fa-solid fa-users w-5 text-center text-blue-500">
</i> <span id="ver_participantes" class="font-bold"></span> invitados</p>
130
131                     <div id="caja_descripcion" class="mt-4 p-3 bg-slate-50 dark:bg-slate-800 rounded-lg text-sm border border-slate-200
dark:border-slate-700 hidden">
132                         <p id="ver_desc" class="whitespace-pre-line text-slate-700 dark:text-slate-300"></p>
133                     </div>
134                 </div>
135
136                 {% if user_rol >= 3 %}
137                 <div id="panel_ejecutivo" class="pt-4 border-t border-slate-200 dark:border-slate-700 flex space-x-2 hidden">
138                     <input type="hidden" id="ver_id_evento">
139                     <button onclick="cambiarEstadoEvento('Fijado')" class="flex-1 bg-emerald-100 text-emerald-700 hover:bg-emerald-600
hover:text-white font-black py-2 rounded-xl transition text-xs uppercase tracking-wide border border-emerald-200 hover:border-emerald-600 shadow-
sm">
140                         <i class="fa-solid fa-check mr-1"></i> Fijar Fecha
141                     </button>
142                     <button onclick="cambiarEstadoEvento('Cerrado')" class="flex-1 bg-slate-200 text-slate-600 hover:bg-slate-700 hover:text-
white font-black py-2 rounded-xl transition text-xs uppercase tracking-wide border border-slate-300 hover:border-slate-700 shadow-sm">
143                         <i class="fa-solid fa-lock mr-1"></i> Cerrar
144                     </button>
```

```

145         </div>
146         {% endif %}
147     </div>
148
149     <div class="bg-blue-50 dark:bg-blue-900/10 p-3 text-center border-t border-blue-100 dark:border-blue-800/30 mt-auto">
150         <span class="text-[10px] font-black text-blue-600 dark:text-blue-400 uppercase tracking-widest cursor-not-allowed opacity-60"><i
class="fa-solid fa-comments mr-2"></i>Foro de Coordinación (Próximamente)</span>
151     </div>
152 </div>
153 </div>
154
155 <script>
156     const ROL_USUARIO = {{ user_rol }};
157     let calendario;
158
159     document.addEventListener('DOMContentLoaded', function() {
160         const calendarEl = document.getElementById('calendar');
161         const loadingEl = document.getElementById('loading-indicator');
162
163         calendario = new FullCalendar.Calendar(calendarEl, {
164             locale: 'es',
165             initialView: window.innerWidth < 768 ? 'timeGridDay' : 'dayGridMonth',
166             headerToolbar: {
167                 left: 'prev,next today',
168                 center: 'title',
169                 right: 'dayGridMonth,timeGridWeek,timeGridDay,listMonth'
170             },
171             buttonText: {
172                 today: 'Hoy',
173                 month: 'Mes',
174                 week: 'Semana',
175                 day: 'Día',
176                 list: 'Lista'
177             },
178             navLinks: true,
179             editable: false,
180             selectable: (ROL_USUARIO >= 2),
181             selectMirror: true,
182             dayMaxEvents: true,

```

```
183
184     events: '/agenda/api/eventos',
185
186     loading: function(isLoading) {
187         if (isLoading) {
188             loadingEl.classList.remove('hidden');
189         } else {
190             loadingEl.classList.add('hidden');
191         }
192     },
193
194     select: function(info) {
195         if (ROL_USUARIO < 2) return;
196
197         const formatInput = (dateObj) => {
198             let tzoffset = (new Date()).getTimezoneOffset() * 60000;
199             let localISOTime = (new Date(dateObj - tzoffset)).toISOString().slice(0, 16);
200             return localISOTime;
201         };
202
203         document.getElementById('ev_inicio').value = formatInput(info.start);
204         document.getElementById('ev_fin').value = formatInput(info.end);
205         document.getElementById('ev_todo_dia').checked = info.allDay;
206
207         abrirModal('modalNuevo');
208     },
209
210     eventClick: function(info) {
211         const ev = info.event;
212         const props = ev.extendedProps;
213
214         if (ev.title === 'Ocupado' && props.visibilidad === 'Privado') {
215             return;
216         }
217
218         document.getElementById('ver_titulo').innerText = ev.title;
219
220         let opts = { weekday: 'long', month: 'long', day: 'numeric', hour: '2-digit', minute: '2-digit' };
221         let fechaStr = ev.start.toLocaleDateString('es-UY', opts);
```


fechaStr;

```
if (ev.end && !ev.allDay) {
  fechaStr += " hasta " + ev.end.toLocaleTimeString('es-UY', {hour: '2-digit', minute:'2-digit'});
}
document.getElementById('ver_fecha').innerText = ev.allDay ? "Jornada Completa (" + ev.start.toLocaleDateString() + ")" :
fechaStr;

document.getElementById('ver_creador').innerText = props.creador;
document.getElementById('ver_participantes').innerText = props.participantes;

if(props.descripcion) {
  document.getElementById('ver_desc').innerText = props.descripcion;
  document.getElementById('caja_descripcion').classList.remove('hidden');
} else {
  document.getElementById('caja_descripcion').classList.add('hidden');
}

let badge = document.getElementById('ver_estado_badge');
badge.innerText = props.estado;
badge.className = "px-2 py-1 rounded text-[10px] font-black uppercase tracking-widest text-white ";

if(props.estado === 'Fijado') {
  badge.className += "bg-emerald-500";
} else if(props.estado === 'Propuesto') {
  badge.className += "bg-blue-500 animate-pulse";
} else {
  badge.className += "bg-slate-500";
}

let panelEjecutivo = document.getElementById('panel_ejecutivo');
if (panelEjecutivo) {
  if (props.estado === 'Propuesto' || props.estado === 'Fijado') {
    document.getElementById('ver_id_evento').value = ev.id;
    panelEjecutivo.classList.remove('hidden');
  } else {
    panelEjecutivo.classList.add('hidden');
  }
}

abrirModal('modalVer');
```

```
260     }
261   });
262
263   calendario.render();
264 });
265
266 function abrirModal(id) { document.getElementById(id).classList.remove('hidden'); document.getElementById(id).classList.add('flex'); }
267 function cerrarModal(id) { document.getElementById(id).classList.add('hidden'); document.getElementById(id).classList.remove('flex'); }
268
269 async function guardarEvento() {
270   const titulo = document.getElementById('ev_titulo').value;
271   const start = document.getElementById('ev_inicio').value;
272   const end = document.getElementById('ev_fin').value;
273
274   if(!titulo || !start || !end) return alert("Por favor complete Título y Fechas.");
275
276   let checks = document.querySelectorAll('.check-participante:checked');
277   let invitados = Array.from(checks).map(c => c.value);
278
279   const payload = {
280     titulo: titulo,
281     start: start,
282     end: end,
283     allDay: document.getElementById('ev_todo_dia').checked,
284     visibilidad: document.getElementById('ev_visibilidad').value,
285     descripcion: document.getElementById('ev_desc').value,
286     participantes: invitados
287   };
288
289   try {
290     let res = await fetch('/agenda/api/eventos', {
291       method: 'POST',
292       headers: {'Content-Type': 'application/json'},
293       body: JSON.stringify(payload)
294     });
295     let data = await res.json();
296
297     if(data.success) {
298       cerrarModal('modalNuevo');
```

```
299         calendario.refetchEvents();
300
301         document.getElementById('ev_titulo').value = '';
302         document.getElementById('ev_desc').value = '';
303         checks.forEach(c => c.checked = false);
304     } else {
305         alert("Error: " + data.error);
306     }
307 } catch(e) {
308     alert("Fallo de conexión.");
309 }
310 }
311
312 async function cambiarEstadoEvento(nuevo_estado) {
313     const id = document.getElementById('ver_id_evento').value;
314     if(!id) return;
315
316     if(!confirm(`¿Estás seguro de marcar esta reunión como ${nuevo_estado}?`)) return;
317
318     try {
319         let res = await fetch('/agenda/api/eventos/estado', {
320             method: 'POST',
321             headers: {'Content-Type': 'application/json'},
322             body: JSON.stringify({id_evento: id, estado: nuevo_estado})
323         });
324         let data = await res.json();
325
326         if(data.success) {
327             cerrarModal('modalVer');
328             calendario.refetchEvents();
329         } else {
330             alert("Error: " + data.error);
331         }
332     } catch(e) {
333         alert("Fallo de conexión.");
334     }
335 }
336 </script>
337 </body>
```

templates\config_asignaciones.html

```
1 <!DOCTYPE html>
2 <html lang="es" class="{{ 'dark' if tema == 1 else '' }}">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>UTRAU - Asignaciones</title>
7     <script src="https://cdn.tailwindcss.com"></script>
8     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@6.0.0/css/all.min.css">
9     <script>
10         tailwind.config = { darkMode: 'class', theme: { extend: {} } }
11     </script>
12 </head>
13 <body class="bg-slate-100 dark:bg-slate-950 text-slate-900 dark:text-slate-100 transition-colors duration-300 min-h-screen">
14
15     <nav class="bg-slate-900 border-b border-slate-800 p-4 flex justify-between items-center shadow-md text-white sticky top-0 z-40">
16         <div class="flex items-center space-x-3">
17             <span class="font-black text-amber-500">UTRAU <span class="text-slate-400 font-bold">| ASIGNACIONES</span></span>
18         </div>
19         <a href="{{ url_for('config.panel') }}" class="text-xs font-bold uppercase text-slate-400 hover:text-white transition"><i class="fa-solid
fa-arrow-left mr-2"></i>Volver al Panel</a>
20     </nav>
21
22     <div class="max-w-7xl mx-auto px-6 mt-4">
23         {% with messages = get_flashed_messages(with_categories=true) %}
24             {% if messages %}
25                 {% for category, message in messages %}
26                     {% if category == 'success' %}
27                         <div class="bg-emerald-100 dark:bg-emerald-900/30 border border-emerald-500 text-emerald-700 dark:text-emerald-400 px-4
py-3 rounded-xl flex items-center mb-4 shadow-sm">
28                             <i class="fa-solid fa-circle-check mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
29                         </div>
30                     {% elif category == 'error' %}
31                         <div class="bg-red-100 dark:bg-red-900/30 border border-red-500 text-red-700 dark:text-red-400 px-4 py-3 rounded-xl flex
items-center mb-4 shadow-sm">
32                             <i class="fa-solid fa-triangle-exclamation mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
33                         </div>
```

```
34         {% endif %}
35     {% endfor %}
36 {% endif %}
37 {% endwith %}
38 </div>
39
40 <main class="p-6 max-w-7xl mx-auto grid grid-cols-1 lg:grid-cols-3 gap-6 items-start">
41
42     <div class="lg:col-span-2 bg-white dark:bg-slate-900 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-sm overflow-hidden flex flex-col">
43         <div class="p-6 border-b border-slate-200 dark:border-slate-800 bg-slate-50 dark:bg-slate-900/50 flex justify-between items-center">
44             <div>
45                 <h2 class="text-xl font-black uppercase tracking-tight">Directiva y Ejecutivo</h2>
46                 <p class="text-xs text-slate-500 font-bold mt-1">Vincular compañeros a cargos estatutarios.</p>
47             </div>
48             <button onclick="limpiarFormulario()" class="px-4 py-2 bg-blue-600 hover:bg-blue-700 text-white text-xs font-black uppercase tracking-wider rounded-lg transition shadow-md">
49                 + Asignar Cargo
50             </button>
51         </div>
52
53         <div class="overflow-x-auto">
54             <table class="w-full text-left border-collapse">
55                 <thead>
56                     <tr class="bg-slate-100 dark:bg-slate-800 text-[10px] uppercase tracking-widest text-slate-500 dark:text-slate-400">
57                         <th class="p-4 font-black">Compañero</th>
58                         <th class="p-4 font-black">Cargo Ocupado</th>
59                         <th class="p-4 font-black text-center">Período</th>
60                         <th class="p-4 font-black text-center">Estado</th>
61                         <th class="p-4 font-black text-right">Acción</th>
62                     </tr>
63                 </thead>
64                 <tbody class="text-sm font-medium">
65                     {% for a in lista_asignaciones %}
66                     <tr class="border-b border-slate-100 dark:border-slate-800/50 hover:bg-slate-50 dark:hover:bg-slate-800/30 transition {%
67 if a.fecha_fin %}fila-historica hidden opacity-60 grayscale{% endif %}">
68                         <td class="p-4">
69                             <div class="flex items-center space-x-3">
70                                 {% if a.path_foto %}
```

```

70         
71         {% else %}
72         <div class="w-8 h-8 rounded-full bg-slate-200 dark:bg-slate-800 flex items-center justify-center text-
slate-500 font-black border-2 border-slate-300 dark:border-slate-700 text-xs">
73             {{ a.nombre_completo[0:1] }}
74         </div>
75         {% endif %}
76         <span class="font-bold text-slate-800 dark:text-slate-200">{{ a.nombre_completo }}</span>
77     </div>
78 </td>
79 <td class="p-4">
80     <span class="font-black text-amber-600 dark:text-amber-500">{{ a.nombre_cargo }}</span>
81     {% if a.es_ejecutivo %}
82     <p class="text-[10px] font-bold uppercase tracking-widest text-purple-500">Mesa Ejecutiva</p>
83     {% endif %}
84 </td>
85 <td class="p-4 text-center text-xs text-slate-500 font-bold">
86     {{ a.fecha_inicio }} <br> al <br> {{ a.fecha_fin or 'Actualidad' }}
87 </td>
88 <td class="p-4 text-center">
89     {% if a.fecha_fin == None %}
90     <span class="px-2 py-1 rounded bg-emerald-100 text-emerald-700 text-[10px] font-black
uppercase">Vigente</span>
91     {% else %}
92     <span class="px-2 py-1 rounded bg-slate-200 text-slate-600 text-[10px] font-black uppercase">Histórico</span>
93     {% endif %}
94 </td>
95 <td class="p-4 text-right">
96     <button onclick="editarAsignacion('{{ a.id_asignacion }}', '{{ a.id_usuario }}', '{{ a.id_cargo }}', '{{
a.fecha_inicio }}', '{{ a.fecha_fin or '' }}', '{{ a.version }}')" class="p-2 bg-slate-200 dark:bg-slate-700 hover:bg-blue-500 hover:text-white
text-slate-700 dark:text-white rounded-lg transition" title="Editar">
97         <i class="fa-solid fa-pen"></i>
98     </button>
99 </td>
100 </tr>
101 {% endfor %}
102 </tbody>
103 </table>

```

```

104         </div>
105
106         <div class="p-4 border-t border-slate-200 dark:border-slate-800 bg-slate-50 dark:bg-slate-900/50 text-center">
107             <button id="btnToggleHistorico" onclick="toggleHistorico()" class="text-xs font-black uppercase tracking-wider text-slate-500
108             hover:text-amber-600 dark: hover: text-amber-500 transition px-4 py-2 rounded-lg hover: bg-slate-200 dark: hover: bg-slate-800">
109                 <i class="fa-solid fa-clock-rotate-left mr-2"></i>Ver Historial de Asignaciones
110             </button>
111         </div>
112     </div>
113
114     <div class="bg-white dark: bg-slate-900 rounded-2xl border border-slate-200 dark: border-slate-800 shadow-sm h-fit">
115         <div class="p-6 border-b border-slate-200 dark: border-slate-800 bg-slate-50 dark: bg-slate-900/50">
116             <h2 class="text-lg font-black uppercase tracking-tight" id="titulo_formulario">Nueva Asignación</h2>
117         </div>
118
119         <div class="p-6">
120             <form action="{ { url_for('config.guardar_asignacion') } }" method="POST" class="space-y-4">
121
122                 <input type="hidden" name="id_asignacion" id="form_id_asignacion" value="">
123                 <input type="hidden" name="version" id="form_version" value="1">
124
125                 <div>
126                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Compañero (Padrón)</label>
127                     <select name="id_usuario" id="form_id_usuario" required class="w-full px-4 py-3 rounded-xl border-2 border-slate-200
128                     dark: border-slate-800 bg-transparent focus: border-amber-500 outline-none font-bold text-sm">
129                         <option value="" class="text-black">-- Seleccione Compañero --</option>
130                         {% for u in lista_usuarios %}
131                         <option value="{ { u.id_usuario } }" class="text-black">{ { u.nombre_completo } } (@{ { u.alias } })</option>
132                         {% endfor %}
133                     </select>
134                 </div>
135
136                 <div>
137                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Cargo a Asignar</label>
138                     <select name="id_cargo" id="form_id_cargo" required class="w-full px-4 py-3 rounded-xl border-2 border-slate-200
139                     dark: border-slate-800 bg-transparent focus: border-amber-500 outline-none font-bold text-sm">
140                         <option value="" class="text-black">-- Seleccione Cargo --</option>
141                         {% for c in lista_cargos %}

```

```

139         <option value="{ c.id_cargo }" class="text-black">{{ c.nombre_cargo }} {% if c.es_ejecutivo %}(Ejecutivo){% endif
140     %}</option>
141         {% endfor %}
142     </select>
143 </div>
144     <div class="grid grid-cols-2 gap-4 pt-2">
145         <div>
146             <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Fecha Inicio*</label>
147             <input type="date" name="fecha_inicio" id="form_fecha_inicio" required class="w-full px-3 py-2 rounded-xl border-2
border-slate-200 dark:border-slate-800 bg-transparent focus:border-amber-500 outline-none font-bold text-sm">
148         </div>
149         <div>
150             <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase text-red-500">Fecha Fin (Cese)</label>
151             <input type="date" name="fecha_fin" id="form_fecha_fin" class="w-full px-3 py-2 rounded-xl border-2 border-red-200
dark:border-red-900/50 bg-red-50 dark:bg-red-900/10 focus:border-red-500 outline-none font-bold text-sm text-red-600">
152             <p class="text-[9px] font-bold text-slate-400 mt-1">Llenar solo si finalizó mandato.</p>
153         </div>
154     </div>
155
156     <div class="pt-4 border-t border-slate-100 dark:border-slate-800">
157         <button type="submit" class="w-full bg-amber-600 hover:bg-amber-700 text-white font-black py-4 rounded-xl transition-all
uppercase tracking-wider text-sm shadow-md">
158             Guardar Asignación
159         </button>
160     </div>
161 </form>
162 </div>
163 </div>
164 </main>
165
166 <script>
167     function editarAsignacion(id_asig, id_user, id_cargo, f_ini, f_fin, version) {
168         document.getElementById('titulo_formulario').innerText = "Editar Asignación";
169         document.getElementById('form_id_asignacion').value = id_asig;
170         document.getElementById('form_id_usuario').value = id_user;
171         document.getElementById('form_id_cargo').value = id_cargo;
172         document.getElementById('form_fecha_inicio').value = f_ini;
173         document.getElementById('form_fecha_fin').value = f_fin;

```



```
174     document.getElementById('form_version').value = version;
175     window.scrollTo({ top: 0, behavior: 'smooth' });
176 }
177
178 function limpiarFormulario() {
179     document.getElementById('titulo_formulario').innerText = "Nueva Asignación";
180     document.getElementById('form_id_asignacion').value = "";
181     document.getElementById('form_id_usuario').value = "";
182     document.getElementById('form_id_cargo').value = "";
183     document.getElementById('form_fecha_inicio').value = "";
184     document.getElementById('form_fecha_fin').value = "";
185     document.getElementById('form_version').value = "1";
186 }
187
188 function toggleHistorico() {
189     const filas = document.querySelectorAll('.fila-historica');
190     const btn = document.getElementById('btnToggleHistorico');
191     let mostrando = false;
192
193     filas.forEach(fila => {
194         if (fila.classList.contains('hidden')) {
195             fila.classList.remove('hidden');
196             mostrando = true;
197         } else {
198             fila.classList.add('hidden');
199         }
200     });
201
202     if (mostrando) {
203         btn.innerHTML = '<i class="fa-solid fa-eye-slash mr-2"></i>Ocultar Historial';
204         btn.classList.add('text-amber-600', 'dark:text-amber-500', 'bg-slate-200', 'dark:bg-slate-800');
205     } else {
206         btn.innerHTML = '<i class="fa-solid fa-clock-rotate-left mr-2"></i>Ver Historial de Asignaciones';
207         btn.classList.remove('text-amber-600', 'dark:text-amber-500', 'bg-slate-200', 'dark:bg-slate-800');
208     }
209 }
210 </script>
211 </body>
212 </html>
```

```
1 <!DOCTYPE html>
2 <html lang="es" class="{ { 'dark' if tema == 1 else '' } }">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>UTRAU - Cargos Estatutarios</title>
7     <script src="https://cdn.tailwindcss.com"></script>
8     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@6.0.0/css/all.min.css">
9     <script>
10         tailwind.config = { darkMode: 'class', theme: { extend: {} } }
11     </script>
12 </head>
13 <body class="bg-slate-100 dark:bg-slate-950 text-slate-900 dark:text-slate-100 transition-colors duration-300 min-h-screen">
14
15     <nav class="bg-slate-900 border-b border-slate-800 p-4 flex justify-between items-center shadow-md text-white">
16         <div class="flex items-center space-x-3">
17             <span class="font-black text-purple-500">UTRAU <span class="text-slate-400 font-bold">| CARGOS</span></span></div>
18
19             <a href="{ { url_for('config.panel') } }" class="text-xs font-bold uppercase text-slate-400 hover:text-white transition"><i class="fa-solid
fa-arrow-left mr-2"></i>Volver al Panel</a>
20
21     </nav>
22
23     <div class="max-w-7xl mx-auto px-6 mt-4">
24         {% with messages = get_flashed_messages(with_categories=true) %}
25             {% if messages %}
26                 {% for category, message in messages %}
27                     {% if category == 'success' %}
28                         <div class="bg-emerald-100 dark:bg-emerald-900/30 border border-emerald-500 text-emerald-700 dark:text-emerald-400 px-4
py-3 rounded-xl flex items-center mb-4 shadow-sm">
29                             <i class="fa-solid fa-circle-check mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
30                         </div>
31                     {% elif category == 'error' %}
32                         <div class="bg-red-100 dark:bg-red-900/30 border border-red-500 text-red-700 dark:text-red-400 px-4 py-3 rounded-xl flex
items-center mb-4 shadow-sm">
33                             <i class="fa-solid fa-triangle-exclamation mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
34                         </div>
35                     {% endif %}
36                 {% endfor %}
37             {% endif %}
38         {% endwith %}
39     </div>
```

```

35         {% endfor %}
36     {% endif %}
37 {% endwith %}
38 </div>
39
40 <main class="p-6 max-w-7xl mx-auto grid grid-cols-1 lg:grid-cols-3 gap-6">
41
42     <div class="lg:col-span-2 bg-white dark:bg-slate-900 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-sm overflow-
hidden">
43         <div class="p-6 border-b border-slate-200 dark:border-slate-800 bg-slate-50 dark:bg-slate-900/50 flex justify-between items-center">
44             <div>
45                 <h2 class="text-xl font-black uppercase tracking-tight">Definición Estatutaria</h2>
46                 <p class="text-xs text-slate-500 font-bold mt-1">Estructura organizacional base.</p>
47             </div>
48             <button onclick="limpiarFormulario()" class="px-4 py-2 bg-blue-600 hover:bg-blue-700 text-white text-xs font-black uppercase
tracking-wider rounded-lg transition">
49                 + Nuevo Cargo
50             </button>
51         </div>
52
53         <div class="overflow-x-auto">
54             <table class="w-full text-left border-collapse">
55                 <thead>
56                     <tr class="bg-slate-100 dark:bg-slate-800 text-[10px] uppercase tracking-widest text-slate-500 dark:text-slate-400">
57                         <th class="p-4 font-black w-16 text-center">Nº</th>
58                         <th class="p-4 font-black">Nombre del Cargo</th>
59                         <th class="p-4 font-black text-center">Poder de Decisión</th>
60                         <th class="p-4 font-black text-right">Acción</th>
61                     </tr>
62                 </thead>
63                 <tbody class="text-sm font-medium">
64                     {% for cargo in lista_cargos %}
65                     <tr class="border-b border-slate-100 dark:border-slate-800/50 hover:bg-slate-50 dark:hover:bg-slate-800/30 transition">
66                         <td class="p-4 text-center font-black text-slate-400">{{ cargo.orden }}</td>
67                         <td class="p-4 font-bold text-slate-800 dark:text-slate-200">{{ cargo.nombre_cargo }}</td>
68                         <td class="p-4 text-center">
69                             {% if cargo.es_ejecutivo %}
70                             <span class="px-3 py-1 rounded-full bg-purple-100 text-purple-700 dark:bg-purple-900/30 dark:text-purple-400
text-[10px] font-black uppercase tracking-wider border border-purple-200 dark:border-purple-800">Mesa Ejecutiva</span>

```

```

71         {% else %}
72         <span class="px-3 py-1 rounded-full bg-slate-100 text-slate-600 dark:bg-slate-800 dark:text-slate-400 text-
[10px] font-black uppercase tracking-wider border border-slate-200 dark:border-slate-700">Directiva</span>
73         {% endif %}
74     </td>
75     <td class="p-4 text-right">
76         <button onclick="editarCargo('{{ cargo.id_cargo }}', '{{ cargo.nombre_cargo }}', '{{ cargo.es_ejecutivo }}', '{{
cargo.orden }}', '{{ cargo.version }}')" class="p-2 bg-slate-200 dark:bg-slate-700 hover:bg-blue-500 hover:text-white dark:hover:bg-blue-500
text-slate-700 dark:text-white rounded-lg transition" title="Editar">
77             <i class="fa-solid fa-pen"></i>
78         </button>
79     </td>
80 </tr>
81 {% endfor %}
82 </tbody>
83 </table>
84 </div>
85 </div>
86
87 <div class="bg-white dark:bg-slate-900 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-sm h-fit">
88     <div class="p-6 border-b border-slate-200 dark:border-slate-800 bg-slate-50 dark:bg-slate-900/50">
89         <h2 class="text-lg font-black uppercase tracking-tight" id="titulo_formulario">Nuevo Cargo</h2>
90     </div>
91     <div class="p-6">
92         <form action="{{ url_for('config.guardar_cargo') }}" method="POST" class="space-y-4">
93
94             <input type="hidden" name="id_cargo" id="form_id_cargo" value="">
95             <input type="hidden" name="version" id="form_version" value="1">
96
97             <div>
98                 <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase tracking-wide">Nombre del Cargo</label>
99                 <input type="text" name="nombre_cargo" id="form_nombre_cargo" required
100                     class="w-full px-4 py-3 rounded-xl border-2 border-slate-200 dark:border-slate-800 bg-transparent focus:border-
purple-500 outline-none font-bold transition">
101             </div>
102
103             <div>
104                 <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase tracking-wide">Orden de Aparición (Número)
</label>

```

```

105         <input type="number" name="orden" id="form_orden" value="0" required
106             class="w-full px-4 py-3 rounded-xl border-2 border-slate-200 dark:border-slate-800 bg-transparent focus:border-
purple-500 outline-none font-bold transition">
107     </div>
108
109     <div class="flex items-center space-x-3 pt-2">
110         <input type="checkbox" name="es_ejecutivo" id="form_es_ejecutivo" class="w-5 h-5 rounded accent-purple-500">
111         <label for="form_es_ejecutivo" class="text-sm font-bold text-slate-700 dark:text-slate-300 cursor-pointer">Pertenece a
Mesa Ejecutiva</label>
112     </div>
113
114     <div class="pt-4 border-t border-slate-100 dark:border-slate-800">
115         <button type="submit" class="w-full bg-purple-600 hover:bg-purple-700 text-white font-black py-4 rounded-xl transition-
all uppercase tracking-wider text-sm shadow-md">
116             Guardar Cambios
117         </button>
118     </div>
119 </form>
120 </div>
121 </div>
122 </main>
123
124 <script>
125     function editarCargo(id, nombre, es_ejecutivo, orden, version) {
126         document.getElementById('titulo_formulario').innerText = "Editar Cargo";
127         document.getElementById('form_id_cargo').value = id;
128         document.getElementById('form_nombre_cargo').value = nombre;
129         document.getElementById('form_orden').value = orden;
130         document.getElementById('form_version').value = version;
131         document.getElementById('form_es_ejecutivo').checked = (es_ejecutivo === 'True' || es_ejecutivo === '1');
132         window.scrollTo({ top: 0, behavior: 'smooth' });
133     }
134
135     function limpiarFormulario() {
136         document.getElementById('titulo_formulario').innerText = "Nuevo Cargo";
137         document.getElementById('form_id_cargo').value = "";
138         document.getElementById('form_nombre_cargo').value = "";
139         document.getElementById('form_orden').value = "0";
140         document.getElementById('form_version').value = "1";

```

```
141         document.getElementById('form_es_ejecutivo').checked = false;
142     }
143 </script>
144 </body>
145 </html>
```

templates\config_empresas.html

```
1 <!DOCTYPE html>
2 <html lang="es" class="{ { 'dark' if tema == 1 else '' } }">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no">
6     <title>UTRAU - Empresas y Organismos</title>
7     <script src="https://cdn.tailwindcss.com"></script>
8     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@6.0.0/css/all.min.css">
9     <script>
10         tailwind.config = { darkMode: 'class', theme: { extend: {} } }
11     </script>
12 </head>
13 <body class="bg-slate-100 dark:bg-slate-950 text-slate-900 dark:text-slate-100 transition-colors duration-300 min-h-screen">
14
15     <nav class="bg-slate-900 border-b border-slate-800 p-4 flex justify-between items-center shadow-md text-white sticky top-0 z-40">
16         <div class="flex items-center space-x-3">
17             <span class="font-black text-sky-500">UTRAU <span class="text-slate-400 font-bold hidden sm:inline">| ENTIDADES
INSTITUCIONALES</span></span>
18         </div>
19         <a href="{ { url_for('config.panel') } }" class="text-xs font-bold uppercase text-slate-400 hover:text-white transition"><i class="fa-solid
fa-arrow-left mr-2"></i>Volver</a>
20     </nav>
21
22     <div class="max-w-7xl mx-auto px-6 mt-4">
23         {% with messages = get_flashed_messages(with_categories=true) %}
24         {% if messages %}
25             {% for category, message in messages %}
26                 {% if category == 'success' %}
27                     <div class="bg-emerald-100 dark:bg-emerald-900/30 border border-emerald-500 text-emerald-700 dark:text-emerald-400 px-4
py-3 rounded-xl flex items-center mb-4 shadow-sm">
28                         <i class="fa-solid fa-circle-check mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
29                     </div>
```

```

30         {% elif category == 'error' %}
31         <div class="bg-red-100 dark:bg-red-900/30 border border-red-500 text-red-700 dark:text-red-400 px-4 py-3 rounded-xl flex
items-center mb-4 shadow-sm">
32             <i class="fa-solid fa-triangle-exclamation mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
33         </div>
34         {% endif %}
35     {% endfor %}
36 {% endif %}
37 {% endwith %}
38 </div>
39
40 <main class="p-6 max-w-7xl mx-auto grid grid-cols-1 xl:grid-cols-5 gap-6 items-start">
41
42     <!-- COLUMNA IZQ: LISTADO -->
43     <div id="seccion_lista" class="xl:col-span-2 bg-white dark:bg-slate-900 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-
sm overflow-hidden h-[50vh] xl:h-[85vh] flex flex-col scroll-mt-20">
44         <div class="p-6 border-b border-slate-200 dark:border-slate-800 bg-slate-50 dark:bg-slate-900/50 flex justify-between items-center">
45             <div>
46                 <h2 class="text-xl font-black uppercase tracking-tight">Directorio</h2>
47                 <p class="text-xs text-slate-500 font-bold mt-1">Empresas, MTSS, Sindicatos.</p>
48             </div>
49             <button onclick="limpiarFormulario()" class="px-3 py-2 bg-sky-600 hover:bg-sky-700 text-white text-[10px] font-black uppercase
tracking-wider rounded-lg transition shadow-md">
50                 + Nuevo
51             </button>
52         </div>
53
54         <div class="overflow-y-auto flex-1 p-2">
55             {% for emp in lista_empresas %}
56             <div class="border border-slate-200 dark:border-slate-800 rounded-xl mb-3 p-4 hover:border-sky-500 transition group relative">
57                 <div class="flex justify-between items-start mb-1">
58                     <h4 class="font-black text-slate-800 dark:text-slate-100">{{ emp.nombre_fantasia }}</h4>
59                     <span class="text-[9px] font-black uppercase tracking-widest px-2 py-0.5 rounded bg-slate-200 dark:bg-slate-800 text-
slate-600 dark:text-slate-400">{{ emp.tipo }}</span>
60                 </div>
61                 <p class="text-[10px] font-bold text-slate-500 uppercase tracking-widest">{{ emp.nombre_fiscal }} | RUT: {{ emp.rut or 'N/D'
}}</p>
62                 <p class="text-xs text-slate-600 dark:text-slate-400 mt-2"><i class="fa-solid fa-location-dot mr-1 text-slate-400"></i> {{
emp.localidad or 'S/D' }}, {{ emp.departamento or 'S/D' }}</p>

```

```

63         <!-- Contactos Vinculados -->
64         <div class="mt-3 pt-3 border-t border-slate-100 dark:border-slate-800">
65             <div class="flex justify-between items-center mb-2">
66                 <span class="text-[10px] font-black uppercase tracking-widest text-slate-400">Contactos</span>
67                 <button onclick="abrirModalContacto('{{ emp.id_empresa }}', '{{ emp.nombre_fantasia }}')" class="text-[9px] font-
68 black uppercase bg-emerald-100 hover:bg-emerald-200 text-emerald-700 px-2 py-1 rounded transition">+ Contacto</button>
69             </div>
70
71             {% for c in emp.contactos %}
72             <div class="bg-slate-50 dark:bg-slate-800/50 p-2 rounded mb-1 border border-slate-100 dark:border-slate-800">
73                 <p class="text-xs font-bold text-slate-800 dark:text-slate-200"><i class="fa-solid fa-user-tie text-[10px] mr-1 text-
74 slate-400"></i> {{ c.nombre }} <span class="font-normal text-slate-500">({{ c.cargo or 'Sin Cargo' }})</span></p>
75                 <p class="text-[10px] font-medium text-slate-500 ml-4"><i class="fa-solid fa-phone mr-1"></i> {{ c.celular_whatsapp
76 or '-' }} | <i class="fa-solid fa-envelope mr-1"></i> {{ c.email or '-' }}</p>
77             </div>
78             {% else %}
79             <p class="text-[10px] font-bold text-slate-400 italic">No hay contactos registrados.</p>
80             {% endfor %}
81         </div>
82
83         <!-- Botón de Edición -->
84         <button onclick="editarEmpresa(
85             '{{ emp.id_empresa }}', '{{ emp.nombre_fantasia }}', '{{ emp.nombre_fiscal }}', '{{ emp.rut or '' }}',
86             '{{ emp.direccion or '' }}', '{{ emp.localidad or '' }}', '{{ emp.departamento or '' }}',
87             '{{ emp.mail_oficial or '' }}', '{{ emp.cant_trabajadores }}', '{{ emp.tipo }}', '{{ emp.estado }}'
88         )" class="absolute top-4 right-4 opacity-0 group-hover:opacity-100 p-2 bg-sky-100 hover:bg-sky-500 hover:text-white text-sky-
89 700 rounded-lg transition" title="Editar Expediente">
90             <i class="fa-solid fa-pen"></i>
91         </button>
92     </div>
93     {% endfor %}
94 </div>
95
96 <!-- COLUMNA DER: FORMULARIO ABML -->
97 <div id="seccion_formulario" class="xl:col-span-3 bg-white dark:bg-slate-900 rounded-2xl border border-slate-200 dark:border-slate-800
98 shadow-sm h-fit mb-10 scroll-mt-20">
99     <div class="p-6 border-b border-slate-200 dark:border-slate-800 bg-slate-50 dark:bg-slate-900/50 flex justify-between items-center">

```



```
97         <h2 class="text-lg font-black uppercase tracking-tight" id="titulo_formulario">Nueva Entidad</h2>
98     </div>
99
100     <div class="p-6">
101         <form action="{ { url_for('config.guardar_empresa_crm') } }" method="POST" class="space-y-6">
102             <input type="hidden" name="id_empresa" id="form_id_empresa" value="">
103
104             <div>
105                 <h3 class="text-xs font-black uppercase text-slate-400 border-b border-slate-200 dark:border-slate-800 pb-2 mb-4"><i
class="fa-solid fa-building mr-2"></i>Identidad Institucional</h3>
106                 <div class="grid grid-cols-1 md:grid-cols-2 gap-4">
107                     <div>
108                         <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Nombre Fantasía</label>
109                         <input type="text" name="nombre_fantasia" id="form_nombre_fantasia" required class="w-full px-4 py-2 rounded-xl
border-2 border-slate-200 dark:border-slate-800 bg-transparent focus:border-sky-500 outline-none font-bold text-sm">
110                     </div>
111                     <div>
112                         <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Razón Social (Fiscal)*</label>
113                         <input type="text" name="nombre_fiscal" id="form_nombre_fiscal" required class="w-full px-4 py-2 rounded-xl
border-2 border-slate-200 dark:border-slate-800 bg-transparent focus:border-sky-500 outline-none font-bold text-sm">
114                     </div>
115                     <div>
116                         <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">RUT</label>
117                         <input type="text" name="rut" id="form_rut" class="w-full px-4 py-2 rounded-xl border-2 border-slate-200
dark:border-slate-800 bg-transparent focus:border-sky-500 outline-none font-bold text-sm">
118                     </div>
119                     <div>
120                         <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Tipo de Entidad*</label>
121                         <select name="tipo" id="form_tipo" class="w-full px-4 py-2.5 rounded-xl border-2 border-slate-200 dark:border-
slate-800 bg-transparent focus:border-sky-500 outline-none font-bold text-sm">
122                             <option value="Empresa" class="text-black">Empresa Privada</option>
123                             <option value="MTSS/IGTSS" class="text-black">MTSS / IGTSS</option>
124                             <option value="Sindicato" class="text-black">Sindicato / PIT-CNT</option>
125                             <option value="Judicial" class="text-black">Juzgado / Sede Judicial</option>
126                             <option value="Otro" class="text-black">Otro Organismo</option>
127                         </select>
128                     </div>
129                 </div>
130             </div>
```

```

131         <div>
132             <h3 class="text-xs font-black uppercase text-slate-400 border-b border-slate-200 dark:border-slate-800 pb-2 mb-4"><i
133 class="fa-solid fa-map-location-dot mr-2"></i>Ubicación y Operativa</h3>
134             <div class="grid grid-cols-1 md:grid-cols-3 gap-4">
135                 <div class="md:col-span-3">
136                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Dirección Física</label>
137                     <input type="text" name="direccion" id="form_direccion" class="w-full px-4 py-2 rounded-xl border-2 border-slate-
200 dark:border-slate-800 bg-transparent focus:border-sky-500 outline-none font-bold text-sm">
138                 </div>
139                 <div>
140                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Localidad</label>
141                     <input type="text" name="localidad" id="form_localidad" class="w-full px-4 py-2 rounded-xl border-2 border-slate-
200 dark:border-slate-800 bg-transparent focus:border-sky-500 outline-none font-bold text-sm">
142                 </div>
143                 <div>
144                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Departamento</label>
145                     <input type="text" name="departamento" id="form_departamento" class="w-full px-4 py-2 rounded-xl border-2 border-
slate-200 dark:border-slate-800 bg-transparent focus:border-sky-500 outline-none font-bold text-sm">
146                 </div>
147                 <div>
148                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Email Institucional</label>
149                     <input type="email" name="mail_oficial" id="form_mail_oficial" class="w-full px-4 py-2 rounded-xl border-2
border-slate-200 dark:border-slate-800 bg-transparent focus:border-sky-500 outline-none font-bold text-sm">
150                 </div>
151             </div>
152         </div>
153
154         <div class="pt-4 border-t border-slate-100 dark:border-slate-800 flex justify-between items-center space-x-4">
155             <div class="flex-1 grid grid-cols-2 gap-4">
156                 <div>
157                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Trabajadores (Fuerza)</label>
158                     <input type="number" name="cant_trabajadores" id="form_cant_trabajadores" value="0" class="w-full px-4 py-3
rounded-xl border-2 border-slate-200 dark:border-slate-800 bg-transparent focus:border-sky-500 outline-none font-black text-sm">
159                     <p class="text-[9px] font-bold text-slate-400 mt-1">Dejar 0 para MTSS/Juzgados.</p>
160                 </div>
161                 <div>
162                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Estado Registral</label>

```

```
163         <select name="estado" id="form_estado" class="w-full px-4 py-3 rounded-xl border-2 border-slate-200 dark:border-
slate-800 bg-slate-100 dark:bg-slate-900 focus:border-sky-500 font-black text-sm">
164             <option value="Activa" class="text-black">Activa (Operativa)</option>
165             <option value="En Conflicto" class="text-amber-600 font-bold">En Conflicto</option>
166             <option value="Archivada" class="text-slate-400">Archivada (Cerrada)</option>
167         </select>
168     </div>
169 </div>
170 </div>
171
172     <button type="submit" class="w-full bg-sky-600 hover:bg-sky-700 text-white font-black py-4 rounded-xl transition-all
uppercase tracking-wider text-sm shadow-md mt-4">
173         <i class="fa-solid fa-save mr-2"></i>Guardar Expediente
174     </button>
175 </form>
176 </div>
177 </div>
178 </main>
179
180 <!-- MODAL: AGREGAR CONTACTO -->
181 <div id="modalContacto" class="fixed inset-0 bg-slate-900/60 z-50 hidden flex items-center justify-center backdrop-blur-sm p-4">
182     <div class="bg-white dark:bg-slate-900 p-6 rounded-3xl shadow-2xl w-full max-w-sm border border-slate-200 dark:border-slate-800">
183         <div class="flex justify-between items-center mb-4 border-b border-slate-100 dark:border-slate-800 pb-2">
184             <h3 class="text-lg font-black uppercase tracking-tight text-emerald-600"><i class="fa-solid fa-address-book mr-2"></i>Nuevo
Contacto</h3>
185             <button type="button" onclick="cerrarModalContacto()" class="text-slate-400 hover:text-red-500"><i class="fa-solid fa-xmark text-
xl"></i></button>
186         </div>
187
188         <p class="text-xs font-bold text-slate-500 mb-4 uppercase tracking-widest">Para: <span id="lbl_empresa_contacto" class="text-slate-
800 dark:text-slate-200 font-black"></span></p>
189
190         <form action="{{ url_for('config.guardar_contacto') }}" method="POST" class="space-y-4">
191             <input type="hidden" name="id_empresa_contacto" id="form_id_empresa_contacto">
192
193             <div>
194                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Nombre Completo*</label>
195                 <input type="text" name="nombre_contacto" required class="w-full px-4 py-2 border-2 rounded-xl dark:bg-slate-800 dark:border-
slate-700 outline-none focus:border-emerald-500 font-bold text-sm">
```

```

196         </div>
197         <div>
198             <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Cargo / Puesto (Ej: Jefa RRHH)</label>
199             <input type="text" name="cargo_contacto" class="w-full px-4 py-2 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-700
outline-none focus:border-emerald-500 font-bold text-sm">
200         </div>
201         <div>
202             <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Celular / Teléfono Directo</label>
203             <input type="text" name="celular_contacto" class="w-full px-4 py-2 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-
700 outline-none focus:border-emerald-500 font-bold text-sm">
204         </div>
205         <div>
206             <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Email</label>
207             <input type="email" name="email_contacto" class="w-full px-4 py-2 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-700
outline-none focus:border-emerald-500 font-bold text-sm">
208         </div>
209
210         <button type="submit" class="w-full bg-emerald-600 hover:bg-emerald-700 text-white font-black py-3 rounded-xl mt-4 transition
uppercase tracking-wider text-sm">Guardar Contacto</button>
211     </form>
212 </div>
213 </div>
214
215 <script>
216     function editarEmpresa(id, fantasia, fiscal, rut, dir, loc, dep, mail, cant, tipo, estado) {
217         document.getElementById('titulo_formulario').innerText = "Editando: " + fantasia;
218         document.getElementById('form_id_empresa').value = id;
219         document.getElementById('form_nombre_fantasia').value = fantasia;
220         document.getElementById('form_nombre_fiscal').value = fiscal;
221         document.getElementById('form_rut').value = rut;
222         document.getElementById('form_direccion').value = dir;
223         document.getElementById('form_localidad').value = loc;
224         document.getElementById('form_departamento').value = dep;
225         document.getElementById('form_mail_oficial').value = mail;
226         document.getElementById('form_cant_trabajadores').value = cant;
227         document.getElementById('form_tipo').value = tipo;
228         document.getElementById('form_estado').value = estado;
229
230         document.getElementById('seccion_formulario').scrollIntoView({ behavior: 'smooth', block: 'start' });

```

```

231     }
232
233     function limpiarFormulario() {
234         document.getElementById('titulo_formulario').innerText = "Nueva Entidad";
235         document.getElementById('form_id_empresa').value = "";
236         document.getElementById('form_nombre_fantasia').value = "";
237         document.getElementById('form_nombre_fiscal').value = "";
238         document.getElementById('form_rut').value = "";
239         document.getElementById('form_direccion').value = "";
240         document.getElementById('form_localidad').value = "";
241         document.getElementById('form_departamento').value = "";
242         document.getElementById('form_mail_oficial').value = "";
243         document.getElementById('form_cant_trabajadores').value = "0";
244         document.getElementById('form_tipo').value = "Empresa";
245         document.getElementById('form_estado').value = "Activa";
246
247         document.getElementById('seccion_formulario').scrollIntoView({ behavior: 'smooth', block: 'start' });
248     }
249
250     function abrirModalContacto(id_empresa, nombre_fantasia) {
251         document.getElementById('form_id_empresa_contacto').value = id_empresa;
252         document.getElementById('lbl_empresa_contacto').innerText = nombre_fantasia;
253         document.getElementById('modalContacto').classList.remove('hidden');
254         document.getElementById('modalContacto').classList.add('flex');
255     }
256
257     function cerrarModalContacto() {
258         document.getElementById('modalContacto').classList.add('hidden');
259         document.getElementById('modalContacto').classList.remove('flex');
260     }
261 </script>
262 </body>
263 </html>

```

templates\config_panel.html

```

1 <!DOCTYPE html>
2 <html lang="es" class="{ 'dark' if tema == 1 else '' }">
3 <head>

```



```
38         <div class="bg-yellow-100 dark:bg-yellow-900/30 border border-yellow-500 text-yellow-700 dark:text-yellow-400 px-4 py-3
rounded-xl flex items-center mb-4 shadow-sm animate-fade-in-down">
39             <i class="fa-solid fa-circle-exclamation mr-3 text-lg"></i><span class="text-sm font-bold tracking-wide">{{ message }}
</span>
40         </div>
41     {% endif %}
42 {% endfor %}
43 {% endif %}
44 {% endwith %}
45 </div>
46
47 <main class="p-6 max-w-6xl mx-auto">
48     <h1 class="text-3xl font-black mb-2 uppercase tracking-tight">Centro de Configuración</h1>
49     <p class="text-sm text-slate-500 dark:text-slate-400 mb-8 font-bold uppercase tracking-widest">Acceso exclusivo: Ejecutivo y
Administración</p>
50
51     <div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 xl:grid-cols-5 gap-6">
52
53         <a href="{{ url_for('config.terminales') }}" class="bg-white dark:bg-slate-900 p-8 rounded-2xl border border-slate-200 dark:border-
slate-800 shadow-sm hover:border-blue-500 transition group flex flex-col items-center text-center cursor-pointer">
54             <i class="fa-solid fa-mobile-screen text-4xl mb-4 text-blue-500 group-hover:scale-110 transition"></i>
55             <h3 class="text-lg font-black uppercase tracking-wide mb-1">Terminales</h3>
56             <p class="text-[10px] text-slate-500 font-bold uppercase">Aprobar dispositivos</p>
57         </a>
58
59         <a href="{{ url_for('config.usuarios') }}" class="bg-white dark:bg-slate-900 p-8 rounded-2xl border border-slate-200 dark:border-
slate-800 shadow-sm hover:border-emerald-500 transition group flex flex-col items-center text-center cursor-pointer">
60             <i class="fa-solid fa-users text-4xl mb-4 text-emerald-500 group-hover:scale-110 transition"></i>
61             <h3 class="text-lg font-black uppercase tracking-wide mb-1">Compañeros</h3>
62             <p class="text-[10px] text-slate-500 font-bold uppercase">Gestión de Usuarios</p>
63         </a>
64
65         <a href="{{ url_for('config.cargos') }}" class="bg-white dark:bg-slate-900 p-8 rounded-2xl border border-slate-200 dark:border-slate-
800 shadow-sm hover:border-purple-500 transition group flex flex-col items-center text-center cursor-pointer">
66             <i class="fa-solid fa-sitemap text-4xl mb-4 text-purple-500 group-hover:scale-110 transition"></i>
67             <h3 class="text-lg font-black uppercase tracking-wide mb-1">Cargos</h3>
68             <p class="text-[10px] text-slate-500 font-bold uppercase">Definición Estatutaria</p>
69         </a>
70     </div>
```

```

71         <a href="{{ url_for('config.asignaciones') }}" class="bg-white dark:bg-slate-900 p-8 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-sm hover:border-amber-500 transition group flex flex-col items-center text-center cursor-pointer">
72             <i class="fa-solid fa-id-card-clip text-4xl mb-4 text-amber-500 group-hover:scale-110 transition"></i>
73             <h3 class="text-lg font-black uppercase tracking-wide mb-1">Asignaciones</h3>
74             <p class="text-[10px] text-slate-500 font-bold uppercase">Directiva y Ejecutivo</p>
75         </a>
76
77         <!-- NUEVO MÓDULO: EMPRESAS Y ORGANISMOS -->
78         <a href="{{ url_for('config.empresas') }}" class="bg-white dark:bg-slate-900 p-8 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-sm hover:border-sky-500 transition group flex flex-col items-center text-center cursor-pointer">
79             <i class="fa-solid fa-building-user text-4xl mb-4 text-sky-500 group-hover:scale-110 transition"></i>
80             <h3 class="text-lg font-black uppercase tracking-wide mb-1">Entidades</h3>
81             <p class="text-[10px] text-slate-500 font-bold uppercase">Empresas y MTSS</p>
82         </a>
83
84     </div>
85 </main>
86 </body>
87 </html>

```

templates\config_terminales.html

```

1 <!DOCTYPE html>
2 <html lang="es" class="{ 'dark' if tema == 1 else ' ' }">
3 <head>
4     <meta charset="UTF-8">
5     <title>UTRAU - Control de Terminales</title>
6     <script src="https://cdn.tailwindcss.com"></script>
7     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
8 </head>
9 <body class="bg-slate-100 dark:bg-slate-950 text-slate-900 dark:text-slate-100 min-h-screen">
10
11     <nav class="bg-slate-900 p-4 flex justify-between items-center text-white">
12         <span class="font-black text-blue-500">UTRAU <span class="text-slate-400">| TERMINALES</span></span>
13         <a href="{{ url_for('config.panel') }}" class="text-xs font-bold uppercase hover:text-blue-400"><i class="fa-solid fa-arrow-left mr-2">
</i>Volver</a>
14     </nav>
15
16     <main class="p-6 max-w-5xl mx-auto">
17         <h2 class="text-xl font-black uppercase mb-6">Autorización de Dispositivos</h2>

```



```

18 <div class="bg-white dark:bg-slate-900 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-sm overflow-hidden">
19   <table class="w-full text-left">
20     <tr class="bg-slate-100 dark:bg-slate-800 text-[10px] uppercase text-slate-500">
21       <th class="p-4">Equipo / UUID</th>
22       <th class="p-4">Usuario</th>
23       <th class="p-4 text-center">Estado</th>
24       <th class="p-4 text-right">Acción</th>
25     </tr>
26     {% for t in terminales %}
27     <tr class="border-b dark:border-slate-800">
28       <td class="p-4 text-xs font-mono">{{ t.uuid_terminal[:15] }}...</td>
29       <td class="p-4">
30         <div class="flex items-center space-x-3">
31           {% if t.path_foto %}
32             
34             {% elif t.alias %}
35               <div class="w-8 h-8 rounded-full bg-slate-200 dark:bg-slate-800 flex items-center justify-center text-slate-500
36 font-black border-2 border-slate-300 dark:border-slate-700 text-xs">
37                 {{ t.nombre_completo[0:1] }}
38               </div>
39             {% else %}
40               <div class="w-8 h-8 rounded-full bg-slate-200 dark:bg-slate-800 flex items-center justify-center text-slate-400
41 border-2 border-slate-300 dark:border-slate-700">
42                 <i class="fa-solid fa-desktop"></i>
43               </div>
44             {% endif %}
45             <span class="font-bold">{{ t.alias or 'Sin asignar' }}</span>
46           </div>
47         </td>
48         <td class="p-4 text-center">
49           <span class="px-2 py-1 rounded text-[10px] font-black uppercase
50             {% if t.estado == 'CONECTADO' %}bg-emerald-100 text-emerald-700
51             {% elif t.estado == 'PENDIENTE' %}bg-yellow-100 text-yellow-700
52             {% else %}bg-red-100 text-red-700{% endif %}">
53             {{ t.estado }}
54           </span>
55         </td>

```

```

54         <td class="p-4 text-right space-x-2">
55             {% if t.estado != 'CONECTADO' %}
56             <a href="{{ url_for('config.accion_terminal', uuid=t.uuid_terminal, accion='autorizar') }}" class="text-emerald-500
hover:text-emerald-400"><i class="fa-solid fa-check"></i></a>
57             {% endif %}
58             {% if t.estado == 'CONECTADO' %}
59             <a href="{{ url_for('config.accion_terminal', uuid=t.uuid_terminal, accion='bloquear') }}" class="text-yellow-500
hover:text-yellow-400"><i class="fa-solid fa-lock"></i></a>
60             {% endif %}
61             <a href="{{ url_for('config.accion_terminal', uuid=t.uuid_terminal, accion='eliminar') }}" class="text-red-500 hover:text-
red-400"><i class="fa-solid fa-trash"></i></a>
62         </td>
63     </tr>
64     {% endfor %}
65 </table>
66 </div>
67 </main>
68 </body>
69 </html>

```

templates\config_usuarios.html

```

1 <!DOCTYPE html>
2 <html lang="es" class="{{ 'dark' if tema == 1 else '' }}">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no">
6     <title>UTRAU - Legajo de Compañeros</title>
7     <script src="https://cdn.tailwindcss.com"></script>
8     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@6.0.0/css/all.min.css">
9     <script>
10         tailwind.config = { darkMode: 'class', theme: { extend: {} } }
11     </script>
12 </head>
13 <body class="bg-slate-100 dark:bg-slate-950 text-slate-900 dark:text-slate-100 transition-colors duration-300 min-h-screen">
14
15     <nav class="bg-slate-900 border-b border-slate-800 p-4 flex justify-between items-center shadow-md text-white sticky top-0 z-40">
16         <div class="flex items-center space-x-3">
17             <span class="font-black text-emerald-500">UTRAU <span class="text-slate-400 font-bold">| LEGAJOS</span></span></div>
18

```

```

19     <a href="{ url_for('config.panel') }}" class="text-xs font-bold uppercase text-slate-400 hover:text-white transition"><i class="fa-solid
fa-arrow-left mr-2"></i>Volver</a>
20 </nav>
21
22 <div class="max-w-7xl mx-auto px-6 mt-4">
23     {% with messages = get_flashed_messages(with_categories=true) %}
24         {% if messages %}
25             {% for category, message in messages %}
26                 {% if category == 'success' %}
27                     <div class="bg-emerald-100 dark:bg-emerald-900/30 border border-emerald-500 text-emerald-700 dark:text-emerald-400 px-4
py-3 rounded-xl flex items-center mb-4 shadow-sm">
28                         <i class="fa-solid fa-circle-check mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
29                     </div>
30                 {% elif category == 'error' %}
31                     <div class="bg-red-100 dark:bg-red-900/30 border border-red-500 text-red-700 dark:text-red-400 px-4 py-3 rounded-xl flex
items-center mb-4 shadow-sm">
32                         <i class="fa-solid fa-triangle-exclamation mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
33                     </div>
34                 {% endif %}
35             {% endfor %}
36         {% endif %}
37     {% endwith %}
38 </div>
39
40 <main class="p-6 max-w-7xl mx-auto grid grid-cols-1 xl:grid-cols-5 gap-6 items-start">
41
42     <div id="seccion_lista" class="xl:col-span-2 bg-white dark:bg-slate-900 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-
sm overflow-hidden h-[50vh] xl:h-[85vh] flex flex-col scroll-mt-20">
43         <div class="p-6 border-b border-slate-200 dark:border-slate-800 bg-slate-50 dark:bg-slate-900/50 flex justify-between items-center">
44             <div>
45                 <h2 class="text-xl font-black uppercase tracking-tight">Padrón</h2>
46                 <p class="text-xs text-slate-500 font-bold mt-1">Directorio UTRAU.</p>
47             </div>
48             <button onclick="limpiarFormulario()" class="px-3 py-2 bg-blue-600 hover:bg-blue-700 text-white text-[10px] font-black uppercase
tracking-wider rounded-lg transition shadow-md">
49                 + Nuevo
50             </button>
51         </div>
52

```

```

53     <div class="overflow-y-auto flex-1">
54         <table class="w-full text-left border-collapse">
55             <tbody class="text-sm font-medium">
56                 {% for u in lista_usuarios %}
57                 <tr class="border-b border-slate-100 dark:border-slate-800/50 hover:bg-slate-50 dark:hover:bg-slate-800/30 transition">
58                     <td class="p-4">
59                         <div class="flex items-center space-x-3">
60                             {% if u.path_foto %}
61                             
62                             {% else %}
63                             <div class="w-12 h-12 rounded-full bg-slate-200 dark:bg-slate-800 flex items-center justify-center text-
slate-500 font-black border-2 border-slate-300 dark:border-slate-700">
64                                 {{ u.nombre_completo[0:1] }}
65                             </div>
66                             {% endif %}
67                             <div>
68                                 <p class="font-black text-slate-800 dark:text-slate-200 text-sm leading-tight">{{ u.nombre_completo }}
</p>
69                                 <p class="text-[10px] text-slate-500 font-bold uppercase tracking-wide">
70                                     @{{ u.alias }} |
71                                     {% if u.estado == 'ACTIVO' %}<span class="text-emerald-500">ACTIVO</span>{% else %}<span class="text-
red-500">BAJA</span>{% endif %}
72                                 </p>
73
74                                 <div class="flex space-x-1 mt-1.5">
75                                     {% if u.path_foto %}
76                                     <a href="{{ u.path_foto }}" target="_blank" title="Ver Foto"></a>
77                                     {% else %}
78                                     <div class="w-6 h-6 rounded bg-red-50 dark:bg-red-900/20 border border-dashed border-red-300
dark:border-red-800/50 flex items-center justify-center text-red-400" title="Falta Foto"><i class="fa-solid fa-camera text-[9px]"></i></div>
79                                     {% endif %}
80
81                                     {% if u.path_firma %}
82                                     <a href="{{ u.path_firma }}" target="_blank" title="Ver Firma"></a>
83                                     {% else %}

```

```

84         <div class="w-6 h-6 rounded bg-red-50 dark:bg-red-900/20 border border-dashed border-red-300
dark:border-red-800/50 flex items-center justify-center text-red-400" title="Falta Firma"><i class="fa-solid fa-signature text-[9px]"></i></div>
85         {% endif %}
86
87         {% if u.path_cedula_frente %}
88         <a href="{{ u.path_cedula_frente }}" target="_blank" title="Ver CI Frente"></a>
89         {% else %}
90         <div class="w-6 h-6 rounded bg-red-50 dark:bg-red-900/20 border border-dashed border-red-300
dark:border-red-800/50 flex items-center justify-center text-red-400" title="Falta C.I. Frente"><i class="fa-solid fa-id-card text-[9px]"></i>
</div>
91         {% endif %}
92
93         {% if u.path_cedula_atras %}
94         <a href="{{ u.path_cedula_atras }}" target="_blank" title="Ver CI Atrás"></a>
95         {% else %}
96         <div class="w-6 h-6 rounded bg-red-50 dark:bg-red-900/20 border border-dashed border-red-300
dark:border-red-800/50 flex items-center justify-center text-red-400" title="Falta C.I. Atrás"><i class="fa-solid fa-id-card text-[9px]"></i>
</div>
97         {% endif %}
98     </div>
99 </div>
100 </div>
101 </td>
102 <td class="p-4 text-right">
103     <button onclick="editarLegajo(
104         '{{ u.id_usuario }}', '{{ u.alias }}', '{{ u.nombre_completo }}', '{{ u.rol }}', '{{ u.estado }}', '{{
u.version }}',
105         '{{ u.tipo_documento }}', '{{ u.cedula_identidad or '' }}', '{{ u.fecha_nacimiento or '' }}',
106         '{{ u.whatsapp or '' }}', '{{ u.celular or '' }}', '{{ u.email or '' }}',
107         '{{ u.fecha_ingreso or '' }}', '{{ u.id_sector or '' }}', '{{ u.id_empresa or '' }}', '{{ u.tipo_contrato }}'
108     )" class="p-2.5 bg-slate-200 dark:bg-slate-700 hover:bg-blue-500 hover:text-white text-slate-700 dark:text-white
rounded-lg transition" title="Editar Legajo">
109         <i class="fa-solid fa-pen"></i>
110     </button>
111 </td>
112 </tr>

```

```

113         {% endfor %}
114     </tbody>
115 </table>
116 </div>
117 </div>
118
119 <div id="seccion_formulario" class="xl:col-span-3 bg-white dark:bg-slate-900 rounded-2xl border border-slate-200 dark:border-slate-800
shadow-sm h-fit mb-10 scroll-mt-20">
120     <div class="p-6 border-b border-slate-200 dark:border-slate-800 bg-slate-50 dark:bg-slate-900/50 flex justify-between items-center">
121         <h2 class="text-lg font-black uppercase tracking-tight" id="titulo_formulario">Alta de Legajo Digital</h2>
122         <button type="button" onclick="document.getElementById('seccion_lista').scrollIntoView({ behavior: 'smooth', block: 'start' });"
class="xl:hidden text-xs font-bold text-slate-500 uppercase flex items-center hover:text-blue-500 transition">
123             <i class="fa-solid fa-arrow-up mr-1"></i> Lista
124         </button>
125     </div>
126
127     <div class="p-6">
128         <form action="{ { url_for('config.guardar_usuario') } }" method="POST" enctype="multipart/form-data" class="space-y-6">
129
130             <input type="hidden" name="id_usuario" id="form_id_usuario" value="">
131             <input type="hidden" name="version" id="form_version" value="1">
132
133             <div>
134                 <h3 class="text-xs font-black uppercase text-slate-400 border-b border-slate-200 dark:border-slate-800 pb-2 mb-4"><i
class="fa-solid fa-fingerprint mr-2"></i>Acceso e Identidad</h3>
135                 <div class="grid grid-cols-1 md:grid-cols-2 gap-4">
136                     <div>
137                         <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Alias (Usuario)*</label>
138                         <input type="text" name="alias" id="form_alias" required class="w-full px-4 py-2 rounded-xl border-2 border-
slate-200 dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-sm">
139                     </div>
140                     <div>
141                         <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">PIN de Acceso / Firma*</label>
142                         <input type="password" name="pin_firma" id="form_pin_firma" placeholder="Dejar blanco para no cambiar" class="w-
full px-4 py-2 rounded-xl border-2 border-slate-200 dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-
sm">
143                     </div>
144                     <div class="md:col-span-2">
145                         <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Nombre Completo*</label>

```

```
146         <input type="text" name="nombre_completo" id="form_nombre_completo" required class="w-full px-4 py-2 rounded-xl
border-2 border-slate-200 dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-sm">
147     </div>
148     <div>
149         <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Documento</label>
150         <div class="flex space-x-2">
151             <select name="tipo_documento" id="form_tipo_documento" onchange="toggleDocumento()" class="w-1/3 px-2 py-2
rounded-xl border-2 border-slate-200 dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-sm">
152                 <option value="CI" class="text-black">C.I.</option>
153                 <option value="PASAPORTE" class="text-black">Pasaporte</option>
154                 <option value="OTROS" class="text-black">Otro</option>
155             </select>
156             <input type="text" name="cedula_identidad" id="form_cedula_identidad" placeholder="Sin puntos ni guiones"
class="w-2/3 px-4 py-2 rounded-xl border-2 border-slate-200 dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold
text-sm">
157         </div>
158     </div>
159     <div>
160         <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Fecha Nacimiento</label>
161         <input type="date" name="fecha_nacimiento" id="form_fecha_nacimiento" class="w-full px-4 py-2 rounded-xl border-2
border-slate-200 dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-sm">
162     </div>
163 </div>
164 </div>
165
166 <div>
167     <h3 class="text-xs font-black uppercase text-slate-400 border-b border-slate-200 dark:border-slate-800 pb-2 mb-4"><i
class="fa-solid fa-briefcase mr-2"></i>Contacto y Laboral</h3>
168     <div class="grid grid-cols-1 md:grid-cols-3 gap-4">
169         <div>
170             <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Celular / WhatsApp</label>
171             <input type="text" name="whatsapp" id="form_whatsapp" class="w-full px-4 py-2 rounded-xl border-2 border-slate-
200 dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-sm">
172         </div>
173         <div class="md:col-span-2">
174             <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Email</label>
175             <input type="email" name="email" id="form_email" class="w-full px-4 py-2 rounded-xl border-2 border-slate-200
dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-sm">
176         </div>
```

```
177
178         <div>
179             <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Sector (Rama)</label>
180             <div class="flex space-x-2">
181                 <select name="id_sector" id="form_id_sector" class="flex-1 px-3 py-2 rounded-xl border-2 border-slate-200
dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-sm">
182                     <option value="" class="text-black">-- Seleccione --</option>
183                     {% for s in lista_sectores %}
184                     <option value="{{ s.id_sector }}" class="text-black">{{ s.codigo }} - {{ s.nombre }}</option>
185                     {% endfor %}
186                 </select>
187                 <button type="button" onclick="document.getElementById('modalSector').classList.remove('hidden')" class="bg-
blue-600 hover:bg-blue-700 text-white px-3 py-2 rounded-xl font-black transition"><i class="fa-solid fa-plus"></i></button>
188             </div>
189         </div>
190
191         <div>
192             <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Empresa / Organismo</label>
193             <div class="flex space-x-2">
194                 <select name="id_empresa" id="form_id_empresa" class="flex-1 px-3 py-2 rounded-xl border-2 border-slate-200
dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-sm">
195                     <option value="" class="text-black">-- Seleccione --</option>
196                     {% for e in lista_empresas %}
197                     <option value="{{ e.id_empresa }}" class="text-black">{{ e.nombre_fantasia }}</option>
198                     {% endfor %}
199                 </select>
200             </div>
201         </div>
202
203         <div>
204             <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Contrato</label>
205             <select name="tipo_contrato" id="form_tipo_contrato" class="w-full px-4 py-2 rounded-xl border-2 border-slate-200
dark:border-slate-800 bg-transparent focus:border-emerald-500 outline-none font-bold text-sm">
206                 <option value="MENSUAL" class="text-black">Mensual</option>
207                 <option value="JORNALERO" class="text-black">Jornalero</option>
208                 <option value="ZAFRAL" class="text-black">Zafral</option>
209                 <option value="OTROS" class="text-black">Otros</option>
210             </select>
211         </div>
```



```
212         </div>
213     </div>
214
215     <div>
216         <h3 class="text-xs font-black uppercase text-slate-400 border-b border-slate-200 dark:border-slate-800 pb-2 mb-4"><i
class="fa-solid fa-camera mr-2"></i>Digitalización (Opcional)</h3>
217         <div class="grid grid-cols-1 md:grid-cols-2 gap-4">
218             <div class="p-3 border-2 border-dashed border-slate-300 dark:border-slate-700 rounded-xl bg-slate-50 dark:bg-slate-
800/50">
219                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase text-center"><i class="fa-solid fa-user
mr-1"></i>Foto de Perfil</label>
220                 <input type="file" name="foto" accept="image/*" class="w-full text-xs text-slate-500 file:mr-4 file:py-2 file:px-
4 file:rounded-full file:border-0 file:text-xs file:font-black file:bg-blue-100 file:text-blue-700 hover:file:bg-blue-200 dark:file:bg-blue-
900/50 dark:file:text-blue-400">
221             </div>
222             <div class="p-3 border-2 border-dashed border-slate-300 dark:border-slate-700 rounded-xl bg-slate-50 dark:bg-slate-
800/50">
223                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase text-center"><i class="fa-solid fa-
signature mr-1"></i>Foto Firma</label>
224                 <input type="file" name="firma" accept="image/*" class="w-full text-xs text-slate-500 file:mr-4 file:py-2
file:px-4 file:rounded-full file:border-0 file:text-xs file:font-black file:bg-emerald-100 file:text-emerald-700 hover:file:bg-emerald-200
dark:file:bg-emerald-900/50 dark:file:text-emerald-400">
225             </div>
226             <div class="p-3 border-2 border-dashed border-slate-300 dark:border-slate-700 rounded-xl bg-slate-50 dark:bg-slate-
800/50">
227                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase text-center"><i class="fa-solid fa-id-
card mr-1"></i>C.I. Frente</label>
228                 <input type="file" name="cedula_frente" accept="image/*" class="w-full text-xs text-slate-500 file:mr-4 file:py-2
file:px-4 file:rounded-full file:border-0 file:text-xs file:font-black file:bg-slate-200 file:text-slate-700 hover:file:bg-slate-300
dark:file:bg-slate-700 dark:file:text-slate-300">
229             </div>
230             <div class="p-3 border-2 border-dashed border-slate-300 dark:border-slate-700 rounded-xl bg-slate-50 dark:bg-slate-
800/50">
231                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase text-center"><i class="fa-solid fa-id-
card mr-1"></i>C.I. Atrás</label>
232                 <input type="file" name="cedula_atras" accept="image/*" class="w-full text-xs text-slate-500 file:mr-4 file:py-2
file:px-4 file:rounded-full file:border-0 file:text-xs file:font-black file:bg-slate-200 file:text-slate-700 hover:file:bg-slate-300
dark:file:bg-slate-700 dark:file:text-slate-300">
233             </div>
234         </div>
```

```

235         </div>
236
237         <div class="pt-4 border-t border-slate-100 dark:border-slate-800 flex justify-between items-center space-x-4">
238             <div class="flex-1 grid grid-cols-2 gap-4">
239                 <div>
240                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Rol Actual (Lectura)</label>
241                     <select id="form_rol" disabled class="w-full px-4 py-3 rounded-xl border-2 border-slate-200 dark:border-slate-800
bg-slate-200 dark:bg-slate-800/50 text-slate-500 font-black text-sm opacity-70 cursor-not-allowed">
242                         <option value="1">1 - Afiliado Base</option>
243                         <option value="2">2 - Directiva</option>
244                         <option value="3">3 - Ejecutivo</option>
245                     </select>
246                     <p class="text-[9px] font-bold text-slate-400 mt-1">El rol se actualiza desde Asignaciones.</p>
247                 </div>
248                 <div>
249                     <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase">Estado en Padrón</label>
250                     <select name="estado" id="form_estado" class="w-full px-4 py-3 rounded-xl border-2 border-slate-200 dark:border-
slate-800 bg-slate-100 dark:bg-slate-900 focus:border-emerald-500 font-black text-sm text-emerald-600">
251                         <option value="ACTIVO" class="text-black">ACTIVO</option>
252                         <option value="INACTIVO" class="text-red-600">INACTIVO (Baja)</option>
253                     </select>
254                 </div>
255             </div>
256         </div>
257
258         <button type="submit" class="w-full bg-emerald-600 hover:bg-emerald-700 text-white font-black py-4 rounded-xl transition-all
uppercase tracking-wider text-sm shadow-md mt-4">
259             <i class="fa-solid fa-save mr-2"></i>Guardar Legajo
260         </button>
261
262     </form>
263 </div>
264 </div>
265 </main>
266
267 <div id="modalSector" class="fixed inset-0 bg-black/60 z-50 hidden flex items-center justify-center backdrop-blur-sm">
268     <div class="bg-white dark:bg-slate-900 p-6 rounded-2xl shadow-xl w-full max-w-sm border border-slate-200 dark:border-slate-800">
269         <h3 class="text-lg font-black uppercase mb-4">Nuevo Sector</h3>
270         <div class="space-y-4">

```

```

271         <div>
272             <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Código (Ej: G23-01)</label>
273             <input type="text" id="nuevo_sector_codigo" class="w-full px-3 py-2 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-
700 outline-none focus:border-blue-500 font-bold">
274         </div>
275         <div>
276             <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Descripción</label>
277             <input type="text" id="nuevo_sector_nombre" class="w-full px-3 py-2 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-
700 outline-none focus:border-blue-500 font-bold">
278         </div>
279         <div class="flex space-x-2 pt-2">
280             <button type="button" onclick="document.getElementById('modalSector').classList.add('hidden')" class="flex-1 bg-slate-200
dark:bg-slate-800 text-slate-700 dark:text-slate-300 font-black py-2 rounded-xl">Cancelar</button>
281             <button type="button" onclick="guardarSector()" class="flex-1 bg-blue-600 hover:bg-blue-700 text-white font-black py-2
rounded-xl">Guardar</button>
282         </div>
283     </div>
284 </div>
285 </div>
286
287 <script>
288     function toggleDocumento() {
289         const tipo = document.getElementById('form_tipo_documento').value;
290         const input = document.getElementById('form_cedula_identidad');
291         if (tipo === 'CI') {
292             input.type = "number";
293             input.placeholder = "Sin puntos ni guiones";
294         } else {
295             input.type = "text";
296             input.placeholder = "Número de Documento";
297         }
298     }
299
300     function editarLegajo(id, alias, nombre, rol, estado, version, tipo_doc, ci, fnac, wp, cel, email, fingresso, id_sector, id_empresa,
contrato) {
301         document.getElementById('titulo_formulario').innerText = "Editando Legajo: " + nombre;
302         document.getElementById('form_id_usuario').value = id;
303         document.getElementById('form_version').value = version;
304         document.getElementById('form_alias').value = alias;

```

```
305 document.getElementById('form_nombre_completo').value = nombre;
306 document.getElementById('form_pin_firma').value = "";
307 document.getElementById('form_pin_firma').required = false;
308 document.getElementById('form_tipo_documento').value = tipo_doc || 'CI';
309 toggleDocumento();
310 document.getElementById('form_cedula_identidad').value = ci;
311 document.getElementById('form_fecha_nacimiento').value = fnac;
312 document.getElementById('form_whatsapp').value = wp;
313 document.getElementById('form_email').value = email;
314 document.getElementById('form_id_sector').value = id_sector;
315 document.getElementById('form_id_empresa').value = id_empresa;
316 document.getElementById('form_tipo_contrato').value = contrato || 'MENSUAL';
317 document.getElementById('form_rol').value = rol;
318 document.getElementById('form_estado').value = estado;
319
320 document.getElementById('seccion_formulario').scrollIntoView({ behavior: 'smooth', block: 'start' });
321 }
322
323 function limpiarFormulario() {
324     document.getElementById('titulo_formulario').innerText = "Alta de Legajo Digital";
325     document.getElementById('form_id_usuario').value = "";
326     document.getElementById('form_version').value = "1";
327     document.getElementById('form_alias').value = "";
328     document.getElementById('form_nombre_completo').value = "";
329     document.getElementById('form_pin_firma').value = "";
330     document.getElementById('form_pin_firma').required = true;
331     document.getElementById('form_tipo_documento').value = 'CI';
332     toggleDocumento();
333     document.getElementById('form_cedula_identidad').value = "";
334     document.getElementById('form_fecha_nacimiento').value = "";
335     document.getElementById('form_whatsapp').value = "";
336     document.getElementById('form_email').value = "";
337     document.getElementById('form_id_sector').value = "";
338     document.getElementById('form_id_empresa').value = "";
339     document.getElementById('form_tipo_contrato').value = "MENSUAL";
340     document.getElementById('form_rol').value = "1";
341     document.getElementById('form_estado').value = "ACTIVO";
342
343     document.getElementById('seccion_formulario').scrollIntoView({ behavior: 'smooth', block: 'start' });
```

```
344     }
345
346     async function guardarSector() {
347         const cod = document.getElementById('nuevo_sector_codigo').value;
348         const nom = document.getElementById('nuevo_sector_nombre').value;
349         if(!cod || !nom) return alert("Completá ambos campos");
350
351         let formData = new FormData();
352         formData.append('codigo', cod);
353         formData.append('nombre', nom);
354
355         let req = await fetch("{ url_for('config.ajax_add_sector') }", { method: 'POST', body: formData });
356         let res = await req.json();
357
358         if(res.success) {
359             let select = document.getElementById('form_id_sector');
360             select.add(new Option(res.codigo + ' - ' + res.nombre, res.id_sector));
361             select.value = res.id_sector;
362             document.getElementById('modalSector').classList.add('hidden');
363             document.getElementById('nuevo_sector_codigo').value = '';
364             document.getElementById('nuevo_sector_nombre').value = '';
365         } else {
366             alert("Error: " + res.error);
367         }
368     }
369     </script>
370 </body>
371 </html>
```

templates\conflictos_detalle.html

```
1 <!DOCTYPE html>
2 <html lang="es" class="{ { 'dark' if tema == 1 else '' } }">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no">
6     <title>UTRAU - Expediente #{ { conflicto.id_conflicto } }</title>
7     <script src="https://cdn.tailwindcss.com"></script>
8     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
```

```

9     <script>
10         tailwind.config = { darkMode: 'class', theme: { extend: {} } }
11     </script>
12 </head>
13 <body class="bg-slate-100 dark:bg-slate-950 text-slate-900 dark:text-slate-100 transition-colors duration-300 min-h-screen pb-10">
14
15     <nav class="bg-slate-900 border-b border-slate-800 p-4 flex justify-between items-center shadow-md text-white sticky top-0 z-40">
16         <div class="flex items-center space-x-3">
17             <span class="font-black text-red-500">EXPEDIENTE <span class="text-slate-400 font-bold hidden sm:inline">| #{ { '%05d' %
conflicto.id_conflicto }}</span></span>
18         </div>
19         <a href="{ { url_for('conflictos.index') } }" class="text-xs font-bold uppercase text-slate-400 hover:text-white transition"><i class="fa-
solid fa-arrow-left mr-2"></i>Volver a la Lista</a>
20     </nav>
21
22     <div class="max-w-7xl mx-auto px-6 mt-4">
23         {% with messages = get_flashed_messages(with_categories=true) %}
24             {% if messages %}
25                 {% for category, message in messages %}
26                     {% if category == 'success' %}
27                         <div class="bg-emerald-100 dark:bg-emerald-900/30 border border-emerald-500 text-emerald-700 dark:text-emerald-400 px-4
py-3 rounded-xl flex items-center mb-4 shadow-sm">
28                             <i class="fa-solid fa-circle-check mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
29                         </div>
30                     {% elif category == 'error' %}
31                         <div class="bg-red-100 dark:bg-red-900/30 border border-red-500 text-red-700 dark:text-red-400 px-4 py-3 rounded-xl flex
items-center mb-4 shadow-sm">
32                             <i class="fa-solid fa-triangle-exclamation mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
33                         </div>
34                     {% endif %}
35                 {% endfor %}
36             {% endif %}
37         {% endwith %}
38     </div>
39
40     <main class="p-6 max-w-7xl mx-auto grid grid-cols-1 xl:grid-cols-3 gap-6 items-start">
41
42         <div class="xl:col-span-2 flex flex-col h-[75vh]">
43             <div class="mb-4">

```

```

44         <div class="flex items-center space-x-3 mb-1">
45             <span class="px-2 py-1 text-[10px] font-black uppercase tracking-widest rounded text-white {% if conflicto.estado == 'Activo'
46 }%bg-red-500{% else %}bg-slate-500{% endif %}">
47                 {{ conflicto.estado }}
48             </span>
49             <span class="text-[10px] font-black uppercase text-slate-500 tracking-widest"><i class="fa-solid fa-building mr-1"></i>{{
50 conflicto.empresa_nombre }}</span>
51         </div>
52         <h1 class="text-3xl font-black leading-tight tracking-tight">{{ conflicto.titulo }}</h1>
53     </div>
54     <div class="flex-1 bg-white dark:bg-slate-900 border border-slate-200 dark:border-slate-800 rounded-t-2xl shadow-sm overflow-y-auto
55 p-4 space-y-4 flex flex-col-reverse">
56         {% for b in bitacora %}
57         <div class="flex space-x-3 {% if b.id_usuario == user_id %}flex-row-reverse space-x-reverse{% endif %}">
58             {% if b.autor_foto %}
59             
61             {% else %}
62             <div class="w-8 h-8 rounded-full bg-slate-200 dark:bg-slate-800 flex items-center justify-center text-[10px] font-black
63 text-slate-500 mt-1">{{ b.autor[0:1] }}</div>
64             {% endif %}
65             <div class="max-w-[85%] {% if b.id_usuario == user_id %}bg-blue-50 dark:bg-blue-900/20 border border-blue-100 dark:border-
66 blue-800/30{% else %}bg-slate-50 dark:bg-slate-800/50 border border-slate-100 dark:border-slate-700{% endif %} rounded-2xl p-3 shadow-sm">
67                 <div class="flex justify-between items-end mb-1 space-x-4">
68                     <span class="text-[10px] font-black text-slate-700 dark:text-slate-300 uppercase">{{ b.autor }}</span>
69                     <span class="text-[9px] font-bold text-slate-400">{{ b.timestamp.strftime('%d/%m %H:%M') }}</span>
70                 </div>
71                 <p class="text-sm text-slate-800 dark:text-slate-200 whitespace-pre-line font-medium">{{ b.descripcion }}</p>
72             </div>
73         </div>
74         {% else %}
75         <div class="text-center py-10 opacity-50">
76             <i class="fa-solid fa-book-open text-4xl mb-2"></i>
77             <p class="text-xs font-bold uppercase tracking-widest">El expediente no tiene entradas aún.</p>
78         </div>
79     {% endfor %}
80 </div>

```

```

77
78     <div class="bg-slate-50 dark:bg-slate-900 p-4 border border-t-0 border-slate-200 dark:border-slate-800 rounded-b-2xl shadow-sm">
79         <form action="{ { url_for('conflictos.agregar_bitacora', id_conflicto=conflicto.id_conflicto) } }" method="POST" class="flex items-
end space-x-2">
80             <textarea name="descripcion" rows="2" required placeholder="Agregar nota al expediente..." class="flex-1 px-4 py-3 rounded-xl
border border-slate-300 dark:border-slate-700 bg-white dark:bg-slate-950 text-sm font-medium focus:border-blue-500 outline-none resize-none">
</textarea>
81             <button type="submit" class="bg-blue-600 hover:bg-blue-700 text-white p-4 rounded-xl shadow-md transition group h-full">
82                 <i class="fa-solid fa-paper-plane group-hover:scale-110 transition"></i>
83             </button>
84         </form>
85     </div>
86 </div>
87
88 <div class="space-y-6">
89
90     <div class="bg-white dark:bg-slate-900 border border-slate-200 dark:border-slate-800 rounded-2xl p-5 shadow-sm">
91         <h3 class="text-xs font-black uppercase text-slate-400 border-b border-slate-100 dark:border-slate-800 pb-2 mb-3"><i class="fa-
solid fa-circle-info mr-2"></i>Datos del Caso</h3>
92         <div class="space-y-2 mb-4">
93             <p class="text-xs text-slate-600 dark:text-slate-400"><strong class="uppercase">Ámbito:</strong> { { conflicto.ambito } }</p>
94             <p class="text-xs text-slate-600 dark:text-slate-400"><strong class="uppercase">Responsable:</strong> { {
conflicto.responsable_nombre } }</p>
95             <p class="text-xs text-slate-600 dark:text-slate-400"><strong class="uppercase">RUT Entidad:</strong> { {
conflicto.empresa_rut or 'N/D' } }</p>
96         </div>
97
98         { % if user_rol >= 3 %}
99         <form action="{ { url_for('conflictos.cambiar_estado', id_conflicto=conflicto.id_conflicto) } }" method="POST" class="border-t
border-slate-100 dark:border-slate-800 pt-3">
100             <label class="block text-[9px] font-black text-slate-500 mb-1 uppercase">Cambiar Estado (Solo Ejecutivo)</label>
101             <div class="flex space-x-2">
102                 <select name="estado" class="flex-1 px-3 py-2 rounded-lg border border-slate-200 dark:border-slate-700 bg-slate-50
dark:bg-slate-800 text-xs font-bold outline-none">
103                     <option value="Activo" { % if conflicto.estado == 'Activo' %}selected{ % endif %}>Activo / Abierto</option>
104                     <option value="Archivado" { % if conflicto.estado == 'Archivado' %}selected{ % endif %}>Cerrado / Archivado</option>
105                 </select>
106                 <button type="submit" class="bg-slate-200 hover:bg-slate-300 dark:bg-slate-700 dark:hover:bg-slate-600 px-3 py-2 rounded-
lg text-xs font-black transition">Aplicar</button>
107             </div>

```



```

108         </form>
109         {% endif %}
110     </div>
111
112     <div class="bg-white dark:bg-slate-900 border border-slate-200 dark:border-slate-800 rounded-2xl p-5 shadow-sm">
113         <div class="flex justify-between items-center border-b border-slate-100 dark:border-slate-800 pb-2 mb-3">
114             <h3 class="text-xs font-black uppercase text-slate-400"><i class="fa-solid fa-folder-open mr-2"></i>Anexos</h3>
115             <button onclick="document.getElementById('modalDoc').classList.remove('hidden');
document.getElementById('modalDoc').classList.add('flex');" class="text-[9px] font-black bg-emerald-100 text-emerald-700 px-2 py-1 rounded
uppercase hover:bg-emerald-200 transition">+ Subir</button>
116         </div>
117
118         <div class="space-y-2 max-h-48 overflow-y-auto pr-1">
119             {% for d in documentos %}
120                 <a href="{{ d.ruta_archivo }}" target="_blank" class="block p-2 bg-slate-50 dark:bg-slate-800/50 border border-slate-200
dark:border-slate-700 rounded-lg hover:border-blue-500 transition group">
121                     <div class="flex justify-between items-start">
122                         <div class="flex items-start space-x-2">
123                             <i class="fa-solid fa-file-pdf text-red-500 mt-1"></i>
124                             <div>
125                                 <p class="text-xs font-black text-slate-800 dark:text-slate-200 leading-tight group-hover:text-blue-500">{{
d.descripcion_corta }}</p>
126                                 <p class="text-[9px] font-bold text-slate-500 uppercase">{{ d.tipo_documento }} | Por @{{ d.subido_por }}</p>
127                             </div>
128                         </div>
129                     </div>
130                 </a>
131             {% else %}
132                 <p class="text-xs font-bold text-slate-400 text-center italic py-2">Sin documentos anexos.</p>
133             {% endfor %}
134         </div>
135     </div>
136
137     <div class="bg-white dark:bg-slate-900 border border-slate-200 dark:border-slate-800 rounded-2xl p-5 shadow-sm">
138         <div class="flex justify-between items-center border-b border-slate-100 dark:border-slate-800 pb-2 mb-3">
139             <h3 class="text-xs font-black uppercase text-slate-400"><i class="fa-solid fa-users mr-2"></i>Equipo Asignado</h3>
140             {% if user_rol >= 3 %}
141                 <button onclick="document.getElementById('modalPart').classList.remove('hidden');
document.getElementById('modalPart').classList.add('flex');" class="text-[9px] font-black bg-blue-100 text-blue-700 px-2 py-1 rounded uppercase

```

```

142     hover:bg-blue-200 transition">+ Añadir</button>
143         {% endif %}
144     </div>
145     <div class="space-y-2">
146         {% for p in participantes %}
147         <div class="flex items-center space-x-2">
148             {% if p.path_foto %}
149                 
150             {% else %}
151                 <div class="w-6 h-6 rounded-full bg-slate-200 dark:bg-slate-700 flex items-center justify-center text-[9px] font-
black">{{ p.nombre_completo[0:1] }}</div>
152             {% endif %}
153             <span class="text-xs font-bold text-slate-700 dark:text-slate-300">{{ p.nombre_completo }}</span>
154         </div>
155         {% else %}
156         <p class="text-xs font-bold text-slate-400 text-center italic">Solo el responsable tiene acceso.</p>
157         {% endfor %}
158     </div>
159 </div>
160
161 </div>
162 </main>
163
164 <div id="modalDoc" class="fixed inset-0 bg-slate-900/60 z-50 hidden items-center justify-center backdrop-blur-sm p-4">
165     <div class="bg-white dark:bg-slate-900 p-6 rounded-3xl shadow-2xl w-full max-w-sm border border-slate-200 dark:border-slate-800">
166         <div class="flex justify-between items-center mb-4 border-b border-slate-100 dark:border-slate-800 pb-2">
167             <h3 class="text-lg font-black uppercase tracking-tight text-emerald-600"><i class="fa-solid fa-cloud-arrow-up mr-2"></i>Anexar
Archivo</h3>
168             <button type="button" onclick="document.getElementById('modalDoc').classList.add('hidden');
document.getElementById('modalDoc').classList.remove('flex');" class="text-slate-400 hover:text-red-500"><i class="fa-solid fa-xmark text-xl">
</i></button>
169         </div>
170
171         <form action="{{ url_for('conflictos.subir_documento', id_conflicto=conflicto.id_conflicto) }}" method="POST"
enctype="multipart/form-data" class="space-y-4">
172             <div>
173                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Clasificación</label>

```

```
174         <select name="tipo_documento" required class="w-full px-4 py-2 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-700
outline-none focus:border-emerald-500 font-bold text-sm">
175             <option value="Acta" class="text-black">Acta Bipartita / MTSS</option>
176             <option value="Denuncia" class="text-black">Carta de Denuncia</option>
177             <option value="Recibo" class="text-black">Recibo de Sueldo</option>
178             <option value="Respuesta" class="text-black">Respuesta Patronal</option>
179             <option value="Evidencia" class="text-black">Evidencia (Fotos/Chats)</option>
180             <option value="Otro" class="text-black">Otro</option>
181         </select>
182     </div>
183     <div>
184         <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Breve Descripción (Título)</label>
185         <input type="text" name="descripcion_corta" required placeholder="Ej: Acta MTSS 1ra Instancia" class="w-full px-4 py-2
border-2 rounded-xl dark:bg-slate-800 dark:border-slate-700 outline-none focus:border-emerald-500 font-bold text-sm">
186     </div>
187     <div class="p-4 border-2 border-dashed border-slate-300 dark:border-slate-700 rounded-xl bg-slate-50 dark:bg-slate-800/50 text-
center">
188         <i class="fa-solid fa-file-pdf text-3xl text-slate-400 mb-2"></i>
189         <input type="file" name="archivo" required accept="image/*,.pdf,.doc,.docx" class="w-full text-[10px] text-slate-500 file:mr-
4 file:py-2 file:px-4 file:rounded-full file:border-0 file:text-[10px] file:font-black file:bg-emerald-100 file:text-emerald-700 hover:file:bg-
emerald-200">
190     </div>
191
192     <button type="submit" class="w-full bg-emerald-600 hover:bg-emerald-700 text-white font-black py-3 rounded-xl mt-4 transition
uppercase tracking-wider text-sm shadow-md">Subir al Expediente</button>
193 </form>
194 </div>
195 </div>
196
197 <div id="modalPart" class="fixed inset-0 bg-slate-900/60 z-50 hidden items-center justify-center backdrop-blur-sm p-4">
198     <div class="bg-white dark:bg-slate-900 p-6 rounded-3xl shadow-2xl w-full max-w-sm border border-slate-200 dark:border-slate-800">
199         <div class="flex justify-between items-center mb-4 border-b border-slate-100 dark:border-slate-800 pb-2">
200             <h3 class="text-lg font-black uppercase tracking-tight text-blue-600"><i class="fa-solid fa-user-plus mr-2"></i>Dar Acceso</h3>
201             <button type="button" onclick="document.getElementById('modalPart').classList.add('hidden');
document.getElementById('modalPart').classList.remove('flex');" class="text-slate-400 hover:text-red-500"><i class="fa-solid fa-xmark text-xl">
</i></button>
202         </div>
203
204         <form action="{ { url_for('conflictos.agregar_participante', id_conflicto=conflicto.id_conflicto) } }" method="POST">
```

```

205         <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Seleccionar Compañero</label>
206         <select name="id_usuario" required class="w-full px-4 py-3 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-700 outline-
none focus:border-blue-500 font-bold text-sm mb-4">
207             <option value="">-- Buscar en Padrón --</option>
208             {% for u in usuarios_disponibles %}
209             <option value="{{ u.id_usuario }}" class="text-black">{{ u.nombre_completo }}</option>
210             {% endfor %}
211         </select>
212         <p class="text-[9px] font-bold text-amber-600 dark:text-amber-500 mb-4 bg-amber-50 dark:bg-amber-900/20 p-2 rounded border
border-amber-200 dark:border-amber-800"><i class="fa-solid fa-triangle-exclamation mr-1"></i>Al dar acceso, el compañero podrá leer toda la
bitácora y documentos de este expediente de forma inmediata.</p>
213
214         <button type="submit" class="w-full bg-blue-600 hover:bg-blue-700 text-white font-black py-3 rounded-xl transition uppercase
tracking-wider text-sm shadow-md">Otorgar Permiso</button>
215     </form>
216 </div>
217 </div>
218
219 </body>
220 </html>

```

templates\conflictos_lista.html

```

1 <!DOCTYPE html>
2 <html lang="es" class="{{ 'dark' if tema == 1 else ' ' }}">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no">
6     <title>UTRAU - Expedientes y Conflictos</title>
7     <script src="https://cdn.tailwindcss.com"></script>
8     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
9     <script>
10         tailwind.config = { darkMode: 'class', theme: { extend: {} } }
11     </script>
12 </head>
13 <body class="bg-slate-100 dark:bg-slate-950 text-slate-900 dark:text-slate-100 transition-colors duration-300 min-h-screen">
14
15     <nav class="bg-slate-900 border-b border-slate-800 p-4 flex justify-between items-center shadow-md text-white sticky top-0 z-40">
16         <div class="flex items-center space-x-3">

```

```

17         <span class="font-black text-red-500">UTRAU <span class="text-slate-400 font-bold hidden sm:inline">| GESTIÓN DE CONFLICTOS</span>
18     </span>
19 </div>
20     <a href="{ { url_for('index') } }" class="text-xs font-bold uppercase text-slate-400 hover:text-white transition"><i class="fa-solid fa-
21 arrow-left mr-2"></i>Volver</a>
22 </nav>
23 <div class="max-w-7xl mx-auto px-6 mt-4">
24     {% with messages = get_flashed_messages(with_categories=true) %}
25     {% if messages %}
26         {% for category, message in messages %}
27             {% if category == 'success' %}
28                 <div class="bg-emerald-100 dark:bg-emerald-900/30 border border-emerald-500 text-emerald-700 dark:text-emerald-400 px-4
29 py-3 rounded-xl flex items-center mb-4 shadow-sm">
30                     <i class="fa-solid fa-circle-check mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
31                 </div>
32             {% elif category == 'error' %}
33                 <div class="bg-red-100 dark:bg-red-900/30 border border-red-500 text-red-700 dark:text-red-400 px-4 py-3 rounded-xl flex
34 items-center mb-4 shadow-sm">
35                     <i class="fa-solid fa-triangle-exclamation mr-3 text-lg"></i><span class="text-sm font-bold">{{ message }}</span>
36                 </div>
37             {% endif %}
38         {% endfor %}
39     {% endif %}
40     {% endwith %}
41 </div>
42 <main class="p-6 max-w-7xl mx-auto">
43     <div class="flex justify-between items-center mb-6">
44         <div>
45             <h1 class="text-2xl font-black uppercase tracking-tight">Expedientes Activos</h1>
46             <p class="text-xs font-bold text-slate-500 uppercase tracking-widest">Trazabilidad Sindical</p>
47         </div>
48         {% if user_rol >= 3 %}
49             <button onclick="document.getElementById('modalNuevo').classList.remove('hidden');
50 document.getElementById('modalNuevo').classList.add('flex');" class="bg-red-600 hover:bg-red-700 text-white px-4 py-2 rounded-xl font-black
51 uppercase tracking-wider text-xs transition shadow-md flex items-center">
52                 <i class="fa-solid fa-plus mr-2"></i>Nuevo
53             </button>

```

```

50         {% endif %}
51     </div>
52
53     <div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-6">
54         {% for c in conflictos %}
55             <a href="{ { url_for('conflictos.detalle', id_conflicto=c.id_conflicto) } }" class="bg-white dark:bg-slate-900 border {% if c.estado ==
'Activo' %}border-red-200 dark:border-red-900/30{% else %}border-slate-200 dark:border-slate-800{% endif %} rounded-2xl p-5 hover:shadow-lg
transition group block relative overflow-hidden">
56
57                 {% if c.estado == 'Activo' %}
58                     <div class="absolute top-0 left-0 w-1 h-full bg-red-500"></div>
59                 {% else %}
60                     <div class="absolute top-0 left-0 w-1 h-full bg-slate-500"></div>
61                 {% endif %}
62
63                 <div class="flex justify-between items-start mb-3 pl-2">
64                     <span class="text-[10px] font-black uppercase tracking-widest px-2 py-0.5 rounded {% if c.estado == 'Activo' %}bg-red-100
text-red-700 dark:bg-red-900/50 dark:text-red-400{% else %}bg-slate-200 text-slate-600 dark:bg-slate-800 dark:text-slate-400{% endif %}">
65                         {{ c.estado }}
66                     </span>
67                     <span class="text-[10px] font-bold text-slate-400 uppercase"><i class="fa-regular fa-clock mr-1"></i>{{
c.fecha_creacion.strftime('%d/%m/%Y') }}</span>
68                 </div>
69
70                 <div class="pl-2">
71                     <h3 class="text-lg font-black leading-tight mb-1 text-slate-800 dark:text-slate-100 group-hover:text-red-500 transition">{{
c.titulo }}</h3>
72                     <p class="text-xs font-bold text-slate-500 uppercase tracking-widest mb-4"><i class="fa-solid fa-building mr-1"></i>{{
c.empresa_nombre }}</p>
73
74                     <div class="pt-3 border-t border-slate-100 dark:border-slate-800/50 flex justify-between items-center">
75                         <div class="flex items-center space-x-2">
76                             <div class="w-6 h-6 rounded-full bg-blue-100 text-blue-600 flex items-center justify-center text-[10px] font-black">
77                                 <i class="fa-solid fa-user-tie"></i>
78                             </div>
79                             <span class="text-[10px] font-bold text-slate-600 dark:text-slate-400 uppercase">{{ c.responsable_nombre }}</span>
80                         </div>
81                         <span class="text-[9px] font-black px-2 py-1 bg-slate-100 dark:bg-slate-800 text-slate-500 rounded uppercase tracking-
widest">{{ c.ambito }}</span>

```

```

82         </div>
83     </div>
84 </a>
85 {% else %}
86 <div class="col-span-full py-12 text-center border-2 border-dashed border-slate-300 dark:border-slate-700 rounded-2xl">
87     <i class="fa-solid fa-folder-open text-4xl text-slate-300 dark:text-slate-600 mb-3"></i>
88     <p class="text-sm font-bold text-slate-500 uppercase tracking-widest">No hay expedientes activos a tu nombre.</p>
89 </div>
90 {% endfor %}
91 </div>
92 </main>
93
94 {% if user_rol >= 3 %}
95 <div id="modalNuevo" class="fixed inset-0 bg-slate-900/60 z-50 hidden items-center justify-center backdrop-blur-sm p-4">
96     <div class="bg-white dark:bg-slate-900 p-6 rounded-3xl shadow-2xl w-full max-w-md border border-slate-200 dark:border-slate-800">
97         <div class="flex justify-between items-center mb-4 border-b border-slate-100 dark:border-slate-800 pb-2">
98             <h3 class="text-lg font-black uppercase tracking-tight text-red-600"><i class="fa-solid fa-folder-plus mr-2"></i>Iniciar
Expediente</h3>
99             <button type="button" onclick="document.getElementById('modalNuevo').classList.add('hidden');
document.getElementById('modalNuevo').classList.remove('flex');" class="text-slate-400 hover:text-red-500"><i class="fa-solid fa-xmark text-xl">
</i></button>
100         </div>
101
102         <form action="{{ url_for('conflictos.crear') }}" method="POST" class="space-y-4">
103             <div>
104                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Carátula (Título del Conflicto)*</label>
105                 <input type="text" name="titulo" required placeholder="Ej: Reclamo Horas Extras Sector Envasado" class="w-full px-4 py-3
border-2 rounded-xl dark:bg-slate-800 dark:border-slate-700 outline-none focus:border-red-500 font-bold text-sm">
106             </div>
107             <div>
108                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Entidad / Empresa Afectada*</label>
109                 <select name="id_empresa" required class="w-full px-4 py-3 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-700
outline-none focus:border-red-500 font-bold text-sm">
110                     <option value="">-- Seleccione Entidad --</option>
111                     {% for e in empresas %}
112                         <option value="{{ e.id_empresa }}" class="text-black">{{ e.nombre_fantasia }}</option>
113                     {% endfor %}
114                 </select>
115             </div>

```

```

116         <div class="grid grid-cols-2 gap-4">
117             <div>
118                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Ámbito de Negociación</label>
119                 <select name="ambito" required class="w-full px-4 py-3 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-700
outline-none focus:border-red-500 font-bold text-sm">
120                     <option value="Bipartito" class="text-black">Bipartito</option>
121                     <option value="Tripartito" class="text-black">Tripartito</option>
122                     <option value="Interno" class="text-black">Interno Sindical</option>
123                     <option value="Judicial" class="text-black">Judicial</option>
124                 </select>
125             </div>
126             <div>
127                 <label class="block text-[10px] font-black text-slate-500 mb-1 uppercase">Responsable (Ejecutivo)*</label>
128                 <select name="id_responsable" required class="w-full px-4 py-3 border-2 rounded-xl dark:bg-slate-800 dark:border-slate-
700 outline-none focus:border-red-500 font-bold text-sm">
129                     {% for r in responsables %}
130                     <option value="{ r.id_usuario }" class="text-black" {% if r.id_usuario == user_id %}selected{% endif %}>{{
r.nombre_completo }}</option>
131                     {% endfor %}
132                 </select>
133             </div>
134         </div>
135
136         <button type="submit" class="w-full bg-red-600 hover:bg-red-700 text-white font-black py-4 rounded-xl mt-4 transition uppercase
tracking-wider text-sm shadow-md">
137             <i class="fa-solid fa-stamp mr-2"></i>Sellar y Crear
138         </button>
139     </form>
140 </div>
141 </div>
142 {% endif %}
143
144 </body>
145 </html>

```

templates\index.html

```

1 <!DOCTYPE html>
2 <html lang="es" class="{ 'dark' if tema == 1 else '' }">
3 <head>

```



```
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>UTRAU - Panel Operativo</title>
7 <script src="https://cdn.tailwindcss.com"></script>
8 <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@6.0.0/css/all.min.css">
9 <script>
10     tailwind.config = { darkMode: 'class', theme: { extend: {} } }
11 </script>
12 </head>
13 <body class="bg-slate-100 dark:bg-slate-950 text-slate-900 dark:text-slate-100 transition-colors duration-300 min-h-screen">
14
15     <nav class="bg-white dark:bg-slate-900 border-b border-slate-200 dark:border-slate-800 p-4 flex justify-between items-center shadow-sm">
16         <div class="flex items-center space-x-3">
17             <span class="font-black text-blue-600 dark:text-blue-400">UTRAU</span>
18             <span class="text-xs uppercase tracking-widest text-slate-500 hidden md:inline">Panel Operativo</span>
19         </div>
20
21         <div class="flex items-center space-x-4">
22             {% if session.get('user_rol', 0) >= 3 %}
23             <a href="{{ url_for('config.panel') }}" class="px-3 py-2 bg-red-600 hover:bg-red-700 text-white rounded-lg text-xs font-black
uppercase transition shadow-md flex items-center">
24                 <i class="fa-solid fa-gears md:mr-2"></i>
25                 <span class="hidden md:inline">Centro de Mando</span>
26             </a>
27             {% endif %}
28
29             <a href="{{ url_for('auth.toggle_theme') }}" class="p-2 bg-slate-200 dark:bg-slate-800 rounded-lg hover:bg-slate-300 dark:hover:bg-
slate-700 transition" title="Cambiar Tema">
30                 <i class="fa-solid fa-circle-half-stroke"></i>
31             </a>
32
33             <span class="text-xs font-bold uppercase border-1 border-slate-300 dark:border-slate-700 pl-4">{{ user_nom }}</span>
34             <a href="{{ url_for('auth.logout') }}" class="text-xs font-black text-red-500 uppercase hover:text-red-700 transition">Cerrar
Sesión</a>
35         </div>
36     </nav>
37
38     <main class="p-6 max-w-6xl mx-auto mt-4">
39         <h1 class="text-2xl font-black mb-6 uppercase tracking-tight">Resumen Ejecutivo</h1>
```

```

40
41     <div class="grid grid-cols-1 md:grid-cols-3 gap-6 mb-8">
42         <div class="bg-white dark:bg-slate-900 p-6 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-sm flex flex-col justify-
between">
43             <h3 class="text-[10px] font-bold text-slate-500 uppercase tracking-widest mb-2">Conflictos Activos</h3>
44             <p class="text-4xl font-black text-red-500">{{ total_conflictos }}</p>
45         </div>
46
47         <div class="bg-white dark:bg-slate-900 p-6 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-sm flex flex-col justify-
between">
48             <h3 class="text-[10px] font-bold text-slate-500 uppercase tracking-widest mb-2">Actividades Futuras</h3>
49             <p class="text-4xl font-black text-blue-500">{{ actividades_futuras }}</p>
50         </div>
51
52         <div class="bg-white dark:bg-slate-900 p-6 rounded-2xl border border-slate-200 dark:border-slate-800 shadow-sm flex flex-col justify-
between">
53             <h3 class="text-[10px] font-bold text-slate-500 uppercase tracking-widest mb-2">Compañeros (Padrón)</h3>
54             <p class="text-4xl font-black text-emerald-500">{{ total_companeros }}</p>
55         </div>
56     </div>
57
58     <div class="grid grid-cols-2 md:grid-cols-4 gap-4">
59         <a href="{{ url_for('agenda.vista_agenda') }}" class="p-6 bg-white dark:bg-slate-900 border border-slate-200 dark:border-slate-800
rounded-2xl hover:border-blue-500 transition group flex flex-col items-center text-center shadow-sm">
60             <i class="fa-solid fa-calendar-days text-4xl mb-4 text-blue-500 group-hover:scale-110 transition"></i>
61             <span class="text-xs font-black uppercase tracking-widest text-slate-700 dark:text-slate-300">Agenda Operativa</span>
62         </a>
63
64         <a href="{{ url_for('conflictos.index') }}" class="p-6 bg-white dark:bg-slate-900 border border-slate-200 dark:border-slate-800
rounded-2xl hover:border-red-500 transition group flex flex-col items-center text-center shadow-sm">
65             <i class="fa-solid fa-scale-balanced text-4xl mb-4 text-red-500 group-hover:scale-110 transition"></i>
66             <span class="text-xs font-black uppercase tracking-widest text-slate-700 dark:text-slate-300">Conflictos</span>
67         </a>
68
69         {% for item in menu %}
70         <a href="{{ item.vista_destino }}" class="p-6 bg-white dark:bg-slate-900 border border-slate-200 dark:border-slate-800 rounded-2xl
hover:border-blue-500 transition group flex flex-col items-center text-center shadow-sm">
71             <i class="{{ item.icono }}" text-4xl mb-4 text-blue-500 group-hover:scale-110 transition"></i>
72             <span class="text-xs font-black uppercase tracking-widest text-slate-700 dark:text-slate-300">{{ item.nombre_boton }}</span>

```

```
73         </a>
74     {% endfor %}
75
76 </div>
77 </main>
78 </body>
79 </html>
```

templates\login.html

```
1 <!DOCTYPE html>
2 <html lang="es">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no">
6     <title>UTRAU - Acceso Seguro</title>
7     <script src="https://cdn.tailwindcss.com"></script>
8     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
9     <style>
10         @keyframes float { 0%, 100% { transform: translateY(0px); } 50% { transform: translateY(-12px); } }
11         @keyframes scan { 0% { top: 0%; opacity: 0; } 10% { opacity: 1; } 90% { opacity: 1; } 100% { top: 100%; opacity: 0; } }
12         @keyframes fadeInUp { from { transform: translateY(25px); opacity: 0; } to { transform: translateY(0); opacity: 1; } }
13     </style>
14 </head>
15 <body class="bg-slate-900 flex items-center justify-center min-h-screen p-3 relative font-sans">
16
17     <div id="preloader-julmar" class="fixed inset-0 bg-slate-950 z-[9999] flex flex-col justify-between items-center p-8 transition-all duration-
1000 ease-in-out">
18         <div></div>
19         <div class="flex flex-col items-center justify-center space-y-6 relative">
20             <div class="relative w-40 h-40 flex items-center justify-center">
21                 <div class="absolute inset-0 bg-blue-500/10 rounded-full blur-2xl animate-pulse"></div>
22                 
24                 <div class="absolute inset-x-0 h-0.5 bg-gradient-to-r from-transparent via-cyan-400 to-transparent z-20 opacity-70 animate-
[scan_2.5s_linear_infinite]"></div>
25             </div>
26             <div class="text-center space-y-1">
27                 <h1 class="text-2xl font-black text-white tracking-widest uppercase font-mono">UTRAU</h1>
28                 <p class="text-[10px] font-bold text-cyan-400 uppercase tracking-[0.3em] animate-pulse">Operating System Active</p>
```

```
29     </div>
30 </div>
31 <div class="flex flex-col items-center justify-center pt-8 pb-8 opacity-0 animate-[fadeInUp_1.2s_ease-out_0.5s_forwards]">
32     <span class="text-[10px] font-black text-slate-600 uppercase tracking-[0.5em] block mb-3 opacity-90">Powered By</span>
33     
35 </div>
36 </div>
37
38 <div class="bg-slate-900 border border-slate-800 p-8 rounded-[2rem] shadow-2xl w-full max-w-md z-10 text-white">
39     <div class="flex flex-col items-center text-center mb-6">
40         
41         <h2 class="text-xl font-black text-blue-500 tracking-wider uppercase">UTRAU</h2>
42         <p class="text-[9px] font-bold text-slate-500 uppercase tracking-widest">Acceso Operativo Centralizado</p>
43     </div>
44
45     {% if error %}
46     <div class="bg-red-900/50 border border-red-700 text-red-400 px-4 py-3 rounded-2xl text-xs font-black text-center uppercase mb-4">
47         {{ error }}
48     </div>
49     {% endif %}
50
51     <form action="/login" method="POST" id="loginForm" class="space-y-4">
52         <div>
53             <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase tracking-wide ml-1">Compañero</label>
54             <input type="text" name="alias" required
55                 class="w-full px-4 py-4 rounded-2xl border-2 border-slate-800 bg-slate-950 focus:border-blue-500 outline-none font-bold text-
white transition">
56         </div>
57         <div>
58             <label class="block text-[10px] font-black text-slate-500 mb-1.5 uppercase tracking-widest ml-1">PIN de Firma</label>
59             <input type="password" name="pin_firma" required
60                 class="w-full px-4 py-4 rounded-2xl border-2 border-slate-800 bg-slate-950 focus:border-blue-500 outline-none text-center
text-2xl tracking-[1em] font-black text-white transition">
61         </div>
62
63         <input type="hidden" name="uuid_terminal" id="uuid_terminal">
64         <input type="hidden" name="nombre_equipo" id="nombre_equipo">
65     </form>
66 </div>
```

```

66     <button type="submit" id="btnIngresar"
67         class="w-full bg-blue-600 hover:bg-blue-700 text-white font-black py-4 rounded-2xl transition-all uppercase tracking-wider text-
sm">
68         Ingresar al Sistema
69     </button>
70 </form>
71
72 <div class="mt-8 pt-4 border-t border-slate-800/60 text-[9px] font-black uppercase tracking-wider text-slate-600">
73     <div class="flex justify-between mb-2">
74         <span>Terminal:</span>
75         <span class="text-slate-400 font-mono" id="display_uuid">Analizando...</span>
76     </div>
77     <div class="flex justify-between">
78         <span>Estado:</span>
79         <span class="text-emerald-400 font-black">ESPERANDO ACCESO</span>
80     </div>
81 </div>
82 </div>
83
84 <script>
85     function generarUUID() {
86         if (window.crypto && window.crypto.randomUUID) {
87             try {
88                 return window.crypto.randomUUID();
89             } catch(e) {}
90         }
91         return 'xxxxxxxx-xxxx-4xxx-yxxx-xxxxxxxxxxxx'.replace(/[xy]/g, function(c) {
92             var r = Math.random() * 16 | 0, v = c == 'x' ? r : (r & 0x3 | 0x8);
93             return v.toString(16);
94         });
95     }
96
97     window.addEventListener('load', () => {
98         let uuid = localStorage.getItem('utrau_device_uuid');
99
100         if (!uuid) {
101             uuid = generarUUID();
102             localStorage.setItem('utrau_device_uuid', uuid);
103         }

```

```

104
105     document.getElementById('uuid_terminal').value = uuid;
106     document.getElementById('nombre_equipo').value = navigator.userAgent.substring(0, 99);
107     document.getElementById('display_uuid').innerText = uuid.substring(0, 8) + '...';
108
109     setTimeout(() => {
110         const preloader = document.getElementById('preloader-julmar');
111         preloader.style.opacity = '0';
112         setTimeout(() => { preloader.remove(); }, 1000);
113     }, 3000);
114 });
115
116 document.getElementById('loginForm').onsubmit = function() {
117     document.getElementById('btnIngresar').disabled = true;
118     document.getElementById('btnIngresar').innerHTML = '<i class="fa-solid fa-circle-notch animate-spin mr-2"></i> Cargando...';
119 };
120 </script>
121 </body>
122 </html>

```

.env

```

1 # Configuración de Base de Datos
2 DB_HOST=127.0.0.1
3 DB_USER=root
4 DB_PASSWORD=
5 DB_NAME=utrau_app_db
6 DB_PORT=3306
7
8 # Configuración Operativa
9 UTRAU_SECRET_KEY=utrau_secret_key_2026
10 UTRAU_PROD=False

```

app.py

```

1 from flask import Flask, render_template, session
2 from auth import auth_bp
3 from rutas_config import config_bp
4 from rutas_agenda import agenda_bp
5 from rutas_conflictos import conflictos_bp

```

```
6 from backend.security import requiere_ejecutivo, requiere_login
7 from backend.db_core import get_connection
8
9 app = Flask(__name__)
10 app.secret_key = 'utrau_secret_2026'
11
12 # Registro de Módulos (Blueprints)
13 app.register_blueprint(auth_bp)
14 app.register_blueprint(config_bp)
15 app.register_blueprint(agenda_bp)
16 app.register_blueprint(conflictos_bp)
17
18 @app.context_processor
19 def inject_theme():
20     return dict(tema=session.get('tema_visual', 0))
21
22 @app.route('/')
23 @requiere_login
24 def index():
25     db = get_connection()
26     cursor = db.cursor(dictionary=True)
27
28     # Menú Dinámico
29     if session.get('user_rol') == 4:
30         cursor.execute("SELECT * FROM utrau_menu_sistema ORDER BY orden")
31     else:
32         cursor.execute("SELECT * FROM utrau_menu_sistema WHERE FIND_IN_SET(%, roles_permitidos) ORDER BY orden", (session.get('user_rol'),))
33     menu = cursor.fetchall()
34
35     # Cálculo de Estadísticas en Tiempo Real
36     cursor.execute("SELECT COUNT(*) as total FROM utrau_conflictos WHERE estado = 'Activo'")
37     total_conflictos = cursor.fetchone()['total']
38
39     cursor.execute("SELECT COUNT(*) as total FROM utrau_agenda WHERE fecha_inicio >= CURRENT_DATE() AND estado != 'Cerrado'")
40     actividades_futuras = cursor.fetchone()['total']
41
42     cursor.execute("SELECT COUNT(*) as total FROM utrau_usuarios WHERE estado = 'ACTIVO'")
43     total_companeros = cursor.fetchone()['total']
44
```

```

45     cursor.close()
46     db.close()
47
48     return render_template('index.html',
49                             user_nom=session.get('user_alias'),
50                             menu=menu,
51                             total_conflictos=total_conflictos,
52                             actividades_futuras=actividades_futuras,
53                             total_companeros=total_companeros)
54
55 if __name__ == '__main__':
56     app.run(debug=True, host='0.0.0.0', port=7000)

```

auth.py

```

1  from flask import Blueprint, request, session, redirect, url_for, render_template
2  from backend.db_core import get_connection
3
4  auth_bp = Blueprint('auth', __name__)
5
6  @auth_bp.route('/login', methods=['GET', 'POST'])
7  def login():
8      if request.method == 'GET':
9          return render_template('login.html')
10
11     alias_ingresado = request.form.get('alias', '').strip().upper()
12     pin_ingresado = request.form.get('pin_firma', '').strip()
13     uuid_terminal = request.form.get('uuid_terminal', '').strip()
14     nombre_equipo = request.form.get('nombre_equipo', 'Dispositivo Desconocido').strip()
15
16     db = get_connection()
17     cursor = db.cursor(dictionary=True)
18
19     try:
20         cursor.execute("SELECT * FROM utrau_usuarios WHERE alias = %s AND estado = 'ACTIVO'", (alias_ingresado,))
21         user = cursor.fetchone()
22
23         if not user or str(user['pin_firma']).strip() != pin_ingresado:
24             return render_template('login.html', error="Compañero no encontrado, inactivo o PIN incorrecto.")

```



```

25
26     if uuid_terminal:
27         cursor.execute("SELECT * FROM utrau_terminales_activas WHERE uuid_terminal = %s", (uuid_terminal,))
28         terminal = cursor.fetchone()
29
30     if not terminal:
31         cursor.execute("""
32             INSERT INTO utrau_terminales_activas (uuid_terminal, nombre_equipo, id_usuario_actual, estado)
33             VALUES (%s, %s, %s, 'CONECTADO')
34             """, (uuid_terminal, nombre_equipo, user['id_usuario']))
35     else:
36         cursor.execute("""
37             UPDATE utrau_terminales_activas
38             SET estado = 'CONECTADO', id_usuario_actual = %s, ultima_conexion = CURRENT_TIMESTAMP
39             WHERE uuid_terminal = %s
40             """, (user['id_usuario'], uuid_terminal))
41
42     session.clear()
43     session['user_id'] = user['id_usuario']
44     session['user_rol'] = user['rol']
45     session['user_alias'] = user['alias']
46     session['tema_visual'] = user['tema_visual']
47
48     cursor.execute("UPDATE utrau_usuarios SET ultima_conexion = CURRENT_TIMESTAMP WHERE id_usuario = %s", (user['id_usuario'],))
49
50     db.commit()
51     return redirect(url_for('index'))
52
53 except Exception as e:
54     db.rollback()
55     return render_template('login.html', error=f"Error interno: {str(e)}")
56 finally:
57     cursor.close()
58     db.close()
59
60
61 @auth_bp.route('/toggle_theme')
62 def toggle_theme():
63     if 'user_id' not in session:

```

```

64         return redirect(url_for('auth.login'))
65
66     nuevo_tema = 1 if session.get('tema_visual', 0) == 0 else 0
67
68     try:
69         db = get_connection()
70         cursor = db.cursor()
71         cursor.execute("UPDATE utrau_usuarios SET tema_visual = %s WHERE id_usuario = %s", (nuevo_tema, session['user_id']))
72         db.commit()
73     except Exception as e:
74         pass
75     finally:
76         cursor.close()
77         db.close()
78
79     session['tema_visual'] = nuevo_tema
80     return redirect(request.referrer or url_for('index'))
81
82 @auth_bp.route('/logout')
83 def logout():
84     session.clear()
85     return redirect(url_for('auth.login'))

```

crear_admin.py

```

1  from backend.db_core import get_connection
2
3  def crear_super_admin():
4      db = get_connection()
5      cursor = db.cursor()
6
7      try:
8          cursor.execute("SELECT * FROM utrau_usuarios WHERE alias = 'ADMIN'")
9          if cursor.fetchone():
10             print("El usuario ADMIN ya existe en la base de datos.")
11         else:
12             cursor.execute("""
13                 INSERT INTO utrau_usuarios (alias, nombre_completo, pin_firma, rol, estado)
14                 VALUES ('ADMIN', 'Administrador del Sistema', '1414', 4, 'ACTIVO')

```

```

15         """
16         db.commit()
17         print("✅ ¡Super Admin creado con éxito! Alias: ADMIN | PIN: 1414")
18
19         cursor.execute("UPDATE utrau_terminales_activas SET estado = 'CONECTADO' WHERE estado = 'PENDIENTE'")
20         db.commit()
21         print("✅ Todas las terminales bloqueadas han sido liberadas.")
22
23     except Exception as e:
24         print(f"❌ Error al crear el administrador: {e}")
25         db.rollback()
26     finally:
27         cursor.close()
28         db.close()
29
30 if __name__ == '__main__':
31     crear_super_admin()

```

rutas_agenda.py

```

1 from flask import Blueprint, render_template, request, session, jsonify
2 from backend.db_core import get_connection
3 from backend.security import requiere_login, requiere_ejecutivo
4 from datetime import datetime
5
6 agenda_bp = Blueprint('agenda', __name__, url_prefix='/agenda')
7
8 @agenda_bp.route('/')
9 @requiere_login
10 def vista_agenda():
11     db = get_connection()
12     cursor = db.cursor(dictionary=True)
13     cursor.execute("SELECT id_usuario, alias, nombre_completo, path_foto FROM utrau_usuarios WHERE rol != 4 AND estado = 'ACTIVO' ORDER BY nombre_completo")
14     lista_usuarios = cursor.fetchall()
15     cursor.close()
16     db.close()
17
18     return render_template('agenda.html',

```

```
19         user_nom=session.get('user_alias'),
20         user_rol=session.get('user_rol'),
21         user_id=session.get('user_id'),
22         lista_usuarios=lista_usuarios)
23
24 @agenda_bp.route('/api/eventos', methods=['GET'])
25 @requiere_login
26 def api_get_eventos():
27     start = request.args.get('start')
28     end = request.args.get('end')
29     user_id = session.get('user_id')
30     user_rol = session.get('user_rol')
31
32     db = get_connection()
33     cursor = db.cursor(dictionary=True)
34
35     try:
36         query = """
37             SELECT a.*, u.nombre_completo as creador_nombre
38             FROM utrau_agenda a
39             JOIN utrau_usuarios u ON a.id_creador = u.id_usuario
40             WHERE (a.fecha_inicio <= %s AND a.fecha_fin >= %s)
41         """
42         cursor.execute(query, (end, start))
43         eventos_db = cursor.fetchall()
44
45         cursor.execute("SELECT id_evento, id_usuario FROM utrau_agenda_participantes")
46         participantes_db = cursor.fetchall()
47
48         part_por_evento = {}
49         for p in participantes_db:
50             if p['id_evento'] not in part_por_evento:
51                 part_por_evento[p['id_evento']] = []
52             part_por_evento[p['id_evento']].append(p['id_usuario'])
53
54         eventos_fc = []
55         for e in eventos_db:
56             ev_id = e['id_evento']
57             participantes = part_por_evento.get(ev_id, [])
```

```
58
59 puedo_ver_detalles = False
60 if user_rol >= 3:
61     puedo_ver_detalles = True
62 elif e['id_creador'] == user_id or user_id in participantes:
63     puedo_ver_detalles = True
64 elif e['visibilidad'] == 'Institucional':
65     puedo_ver_detalles = True
66
67 if puedo_ver_detalles:
68     color = '#3b82f6'
69     if e['estado'] == 'Fijado': color = '#10b981'
70     elif e['estado'] == 'Cerrado': color = '#64748b'
71
72     eventos_fc.append({
73         'id': ev_id,
74         'title': e['titulo'],
75         'start': e['fecha_inicio'].isoformat(),
76         'end': e['fecha_fin'].isoformat(),
77         'allDay': bool(e['es_jornada_completa']),
78         'backgroundColor': color,
79         'borderColor': color,
80         'extendedProps': {
81             'descripcion': e['descripcion'],
82             'estado': e['estado'],
83             'visibilidad': e['visibilidad'],
84             'creador': e['creador_nombre'],
85             'soy_creador': (e['id_creador'] == user_id),
86             'participantes': len(participantes)
87         }
88     })
89 else:
90     eventos_fc.append({
91         'id': ev_id,
92         'title': 'Ocupado',
93         'start': e['fecha_inicio'].isoformat(),
94         'end': e['fecha_fin'].isoformat(),
95         'allDay': bool(e['es_jornada_completa']),
96         'backgroundColor': '#e2e8f0',
```

```
97         'borderColor': '#cbd5e1',
98         'textColor': '#64748b',
99         'extendedProps': {
100             'estado': 'Privado',
101             'visibilidad': 'Privado'
102         }
103     })
104
105     return jsonify(eventos_fc)
106 finally:
107     cursor.close()
108     db.close()
109
110 @agenda_bp.route('/api/eventos', methods=['POST'])
111 @requiere_login
112 def api_crear_evento():
113     data = request.json
114     user_id = session.get('user_id')
115     user_rol = session.get('user_rol')
116
117     if user_rol < 2:
118         return jsonify({'success': False, 'error': 'No tienes permisos de Directiva para proponer reuniones en la Agenda.'}), 403
119
120     titulo = data.get('titulo')
121     descripcion = data.get('descripcion', '')
122     start = data.get('start')
123     end = data.get('end')
124     allDay = 1 if data.get('allDay') else 0
125     visibilidad = data.get('visibilidad', 'Solo Participantes')
126     participantes = data.get('participantes', [])
127
128     if not titulo or not start or not end:
129         return jsonify({'success': False, 'error': 'Faltan datos obligatorios.'}), 400
130
131     db = get_connection()
132     cursor = db.cursor()
133
134     try:
135         sql_evento = """
```

```

136         INSERT INTO utrau_agenda (titulo, descripcion, fecha_inicio, fecha_fin, es_jornada_completa, estado, visibilidad, id_creador)
137         VALUES (%s, %s, %s, %s, %s, 'Propuesto', %s, %s)
138     """
139     cursor.execute(sql_evento, (titulo, descripcion, start, end, allDay, visibilidad, user_id))
140     nuevo_id = cursor.lastrowid
141
142     participantes_set = set(participantes)
143     participantes_set.add(str(user_id))
144
145     for p_id in participantes_set:
146         cursor.execute("INSERT INTO utrau_agenda_participantes (id_evento, id_usuario) VALUES (%s, %s)", (nuevo_id, p_id))
147
148     db.commit()
149     return jsonify({'success': True, 'id_evento': nuevo_id})
150 except Exception as e:
151     db.rollback()
152     return jsonify({'success': False, 'error': str(e)}), 500
153 finally:
154     cursor.close()
155     db.close()
156
157 @agenda_bp.route('/api/eventos/estado', methods=['POST'])
158 @requiere_ejecutivo
159 def api_cambiar_estado():
160     data = request.json
161     id_evento = data.get('id_evento')
162     nuevo_estado = data.get('estado')
163     user_id = session.get('user_id')
164
165     if nuevo_estado not in ['Fijado', 'Cerrado']:
166         return jsonify({'success': False, 'error': 'Estado no válido.'}), 400
167
168     db = get_connection()
169     cursor = db.cursor()
170     try:
171         if nuevo_estado == 'Fijado':
172             cursor.execute("UPDATE utrau_agenda SET estado = %s, id_fijador = %s WHERE id_evento = %s", (nuevo_estado, user_id, id_evento))
173         elif nuevo_estado == 'Cerrado':
174             cursor.execute("UPDATE utrau_agenda SET estado = %s, id_cerrador = %s WHERE id_evento = %s", (nuevo_estado, user_id, id_evento))

```

```
175         db.commit()
176         return jsonify({'success': True})
177     except Exception as e:
178         db.rollback()
179         return jsonify({'success': False, 'error': str(e)}), 500
180     finally:
181         cursor.close()
182         db.close()
```

rutasy_config.py

```
1  from flask import Blueprint, render_template, redirect, url_for, request, session, flash, jsonify
2  from backend.db_core import get_connection
3  from backend.security import requiere_ejecutivo
4  import os
5  from datetime import datetime
6  from backend.utils import guardar_archivo, procesar_firma_transparente
7
8  config_bp = Blueprint('config', __name__, url_prefix='/configuracion')
9
10 @config_bp.route('/')
11 @requiere_ejecutivo
12 def panel():
13     return render_template('config_panel.html', user_nom=session.get('user_alias'))
14
15 @config_bp.route('/terminales')
16 @requiere_ejecutivo
17 def terminales():
18     db = get_connection()
19     cursor = db.cursor(dictionary=True)
20     cursor.execute("""
21         SELECT t.*, u.alias, u.nombre_completo, u.path_foto
22         FROM utrau_terminales_activas t
23         LEFT JOIN utrau_usuarios u ON t.id_usuario_actual = u.id_usuario
24         ORDER BY FIELD (t.estado, 'PENDIENTE', 'CONECTADO', 'DESCONECTADO'), t.ultima_conexion DESC
25     """)
26     lista_terminales = cursor.fetchall()
27     cursor.close()
28     db.close()
```



```
29     return render_template('config_terminales.html', terminales=lista_terminales, user_nom=session.get('user_alias'))
30
31 @config_bp.route('/terminales/accion/<uuid>/<accion>')
32 @requiere_ejecutivo
33 def accion_terminal (uuid, accion):
34     db = get_connection()
35     cursor = db.cursor()
36     try:
37         if accion == 'eliminar':
38             cursor.execute("DELETE FROM utrau_terminales_activas WHERE uuid_terminal = %s", (uuid,))
39             flash('Terminal eliminada correctamente del sistema.', 'success')
40         else:
41             estado = 'CONECTADO' if accion == 'autorizar' else 'DESCONECTADO'
42             cursor.execute("UPDATE utrau_terminales_activas SET estado = %s, version = version + 1 WHERE uuid_terminal = %s", (estado, uuid))
43             flash('Terminal autorizada con éxito.' if accion == 'autorizar' else 'Terminal bloqueada.', 'success' if accion == 'autorizar' else
'warning')
44             db.commit()
45     except Exception as e:
46         db.rollback()
47         flash('Error de base de datos.', 'error')
48     finally:
49         cursor.close()
50         db.close()
51     return redirect(url_for('config.terminales'))
52
53 @config_bp.route('/cargos')
54 @requiere_ejecutivo
55 def cargos():
56     db = get_connection()
57     cursor = db.cursor(dictionary=True)
58     cursor.execute("SELECT * FROM utrau_cargos ORDER BY orden ASC")
59     lista_cargos = cursor.fetchall()
60     cursor.close()
61     db.close()
62     return render_template('config_cargos.html', user_nom=session.get('user_alias'), lista_cargos=lista_cargos)
63
64 @config_bp.route('/cargos/guardar', methods=['POST'])
65 @requiere_ejecutivo
66 def guardar_cargo():
```

```

67 id_cargo = request.form.get('id_cargo')
68 nombre_cargo = request.form.get('nombre_cargo').strip()
69 es_ejecutivo = 1 if request.form.get('es_ejecutivo') == 'on' else 0
70 orden = request.form.get('orden', 0)
71 version_actual = request.form.get('version', 1)
72
73 db = get_connection()
74 cursor = db.cursor()
75 try:
76     if id_cargo:
77         cursor.execute("UPDATE utrau_cargos SET nombre_cargo = %s, es_ejecutivo = %s, orden = %s, version = version + 1 WHERE id_cargo = %s
AND version = %s",
78                         (nombre_cargo, es_ejecutivo, orden, id_cargo, version_actual))
79         if cursor.rowcount == 0:
80             flash('Conflicto detectado: Cargo modificado por otro usuario.', 'error')
81         else:
82             flash (f'Cargo "{nombre_cargo}" actualizado.', 'success')
83     else:
84         cursor.execute("INSERT INTO utrau_cargos (nombre_cargo, es_ejecutivo, orden) VALUES (%s, %s, %s)", (nombre_cargo, es_ejecutivo,
orden))
85         flash (f'Nuevo cargo "{nombre_cargo}" registrado.', 'success')
86         db.commit()
87 except Exception as e:
88     db.rollback()
89     flash('Error en la base de datos.', 'error')
90 finally:
91     cursor.close()
92     db.close()
93 return redirect(url_for('config.cargos'))
94
95 @config_bp.route('/usuarios')
96 @requiere_ejecutivo
97 def usuarios():
98     db = get_connection()
99     cursor = db.cursor(dictionary=True)
100     cursor.execute("""
101         SELECT u.*, s.nombre as nombre_sector, e.nombre_fantasia as nombre_empresa
102         FROM utrau_usuarios u
103         LEFT JOIN utrau_sectores s ON u.id_sector = s.id_sector

```

```
104         LEFT JOIN utrau_empresas e ON u.id_empresa = e.id_empresa
105         WHERE u.rol != 4 ORDER BY u.nombre_completo ASC
106     """)
107     lista_usuarios = cursor.fetchall()
108
109     cursor.execute("SELECT * FROM utrau_sectores ORDER BY nombre ASC")
110     lista_sectores = cursor.fetchall()
111
112     cursor.execute("SELECT id_empresa, nombre_fantasia FROM utrau_empresas ORDER BY nombre_fantasia ASC")
113     lista_empresas = cursor.fetchall()
114
115     cursor.close()
116     db.close()
117     return render_template('config_usuarios.html',
118                           user_nom=session.get('user_alias'),
119                           lista_usuarios=lista_usuarios,
120                           lista_sectores=lista_sectores,
121                           lista_empresas=lista_empresas)
122
123 @config_bp.route('/usuarios/guardar', methods=['POST'])
124 @requiere_ejecutivo
125 def guardar_usuario():
126     id_usuario = request.form.get('id_usuario')
127     alias = request.form.get('alias').strip()
128     nombre_completo = request.form.get('nombre_completo').strip()
129     pin_firma = request.form.get('pin_firma').strip()
130     estado = request.form.get('estado', 'ACTIVO')
131     version_actual = request.form.get('version', 1)
132
133     tipo_documento = request.form.get('tipo_documento', 'CI')
134     cedula_identidad = request.form.get('cedula_identidad', '').strip()
135     fecha_nacimiento = request.form.get('fecha_nacimiento') or None
136     whatsapp = request.form.get('whatsapp', '').strip()
137     celular = request.form.get('celular', '').strip()
138     email = request.form.get('email', '').strip()
139     fecha_ingreso = request.form.get('fecha_ingreso') or None
140     id_sector = request.form.get('id_sector') or None
141     id_empresa = request.form.get('id_empresa') or None
142     tipo_contrato = request.form.get('tipo_contrato', 'MENSUAL')
```

```

143
144 db = get_connection()
145 cursor = db.cursor()
146 try:
147     cursor.execute("SELECT id_usuario FROM utrau_usuarios WHERE alias = %s AND id_usuario != %s", (alias, id_usuario if id_usuario else 0))
148     if cursor.fetchone():
149         flash(f'El alias "{alias}" ya está en uso.', 'error')
150         return redirect(url_for('config.usuarios'))
151
152     archivos_paths = {}
153     for campo_file in ['foto', 'cedula_frente', 'cedula_atras', 'firma']:
154         if campo_file in request.files:
155             archivo = request.files[campo_file]
156             if archivo.filename != '':
157                 ruta = guardar_archivo(archivo, campo_file.upper(), alias)
158                 if campo_file == 'firma' and ruta:
159                     ruta_transparente = procesar_firma_transparente(ruta)
160                     archivos_paths['path_firma'] = ruta_transparente or ruta
161                 else:
162                     archivos_paths[f'path_{campo_file}'] = ruta
163
164     if id_usuario:
165         update_sql = """UPDATE utrau_usuarios SET
166             alias=%s, nombre_completo=%s, estado=%s,
167             tipo_documento=%s, cedula_identidad=%s, fecha_nacimiento=%s,
168             whatsapp=%s, celular=%s, email=%s, fecha_ingreso=%s,
169             id_sector=%s, id_empresa=%s, tipo_contrato=%s, version=version+1
170         """
171         params = [alias, nombre_completo, estado, tipo_documento, cedula_identidad, fecha_nacimiento, whatsapp, celular, email,
172 fecha_ingreso, id_sector, id_empresa, tipo_contrato]
173
174         if pin_firma:
175             update_sql += ", pin_firma=%s"
176             params.append(pin_firma)
177
178         for col, rut in archivos_paths.items():
179             update_sql += f", {col}=%s"
180             params.append(rut)

```

```

181     update_sql += " WHERE id_usuario=%s AND version=%s"
182     params.extend([id_usuario, version_actual])
183
184     cursor.execute(update_sql, tuple(params))
185
186     if cursor.rowcount == 0:
187         flash('Conflicto: El legajo fue modificado desde otra terminal.', 'error')
188     else:
189         flash(f'Legajo de {nombre_completo} actualizado con éxito.', 'success')
190         cursor.execute("INSERT INTO utrau_auditoria_historica (tabla_afectada, id_registro, accion, id_usuario) VALUES (%s, %s, %s, %s)",
191                        ('utrau_usuarios', id_usuario, 'UPDATE', session.get('user_id')))
192     else:
193         rol_base = 1
194         cols = ['alias', 'nombre_completo', 'pin_firma', 'rol', 'estado', 'tipo_documento', 'cedula_identidad', 'fecha_nacimiento',
195                'whatsapp', 'celular', 'email', 'fecha_ingreso', 'id_sector', 'id_empresa', 'tipo_contrato']
196         vals = [alias, nombre_completo, pin_firma, rol_base, estado, tipo_documento, cedula_identidad, fecha_nacimiento, whatsapp, celular,
197                email, fecha_ingreso, id_sector, id_empresa, tipo_contrato]
198
199         for col, rut in archivos_paths.items():
200             cols.append(col)
201             vals.append(rut)
202
203         placeholders = ', '.join(['%s'] * len(cols))
204         sql = f"INSERT INTO utrau_usuarios ({', '.join(cols)}) VALUES ({placeholders})"
205         cursor.execute(sql, tuple(vals))
206         nuevo_id = cursor.lastrowid
207
208         flash(f'Compañero {nombre_completo} registrado en el padrón.', 'success')
209         cursor.execute("INSERT INTO utrau_auditoria_historica (tabla_afectada, id_registro, accion, id_usuario) VALUES (%s, %s, %s, %s)",
210                        ('utrau_usuarios', nuevo_id, 'INSERT', session.get('user_id')))
211     db.commit()
212 except Exception as e:
213     db.rollback()
214     flash(f'Error en la base de datos: {str(e)}', 'error')
215 finally:
216     cursor.close()
217     db.close()
218 return redirect(url_for('config.usuarios'))
219

```

```

220 @config_bp.route('/sectores/ajax_add', methods=['POST'])
221 @requiere_ejecutivo
222 def ajax_add_sector():
223     codigo = request.form.get('codigo').strip()
224     nombre = request.form.get('nombre').strip()
225     db = get_connection()
226     cursor = db.cursor()
227     try:
228         cursor.execute("INSERT INTO utrau_sectores (codigo, nombre) VALUES (%s, %s)", (codigo, nombre))
229         db.commit()
230         return jsonify({'success': True, 'id_sector': cursor.lastrowid, 'codigo': codigo, 'nombre': nombre})
231     except Exception as e:
232         db.rollback()
233         return jsonify({'success': False, 'error': str(e)})
234     finally:
235         cursor.close()
236         db.close()
237
238 @config_bp.route('/empresas/ajax_add', methods=['POST'])
239 @requiere_ejecutivo
240 def ajax_add_empresa():
241     nombre = request.form.get('nombre').strip()
242     db = get_connection()
243     cursor = db.cursor()
244     try:
245         cursor.execute("INSERT INTO utrau_empresas (nombre_fantasia, nombre_fiscal) VALUES (%s, %s)", (nombre, nombre))
246         db.commit()
247         return jsonify({'success': True, 'id_empresa': cursor.lastrowid, 'nombre': nombre})
248     except Exception as e:
249         db.rollback()
250         return jsonify({'success': False, 'error': str(e)})
251     finally:
252         cursor.close()
253         db.close()
254
255 # =====
256 # MÓDULO: CRM DE EMPRESAS Y ORGANISMOS
257 # =====
258 @config_bp.route('/empresas')

```

```

259 @requiere_ejecutivo
260 def empresas():
261     db = get_connection()
262     cursor = db.cursor(dictionary=True)
263
264     cursor.execute("SELECT * FROM utrau_empresas ORDER BY nombre_fantasia ASC")
265     lista_empresas = cursor.fetchall()
266
267     cursor.execute("SELECT * FROM utrau_contactos ORDER BY nombre ASC")
268     contactos = cursor.fetchall()
269
270     for emp in lista_empresas:
271         emp['contactos'] = [c for c in contactos if c['id_empresa'] == emp['id_empresa']]
272
273     cursor.close()
274     db.close()
275     return render_template('config_empresas.html', user_nom=session.get('user_alias'), lista_empresas=lista_empresas)
276
277 @config_bp.route('/empresas/guardar', methods=['POST'])
278 @requiere_ejecutivo
279 def guardar_empresa_crm():
280     id_empresa = request.form.get('id_empresa')
281     nombre_fantasia = request.form.get('nombre_fantasia', '').strip()
282     nombre_fiscal = request.form.get('nombre_fiscal', '').strip()
283     rut = request.form.get('rut', '').strip()
284     direccion = request.form.get('direccion', '').strip()
285     localidad = request.form.get('localidad', '').strip()
286     departamento = request.form.get('departamento', '').strip()
287     mail_oficial = request.form.get('mail_oficial', '').strip()
288     cant_trabajadores = request.form.get('cant_trabajadores')
289     tipo = request.form.get('tipo', 'Empresa')
290     estado = request.form.get('estado', 'Activa')
291
292     if not cant_trabajadores or cant_trabajadores == '':
293         cant_trabajadores = 0
294
295     db = get_connection()
296     cursor = db.cursor()
297     try:

```

```

298     if id_empresa:
299         cursor.execute("""
300             UPDATE utrau_empresas SET
301             nombre_fantasia=%s, nombre_fiscal=%s, rut=%s, direccion=%s,
302             localidad=%s, departamento=%s, mail_oficial=%s, cant_trabajadores=%s,
303             tipo=%s, estado=%s
304             WHERE id_empresa=%s
305             """, (nombre_fantasia, nombre_fiscal, rut, direccion, localidad, departamento, mail_oficial, cant_trabajadores, tipo, estado,
id_empresa))
306         flash('Registro institucional actualizado.', 'success')
307     else:
308         cursor.execute("""
309             INSERT INTO utrau_empresas
310             (nombre_fantasia, nombre_fiscal, rut, direccion, localidad, departamento, mail_oficial, cant_trabajadores, tipo, estado)
311             VALUES (%s, %s, %s, %s, %s, %s, %s, %s, %s, %s)
312             """, (nombre_fantasia, nombre_fiscal, rut, direccion, localidad, departamento, mail_oficial, cant_trabajadores, tipo, estado))
313         flash('Nueva entidad registrada correctamente.', 'success')
314     db.commit()
315 except Exception as e:
316     db.rollback()
317     flash(f'Error al guardar en base de datos: {e}', 'error')
318 finally:
319     cursor.close()
320     db.close()
321     return redirect(url_for('config.empresas'))
322
323 @config_bp.route('/empresas/contacto/guardar', methods=['POST'])
324 @requiere_ejecutivo
325 def guardar_contacto():
326     id_empresa = request.form.get('id_empresa_contacto')
327     nombre = request.form.get('nombre_contacto').strip()
328     cargo = request.form.get('cargo_contacto').strip()
329     celular = request.form.get('celular_contacto').strip()
330     email = request.form.get('email_contacto').strip()
331
332     db = get_connection()
333     cursor = db.cursor()
334     try:
335         cursor.execute("""

```



```

336         INSERT INTO utrau_contactos (id_empresa, nombre, cargo, celular_whatsapp, email)
337         VALUES (%s, %s, %s, %s, %s)
338         """, (id_empresa, nombre, cargo, celular, email))
339         db.commit()
340         flash('Contacto agregado exitosamente al expediente.', 'success')
341     except Exception as e:
342         db.rollback()
343         flash(f'Error al guardar contacto: {e}', 'error')
344     finally:
345         cursor.close()
346         db.close()
347     return redirect(url_for('config.empresas'))
348
349 @config_bp.route('/asignaciones')
350 @requiere_ejecutivo
351 def asignaciones():
352     db = get_connection()
353     cursor = db.cursor(dictionary=True)
354     cursor.execute("""
355         SELECT a.*, u.nombre_completo, u.alias, u.path_foto, c.nombre_cargo, c.es_ejecutivo
356         FROM utrau_asignaciones a
357         JOIN utrau_usuarios u ON a.id_usuario = u.id_usuario
358         JOIN utrau_cargos c ON a.id_cargo = c.id_cargo
359         ORDER BY a.fecha_fin IS NOT NULL, c.orden ASC, a.fecha_inicio DESC
360     """)
361     lista_asignaciones = cursor.fetchall()
362
363     cursor.execute("SELECT id_usuario, alias, nombre_completo FROM utrau_usuarios WHERE rol != 4 AND estado = 'ACTIVO' ORDER BY nombre_completo
364     ASC")
365     lista_usuarios = cursor.fetchall()
366
367     cursor.execute("SELECT id_cargo, nombre_cargo, es_ejecutivo FROM utrau_cargos ORDER BY orden ASC")
368     lista_cargos = cursor.fetchall()
369
370     cursor.close()
371     db.close()
372     return render_template('config_asignaciones.html',
373                           user_nom=session.get('user_alias'),
374                           lista_asignaciones=lista_asignaciones,

```

```

374         lista_usuarios=lista_usuarios,
375         lista_cargos=lista_cargos)
376
377 @config_bp.route('/asignaciones/guardar', methods=['POST'])
378 @requiere_ejecutivo
379 def guardar_asignacion():
380     id_asignacion = request.form.get('id_asignacion')
381     id_usuario = request.form.get('id_usuario')
382     id_cargo = request.form.get('id_cargo')
383     fecha_inicio = request.form.get('fecha_inicio')
384     fecha_fin = request.form.get('fecha_fin') or None
385     version_actual = request.form.get('version', 1)
386
387     db = get_connection()
388     cursor = db.cursor()
389     try:
390         cursor.execute("SELECT es_ejecutivo FROM utrau_cargos WHERE id_cargo = %s", (id_cargo,))
391         cargo_info = cursor.fetchone()
392         es_ejecutivo = cargo_info[0] if cargo_info else 0
393
394         rol_a_asignar = 3 if es_ejecutivo else 2
395         if fecha_fin:
396             rol_a_asignar = 1
397
398         if id_asignacion:
399             cursor.execute("""
400                 UPDATE utrau_asignaciones
401                 SET id_usuario=%s, id_cargo=%s, fecha_inicio=%s, fecha_fin=%s, version=version+1
402                 WHERE id_asignacion=%s AND version=%s
403             """, (id_usuario, id_cargo, fecha_inicio, fecha_fin, id_asignacion, version_actual))
404
405             if cursor.rowcount == 0:
406                 flash('Conflicto: La asignación fue modificada por otro usuario.', 'error')
407             else:
408                 flash('Asignación actualizada correctamente.', 'success')
409                 cursor.execute("INSERT INTO utrau_auditoria_historica (tabla_afectada, id_registro, accion, id_usuario) VALUES (%s, %s, %s, %s)",
410                             ('utrau_asignaciones', id_asignacion, 'UPDATE', session.get('user_id')))
411         else:
412             cursor.execute("""

```

```

413         INSERT INTO utrau_asignaciones (id_usuario, id_cargo, fecha_inicio, fecha_fin)
414         VALUES (%s, %s, %s, %s)
415         """, (id_usuario, id_cargo, fecha_inicio, fecha_fin))
416     nuevo_id = cursor.lastrowid
417     flash('Compañero asignado al cargo con éxito. Permisos de rol actualizados.', 'success')
418     cursor.execute("INSERT INTO utrau_auditoria_historica (tabla_afectada, id_registro, accion, id_usuario) VALUES (%s, %s, %s, %s)",
419                   ('utrau_asignaciones', nuevo_id, 'INSERT', session.get('user_id')))
420
421     cursor.execute("UPDATE utrau_usuarios SET rol = %s WHERE id_usuario = %s AND rol != 4", (rol_a_asignar, id_usuario))
422     db.commit()
423 except Exception as e:
424     db.rollback()
425     flash(f'Error en la base de datos: {str(e)}', 'error')
426 finally:
427     cursor.close()
428     db.close()
429     return redirect(url_for('config.asignaciones'))

```

rutas_conflictos.py

```

1  from flask import Blueprint, render_template, request, session, redirect, url_for, flash, jsonify
2  from backend.db_core import get_connection
3  from backend.security import requiere_login, requiere_ejecutivo
4  import os
5  import time
6  from werkzeug.utils import secure_filename
7
8  conflictos_bp = Blueprint('conflictos', __name__, url_prefix='/conflictos')
9
10 @conflictos_bp.route('/')
11 @requiere_login
12 def index():
13     db = get_connection()
14     cursor = db.cursor(dictionary=True)
15     user_id = session.get('user_id')
16     user_rol = session.get('user_rol')
17
18     # Lógica de Visibilidad (Need to Know)
19     # Ejecutivos (3) y Admin (4) ven todo el tablero.

```

```

20 # Directiva (2) y Base (1) ven solo donde son responsables o participantes.
21 if user_rol >= 3:
22     cursor.execute("""
23         SELECT c.*, e.nombre_fantasia as empresa_nombre, u.nombre_completo as responsable_nombre
24         FROM utrau_conflictos c
25         JOIN utrau_empresas e ON c.id_empresa = e.id_empresa
26         JOIN utrau_usuarios u ON c.id_responsable = u.id_usuario
27         ORDER BY c.estado ASC, c.fecha_creacion DESC
28     """)
29 else:
30     cursor.execute("""
31         SELECT c.*, e.nombre_fantasia as empresa_nombre, u.nombre_completo as responsable_nombre
32         FROM utrau_conflictos c
33         JOIN utrau_empresas e ON c.id_empresa = e.id_empresa
34         JOIN utrau_usuarios u ON c.id_responsable = u.id_usuario
35         LEFT JOIN utrau_conflictos_participantes cp ON c.id_conflicto = cp.id_conflicto
36         WHERE c.id_responsable = %s OR cp.id_usuario = %s
37         GROUP BY c.id_conflicto
38         ORDER BY c.estado ASC, c.fecha_creacion DESC
39     """, (user_id, user_id))
40
41 lista_conflictos = cursor.fetchall()
42
43 # Datos para el modal de "Nuevo Conflicto" (Solo Ejecutivos pueden crear)
44 empresas = []
45 responsables = []
46 if user_rol >= 3:
47     cursor.execute("SELECT id_empresa, nombre_fantasia FROM utrau_empresas WHERE estado = 'Activa' ORDER BY nombre_fantasia")
48     empresas = cursor.fetchall()
49     cursor.execute("SELECT id_usuario, nombre_completo FROM utrau_usuarios WHERE estado = 'ACTIVO' AND rol >= 2 ORDER BY nombre_completo")
50     responsables = cursor.fetchall()
51
52 cursor.close()
53 db.close()
54
55 return render_template('conflictos_lista.html',
56                       conflictos=lista_conflictos,
57                       empresas=empresas,
58                       responsables=responsables,

```

```

59         user_nom=session.get('user_alias'),
60         user_rol=user_rol)
61
62 @conflictos_bp.route('/crear', methods=['POST'])
63 @requiere_ejecutivo
64 def crear():
65     titulo = request.form.get('titulo').strip()
66     id_empresa = request.form.get('id_empresa')
67     ambito = request.form.get('ambito')
68     id_responsable = request.form.get('id_responsable')
69
70     if not titulo or not id_empresa or not id_responsable:
71         flash('Faltan datos obligatorios para iniciar el expediente.', 'error')
72         return redirect(url_for('conflictos.index'))
73
74     db = get_connection()
75     cursor = db.cursor()
76     try:
77         # 1. Creamos el expediente
78         cursor.execute("""
79             INSERT INTO utrau_conflictos (titulo, id_empresa, ambito, estado, id_responsable)
80             VALUES (%s, %s, %s, 'Activo', %s)
81             """, (titulo, id_empresa, ambito, id_responsable))
82         nuevo_id = cursor.lastrowid
83
84         # 2. Asignamos al responsable automáticamente como participante
85         cursor.execute("INSERT INTO utrau_conflictos_participantes (id_conflicto, id_usuario) VALUES (%s, %s)", (nuevo_id, id_responsable))
86
87         # 3. Primera entrada en la Bitácora (Automática)
88         texto_inicio = f"Expediente iniciado. Ámbito designado: {ambito}."
89         cursor.execute("""
90             INSERT INTO utrau_conflictos_bitacora (id_conflicto, id_usuario, descripcion)
91             VALUES (%s, %s, %s)
92             """, (nuevo_id, session.get('user_id'), texto_inicio))
93
94         db.commit()
95         flash('Expediente creado y sellado con éxito.', 'success')
96     except Exception as e:
97         db.rollback()

```

```

98         flash(f'Error al crear el expediente: {str(e)}', 'error')
99     finally:
100         cursor.close()
101         db.close()
102
103     return redirect(url_for('conflictos.index'))
104
105 @conflictos_bp.route('/<int:id_conflicto>')
106 @requiere_login
107 def detalle(id_conflicto):
108     db = get_connection()
109     cursor = db.cursor(dictionary=True)
110     user_id = session.get('user_id')
111     user_rol = session.get('user_rol')
112
113     # 1. Validar acceso al expediente (Seguridad)
114     cursor.execute("SELECT id_responsable FROM utrau_conflictos WHERE id_conflicto = %s", (id_conflicto,))
115     conf_base = cursor.fetchone()
116
117     if not conf_base:
118         cursor.close()
119         db.close()
120         flash('El expediente solicitado no existe.', 'error')
121         return redirect(url_for('conflictos.index'))
122
123     cursor.execute("SELECT id_usuario FROM utrau_conflictos_participantes WHERE id_conflicto = %s AND id_usuario = %s", (id_conflicto, user_id))
124     es_participante = cursor.fetchone()
125
126     if user_rol < 3 and not es_participante and conf_base['id_responsable'] != user_id:
127         cursor.close()
128         db.close()
129         flash('Acceso denegado. Este expediente es confidencial.', 'error')
130         return redirect(url_for('conflictos.index'))
131
132     # 2. Cargar datos maestros del conflicto
133     cursor.execute("""
134         SELECT c.*, e.nombre_fantasia as empresa_nombre, e.rut as empresa_rut, u.nombre_completo as responsable_nombre
135         FROM utrau_conflictos c
136         JOIN utrau_empresas e ON c.id_empresa = e.id_empresa

```

```
137         JOIN utrau_usuarios u ON c.id_responsable = u.id_usuario
138         WHERE c.id_conflicto = %s
139     """, (id_conflicto,))
140     conflicto = cursor.fetchone()
141
142 # 3. Cargar Bitácora (Orden cronológico inverso)
143     cursor.execute("""
144         SELECT b.*, u.nombre_completo as autor, u.path_foto as autor_foto
145         FROM utrau_conflictos_bitacora b
146         JOIN utrau_usuarios u ON b.id_usuario = u.id_usuario
147         WHERE b.id_conflicto = %s
148         ORDER BY b.timestamp DESC
149     """, (id_conflicto,))
150     bitacora = cursor.fetchall()
151
152 # 4. Cargar Documentos
153     cursor.execute("""
154         SELECT d.*, u.alias as subido_por
155         FROM utrau_conflictos_docs d
156         JOIN utrau_usuarios u ON d.id_usuario = u.id_usuario
157         WHERE d.id_conflicto = %s
158         ORDER BY d.fecha_carga DESC
159     """, (id_conflicto,))
160     documentos = cursor.fetchall()
161
162 # 5. Cargar Participantes asignados
163     cursor.execute("""
164         SELECT p.id_usuario, u.nombre_completo, u.path_foto
165         FROM utrau_conflictos_participantes p
166         JOIN utrau_usuarios u ON p.id_usuario = u.id_usuario
167         WHERE p.id_conflicto = %s
168     """, (id_conflicto,))
169     participantes_actuales = cursor.fetchall()
170
171 # 6. Lista para agregar nuevos participantes (Solo usuarios activos que no estén en el caso)
172     cursor.execute("""
173         SELECT id_usuario, nombre_completo
174         FROM utrau_usuarios
175         WHERE estado = 'ACTIVO' AND id_usuario NOT IN (
```

```
176         SELECT id_usuario FROM utrau_conflictos_participantes WHERE id_conflicto = %s
177     ) ORDER BY nombre_completo
178     """, (id_conflicto,))
179     usuarios_disponibles = cursor.fetchall()
180
181     cursor.close()
182     db.close()
183
184     return render_template('conflictos_detalle.html',
185                           conflicto=conflicto,
186                           bitacora=bitacora,
187                           documentos=documentos,
188                           participantes=participantes_actuales,
189                           usuarios_disponibles=usuarios_disponibles,
190                           user_nom=session.get('user_alias'),
191                           user_rol=user_rol,
192                           user_id=user_id)
193
194 @conflictos_bp.route('/<int:id_conflicto>/bitacora', methods=['POST'])
195 @requiere_login
196 def agregar_bitacora(id_conflicto):
197     descripcion = request.form.get('descripcion').strip()
198     if not descripcion:
199         return redirect(url_for('conflictos_detalle', id_conflicto=id_conflicto))
200
201     db = get_connection()
202     cursor = db.cursor()
203     try:
204         cursor.execute("""
205             INSERT INTO utrau_conflictos_bitacora (id_conflicto, id_usuario, descripcion)
206             VALUES (%s, %s, %s)
207             """, (id_conflicto, session.get('user_id'), descripcion))
208         db.commit()
209     except Exception as e:
210         db.rollback()
211         flash(f'Error al registrar en bitácora: {str(e)}', 'error')
212     finally:
213         cursor.close()
214         db.close()
```



```
215     return redirect(url_for('conflictos.detalle', id_conflicto=id_conflicto))
216
217
218 @conflictos_bp.route('/<int:id_conflicto>/documento', methods=['POST'])
219 @requiere_login
220 def subir_documento(id_conflicto):
221     if 'archivo' not in request.files:
222         flash('No se detectó ningún archivo.', 'error')
223         return redirect(url_for('conflictos.detalle', id_conflicto=id_conflicto))
224
225     archivo = request.files['archivo']
226     if archivo.filename == '':
227         flash('El archivo está vacío.', 'error')
228         return redirect(url_for('conflictos.detalle', id_conflicto=id_conflicto))
229
230     tipo_doc = request.form.get('tipo_documento', 'Otro')
231     desc_corta = request.form.get('descripcion_corta', '').strip()
232
233     # Estructura de carpetas: /static/uploads/conflictos/ID_DEL_CONFLICTO/
234     base_folder = os.path.join('static', 'uploads', 'conflictos')
235     upload_folder = os.path.join(base_folder, str(id_conflicto))
236
237     # Creamos el directorio si no existe
238     os.makedirs(upload_folder, exist_ok=True)
239
240     # Nombre seguro (TimeStamp + Nombre Original) para no pisar archivos
241     filename = secure_filename(archivo.filename)
242     nombre_final = f"{int(time.time())}_{filename}"
243     ruta_guardado = os.path.join(upload_folder, nombre_final)
244
245     # La ruta que guardamos en la base de datos (relativa web)
246     ruta_bd = f"/static/uploads/conflictos/{id_conflicto}/{nombre_final}"
247
248     db = get_connection()
249     cursor = db.cursor()
250     try:
251         archivo.save(ruta_guardado)
252
253         # Guardar en tabla de documentos
```

```

254     cursor.execute("""
255         INSERT INTO utrau_conflictos_docs (id_conflicto, id_usuario, tipo_documento, descripcion_corta, ruta_archivo)
256         VALUES (%s, %s, %s, %s, %s)
257     """, (id_conflicto, session.get('user_id'), tipo_doc, desc_corta, ruta_bd))
258
259     # Dejar rastro automático en la bitácora
260     texto_bitacora = f"📁 Archivo anexado [{tipo_doc}]: {desc_corta}"
261     cursor.execute("""
262         INSERT INTO utrau_conflictos_bitacora (id_conflicto, id_usuario, descripcion)
263         VALUES (%s, %s, %s)
264     """, (id_conflicto, session.get('user_id'), texto_bitacora))
265
266     db.commit()
267     flash('Documento indexado correctamente.', 'success')
268 except Exception as e:
269     db.rollback()
270     flash(f'Fallo al guardar el documento: {str(e)}', 'error')
271 finally:
272     cursor.close()
273     db.close()
274
275     return redirect(url_for('conflictos.detalle', id_conflicto=id_conflicto))
276
277 @conflictos_bp.route('/<int:id_conflicto>/estado', methods=['POST'])
278 @requiere_ejecutivo
279 def cambiar_estado(id_conflicto):
280     nuevo_estado = request.form.get('estado')
281     db = get_connection()
282     cursor = db.cursor()
283     try:
284         cursor.execute("UPDATE utrau_conflictos SET estado = %s WHERE id_conflicto = %s", (nuevo_estado, id_conflicto))
285
286     # Rastro en bitácora
287     texto_bitacora = f"🔒 El estado del expediente ha cambiado a: {nuevo_estado.upper()}"
288     cursor.execute("""
289         INSERT INTO utrau_conflictos_bitacora (id_conflicto, id_usuario, descripcion)
290         VALUES (%s, %s, %s)
291     """, (id_conflicto, session.get('user_id'), texto_bitacora))
292

```

```

293         db.commit()
294         flash(f'Expediente marcado como {nuevo_estado}.', 'success')
295     except Exception as e:
296         db.rollback()
297         flash('Error al actualizar el estado.', 'error')
298     finally:
299         cursor.close()
300         db.close()
301     return redirect(url_for('conflictos.detalle', id_conflicto=id_conflicto))
302
303 @conflictos_bp.route('/<int:id_conflicto>/participantes/agregar', methods=['POST'])
304 @requiere_ejecutivo
305 def agregar_participante(id_conflicto):
306     id_usuario = request.form.get('id_usuario')
307     db = get_connection()
308     cursor = db.cursor()
309     try:
310         cursor.execute("INSERT IGNORE INTO utrau_conflictos_participantes (id_conflicto, id_usuario) VALUES (%s, %s)", (id_conflicto,
311 id_usuario))
312         db.commit()
313         flash('Compañero agregado al equipo del conflicto.', 'success')
314     except Exception as e:
315         db.rollback()
316         flash('Error al asignar participante.', 'error')
317     finally:
318         cursor.close()
319         db.close()
320     return redirect(url_for('conflictos.detalle', id_conflicto=id_conflicto))

```

test_crear.py

```

1 from backend.co_models import Usuario
2 from backend.db_core import SessionLocal
3
4 session = SessionLocal()
5
6 try:
7     # Registramos a alguien de prueba
8     usuario = Usuario.registrar(session, "Gelo", "1234", 1)

```

```
9     print(f"✅ Usuario {usuario.nombre_completo} creado con ID: {usuario.id_usuario}")
10 except Exception as e:
11     session.rollback()
12     print(f"❌ Error: {e}")
13 finally:
14     session.close()
```

test_db.py

```
1 from backend.database import engine
2 from sqlalchemy import text
3
4 try:
5     with engine.connect() as connection:
6         result = connection.execute(text("SELECT DATABASE()"))
7         db_name = result.scalar()
8         print(f"✅ ¡Conexión exitosa! Estás conectado a la base de datos: {db_name}")
9 except Exception as e:
10     print(f"❌ Error al conectar: {e}")
```

test_models.py

```
1 from backend.co_models import Usuario, Conflicto
2 from backend.db_core import engine
3 from sqlalchemy.orm import sessionmaker
4
5 # Creamos una sesión de prueba
6 Session = sessionmaker(bind=engine)
7 session = Session()
8
9 try:
10     # Intentamos consultar la tabla de usuarios
11     usuarios = session.query(Usuario).all()
12     print(f"✅ ¡Modelos listos! Se detectaron {len(usuarios)} usuarios en la tabla.")
13 except Exception as e:
14     print(f"❌ Error al conectar el modelo con la base de datos: {e}")
15 finally:
16     session.close()
```