Evidencia de Modelo Base Datos

CREATE TABLE "Region" (

"id\_region" INTEGER UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"nombre\_region" VARCHAR(80) NOT NULL,

PRIMARY KEY("id\_region")

);

CREATE TABLE "Comuna" (

"id\_comuna" INTEGER,

"nombre\_comuna" VARCHAR(80) NOT NULL,

"id\_region" INTEGER,

PRIMARY KEY("id\_comuna")

);

CREATE TABLE "Sexo" (

"id\_sexo" INTEGER UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"descripcion" VARCHAR(10) NOT NULL,

PRIMARY KEY("id\_sexo")

);

CREATE TABLE "JuntaVecinos" (

"id\_juntavecino" SERIAL,

"nombre\_organizacion" VARCHAR(100) NOT NULL,

"fecha\_integracion" DATE NOT NULL,

"fk\_id\_comuna" INTEGER,

"direccion" VARCHAR(100),

"fk\_rut\_perfil" NUMERIC,

"fecha\_termino" DATE,

PRIMARY KEY("id\_juntavecino")

);

CREATE TABLE "Roles" (

"id\_rol" INTEGER UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"descripcion" VARCHAR(50) NOT NULL,

PRIMARY KEY("id\_rol")

);

CREATE TABLE "Parentesco" (

"id\_parentesco" INTEGER UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"descripcion" VARCHAR(50) NOT NULL,

PRIMARY KEY("id\_parentesco")

);

CREATE TABLE "EstadoPostulacion" (

"id\_estadopostulacion" INTEGER UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"descripcion" VARCHAR(30) NOT NULL,

PRIMARY KEY("id\_estadopostulacion")

);

CREATE TABLE "Perfiles" (

"rut" NUMERIC(10),

"dv" CHAR(1) NOT NULL,

"nombre" VARCHAR(60) NOT NULL,

"apellido" VARCHAR(60) NOT NULL,

"fecha\_nacimiento" DATE NOT NULL,

"id\_sexo" INTEGER,

"id\_parentesco" INTEGER,

"direccion" VARCHAR(100) NOT NULL,

"numero\_contacto" NUMERIC(11) NOT NULL,

"correo\_electronico" VARCHAR(80) NOT NULL,

"fecha\_incorporacion" DATE NOT NULL,

"fecha\_termino" DATE,

"fk\_id\_rol" INTEGER,

"fk\_id\_comuna" INTEGER,

"fk\_id\_estadoperfil" INTEGER,

"fk\_familia" INTEGER,

PRIMARY KEY("rut")

);

CREATE TABLE "Noticias" (

"id\_noticia" SERIAL,

"nombre" VARCHAR(80) NOT NULL,

"descripcion" VARCHAR(180) NOT NULL,

"fecha\_inicio" DATE NOT NULL,

"fecha\_termino" DATE NOT NULL,

"fk\_id\_estadonoticia" INTEGER,

PRIMARY KEY("id\_noticia")

);

CREATE TABLE "Actividad" (

"id\_actividad" SERIAL,

"nombre" VARCHAR(80) NOT NULL,

"descripcion" VARCHAR(180) NOT NULL,

"fecha\_inicio" DATE NOT NULL,

"fecha\_termino" DATE NOT NULL,

"horario\_inicio" TIME NOT NULL,

"horario\_termino" TIME NOT NULL,

"fk\_id\_estadoactividad" INTEGER,

PRIMARY KEY("id\_actividad")

);

CREATE TABLE "CertificadosResi" (

"id\_certificado" INTEGER NOT NULL,

"fk\_id\_juntavecino" INTEGER,

"fk\_rut\_postulante" NUMERIC(10),

"nombre\_pstulante" VARCHAR(120) NOT NULL,

"direccion\_postulante" VARCHAR(120) NOT NULL,

"fecha\_emision" DATE NOT NULL,

"fk\_id\_estadocertificado" INTEGER,

PRIMARY KEY("id\_certificado")

);

CREATE TABLE "PostulacionProyectos" (

"id\_proyecto" SERIAL,

"titulo" VARCHAR(150) NOT NULL,

"descripcion" VARCHAR(500) NOT NULL,

"objetivos" VARCHAR(500) NOT NULL,

"presupuesto" DECIMAL(15,2) NOT NULL,

"fk\_rut\_postulante" NUMERIC(10) NOT NULL,

"fk\_id\_juntavecinos" INTEGER NOT NULL,

"fk\_id\_estadopostulacion" INTEGER,

PRIMARY KEY("id\_proyecto")

);

CREATE TABLE "EstadoPerfil" (

"id\_estadoperfil" INTEGER NOT NULL UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"descripcion" VARCHAR(30) UNIQUE,

PRIMARY KEY("id\_estadoperfil")

);

CREATE TABLE "EstadoCertificado" (

"id\_estadocertificado" INTEGER NOT NULL UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"descripcion" VARCHAR(30),

PRIMARY KEY("id\_estadocertificado")

);

CREATE TABLE "EstadoActividad" (

"id\_estadoactividad" INTEGER NOT NULL UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"descripcion" VARCHAR(30),

PRIMARY KEY("id\_estadoactividad")

);

CREATE TABLE "EstadoNoticia" (

"id\_estadonoticia" INTEGER NOT NULL UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"descripcion" VARCHAR(30),

PRIMARY KEY("id\_estadonoticia")

);

CREATE TABLE "Familia" (

"id\_familia" INTEGER NOT NULL UNIQUE GENERATED BY DEFAULT AS IDENTITY,

"titular" ,

"nombre" VARCHAR(100),

"fecha\_creacion" DATE,

PRIMARY KEY("id\_familia")

);

ALTER TABLE "Perfiles"

ADD FOREIGN KEY("fk\_id\_rol") REFERENCES "Roles"("id\_rol")

ON UPDATE CASCADE ON DELETE NO ACTION;

ALTER TABLE "Perfiles"

ADD FOREIGN KEY("id\_sexo") REFERENCES "Sexo"("id\_sexo")

ON UPDATE CASCADE ON DELETE NO ACTION;

ALTER TABLE "Perfiles"

ADD FOREIGN KEY("id\_parentesco") REFERENCES "Parentesco"("id\_parentesco")

ON UPDATE CASCADE ON DELETE NO ACTION;

ALTER TABLE "Perfiles"

ADD FOREIGN KEY("fk\_id\_comuna") REFERENCES "Comuna"("id\_comuna")

ON UPDATE CASCADE ON DELETE NO ACTION;

ALTER TABLE "CertificadosResi"

ADD FOREIGN KEY("fk\_id\_juntavecino") REFERENCES "JuntaVecinos"("id\_juntavecino")

ON UPDATE CASCADE ON DELETE NO ACTION;

ALTER TABLE "CertificadosResi"

ADD FOREIGN KEY("fk\_rut\_postulante") REFERENCES "Perfiles"("rut")

ON UPDATE CASCADE ON DELETE NO ACTION;

ALTER TABLE "PostulacionProyectos"

ADD FOREIGN KEY("fk\_rut\_postulante") REFERENCES "Perfiles"("rut")

ON UPDATE CASCADE ON DELETE CASCADE;

ALTER TABLE "PostulacionProyectos"

ADD FOREIGN KEY("fk\_id\_juntavecinos") REFERENCES "JuntaVecinos"("id\_juntavecino")

ON UPDATE CASCADE ON DELETE CASCADE;

ALTER TABLE "PostulacionProyectos"

ADD FOREIGN KEY("fk\_id\_estadopostulacion") REFERENCES "EstadoPostulacion"("id\_estadopostulacion")

ON UPDATE CASCADE ON DELETE SET NULL;

ALTER TABLE "Comuna"

ADD FOREIGN KEY("id\_region") REFERENCES "Region"("id\_region")

ON UPDATE CASCADE ON DELETE NO ACTION;

ALTER TABLE "JuntaVecinos"

ADD FOREIGN KEY("fk\_id\_comuna") REFERENCES "Comuna"("id\_comuna")

ON UPDATE CASCADE ON DELETE NO ACTION;

ALTER TABLE "EstadoPerfil"

ADD FOREIGN KEY("id\_estadoperfil") REFERENCES "Perfiles"("fk\_id\_estadoperfil")

ON UPDATE NO ACTION ON DELETE NO ACTION;

ALTER TABLE "EstadoCertificado"

ADD FOREIGN KEY("id\_estadocertificado") REFERENCES "CertificadosResi"("fk\_id\_estadocertificado")

ON UPDATE NO ACTION ON DELETE NO ACTION;

ALTER TABLE "EstadoActividad"

ADD FOREIGN KEY("id\_estadoactividad") REFERENCES "Actividad"("fk\_id\_estadoactividad")

ON UPDATE NO ACTION ON DELETE NO ACTION;

ALTER TABLE "EstadoNoticia"

ADD FOREIGN KEY("id\_estadonoticia") REFERENCES "Noticias"("fk\_id\_estadonoticia")

ON UPDATE NO ACTION ON DELETE NO ACTION;

ALTER TABLE "JuntaVecinos"

ADD FOREIGN KEY("fk\_rut\_perfil") REFERENCES "Perfiles"("rut")

ON UPDATE NO ACTION ON DELETE NO ACTION;

ALTER TABLE "Familia"

ADD FOREIGN KEY("id\_familia") REFERENCES "Perfiles"("fk\_familia")

ON UPDATE NO ACTION ON DELETE NO ACTION;