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CREATE TABLE public."Pacientes" (
  "Id_Usuario" integer NOT NULL GENERATED BY DEFAULT AS IDENTITY,
  cpf character varying(11) NOT NULL,
  nome character varying(100) NOT NULL,
  email character varying(255) NOT NULL,
  "senhaHash" text NOT NULL,
  telefone character varying(20) NOT NULL,
  "dataCadastro" date NOT NULL,
  "dataNascimento" date,
  "TipoUsuario" character varying(50) NOT NULL,
  ativo boolean DEFAULT true NOT NULL,
  cep character varying(8) DEFAULT "":character varying NOT NULL,
  cidade character varying(31) DEFAULT "":character varying NOT NULL,
  estado character varying(18) DEFAULT "":character varying NOT NULL,
  CONSTRAINT "PK_Pacientes" PRIMARY KEY ("Id_Usuario")
);

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CREATE UNIQUE INDEX "IX_Pacientes_cpf" ON public."Pacientes" USING btree (cpf);
CREATE UNIQUE INDEX "IX_Pacientes_email" ON public."Pacientes" USING btree (email);
CREATE UNIQUE INDEX "IX_Pacientes_telefone" ON public."Pacientes" USING btree (telefone);

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CREATE TABLE public."Professores" (
  "Id_Usuario" integer NOT NULL GENERATED BY DEFAULT AS IDENTITY,
  area character varying(255) NOT NULL,
  "codigoProfissional" character varying(255) NOT NULL,
  cpf character varying(11) NOT NULL,
  nome character varying(100) NOT NULL,
  email character varying(255) NOT NULL,
  "senhaHash" text NOT NULL,
  telefone character varying(20) NOT NULL,
  "dataCadastro" date NOT NULL,
  "dataNascimento" date,
  "TipoUsuario" character varying(50) NOT NULL,
  ativo boolean DEFAULT true NOT NULL,
  especialidades text DEFAULT "":text NOT NULL,
  CONSTRAINT "PK_Professores" PRIMARY KEY ("Id_Usuario")
);

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CREATE UNIQUE INDEX "IX_Professores_cpf" ON public."Professores" USING btree (cpf);
CREATE UNIQUE INDEX "IX_Professores_email" ON public."Professores" USING btree (email);
CREATE UNIQUE INDEX "IX_Professores_telefone" ON public."Professores" USING btree (telefone);

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CREATE TABLE public."Disponibilidades" (
  "Id" integer NOT NULL GENERATED BY DEFAULT AS IDENTITY,
  "DataInicio" date NOT NULL,
  "DataFim" date NOT NULL,
  "HorarioInicio" time without time zone NOT NULL,
  "HorarioFim" time without time zone NOT NULL,
  "Area" character varying(100) NOT NULL,
  "Especialidade" character varying(100) NOT NULL,
  "Ativo" boolean DEFAULT true NOT NULL,
  CONSTRAINT "PK_Disponibilidades" PRIMARY KEY ("Id")
);

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CREATE TABLE public."Consultas" (
  "id_Consulta" integer NOT NULL GENERATED BY DEFAULT AS IDENTITY,
  "Data" date,
  "Horario" time without time zone,
  "Status" character varying(20) NOT NULL,
  "PacientId" integer NOT NULL,
  "ProfessorId" integer NOT NULL,
  "Especialidade" text DEFAULT ''::text NOT NULL,
  "Area" text DEFAULT ''::text NOT NULL,
  "DataCadastro" timestamp with time zone DEFAULT '-infinity'::timestamp with time zone NOT NULL,
  "Anamnese" character varying(255) DEFAULT ''::character varying NOT NULL,
  CONSTRAINT "PK_Consultas" PRIMARY KEY ("id_Consulta"),
  CONSTRAINT "FK_Consultas_Pacientes_PacientId" FOREIGN KEY ("PacientId") REFERENCES
public."Pacientes"("Id_Usuario") ON DELETE RESTRICT,
  CONSTRAINT "FK_Consultas_Professores_ProfessorId" FOREIGN KEY ("ProfessorId")
REFERENCES public."Professores"("Id_Usuario") ON DELETE RESTRICT
);

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CREATE INDEX "IX_Consultas_PacientId" ON public."Consultas" USING btree ("PacientId");
CREATE INDEX "IX_Consultas_ProfessorId" ON public."Consultas" USING btree ("ProfessorId");

```