Universidad Nacional Experimental de las Telecomunicaciones y la Informática.

Ejercicios de Bases de Datos

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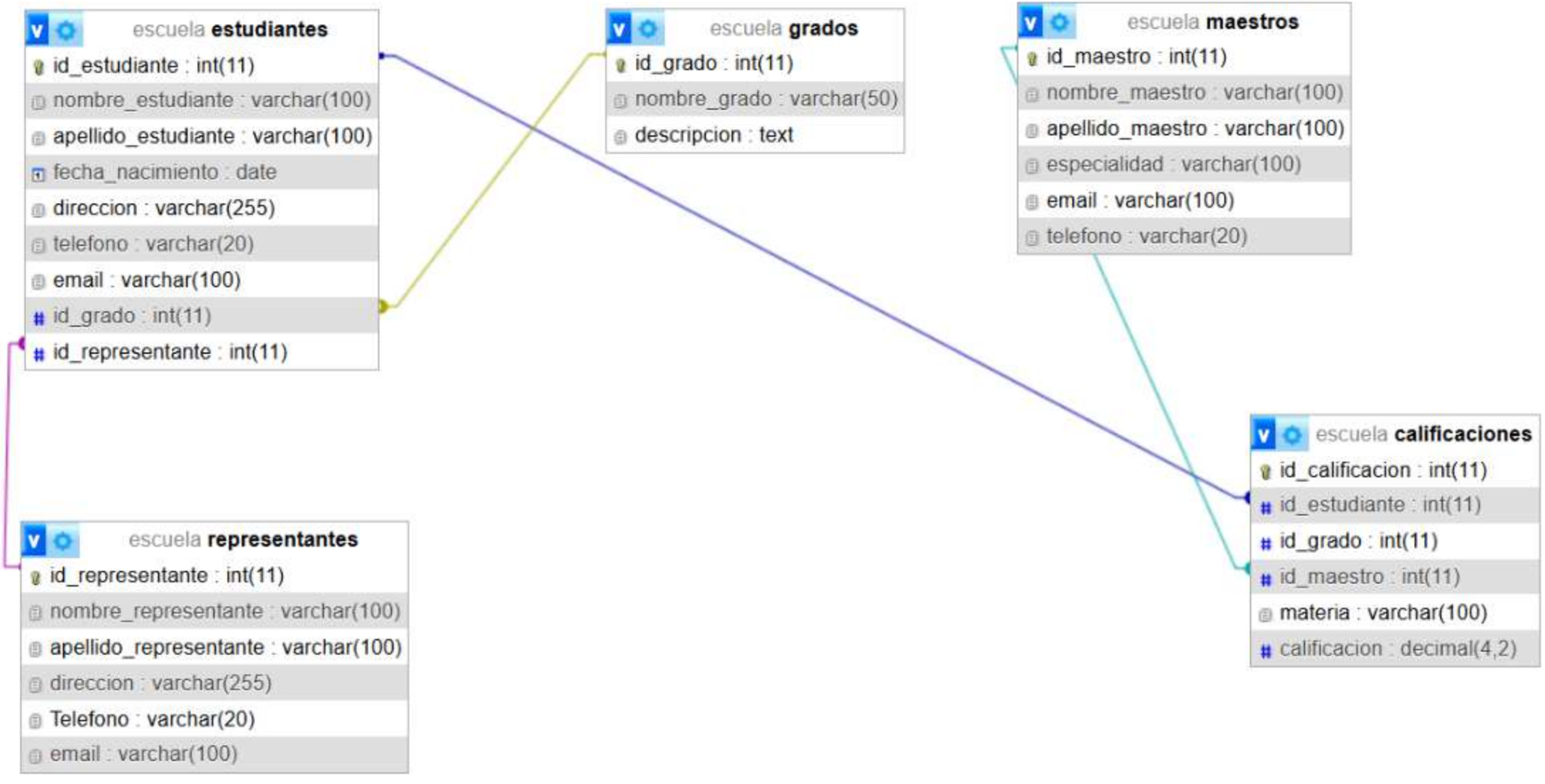
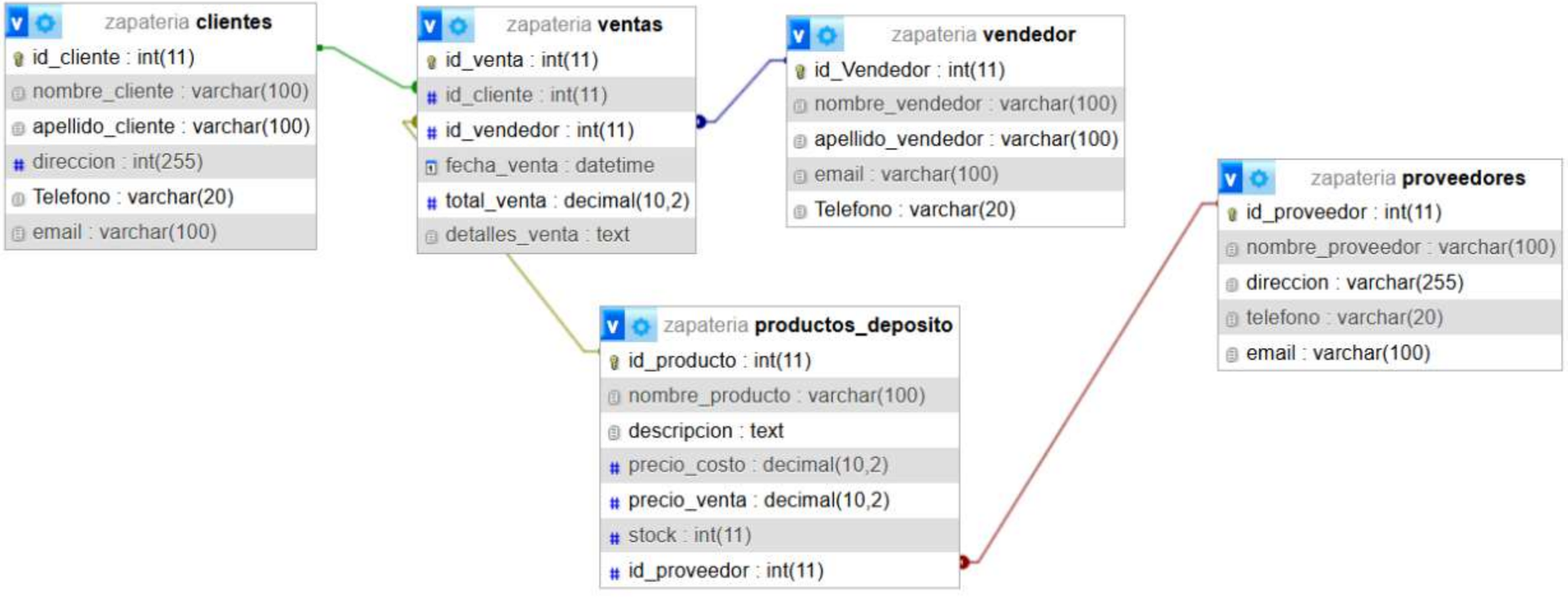
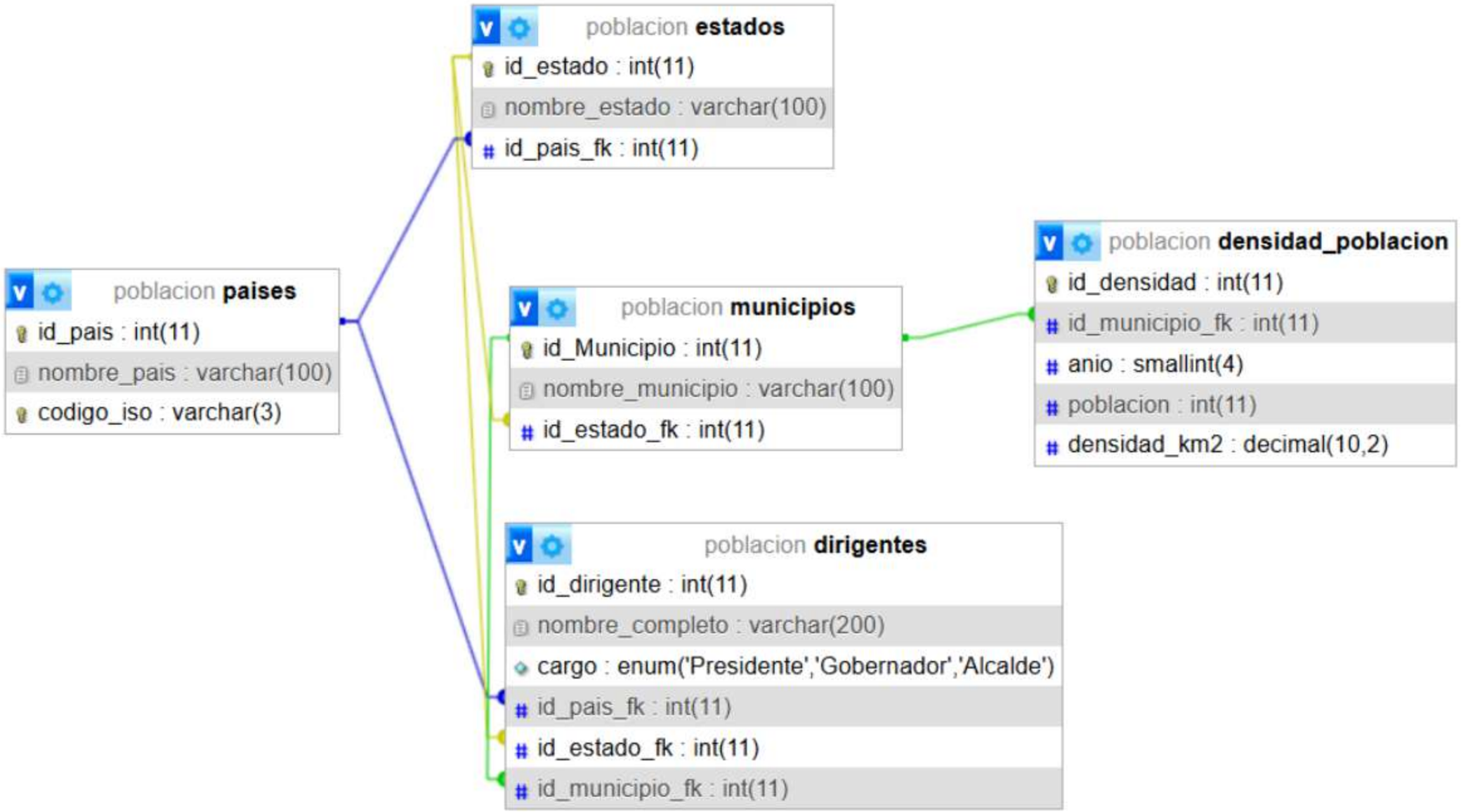
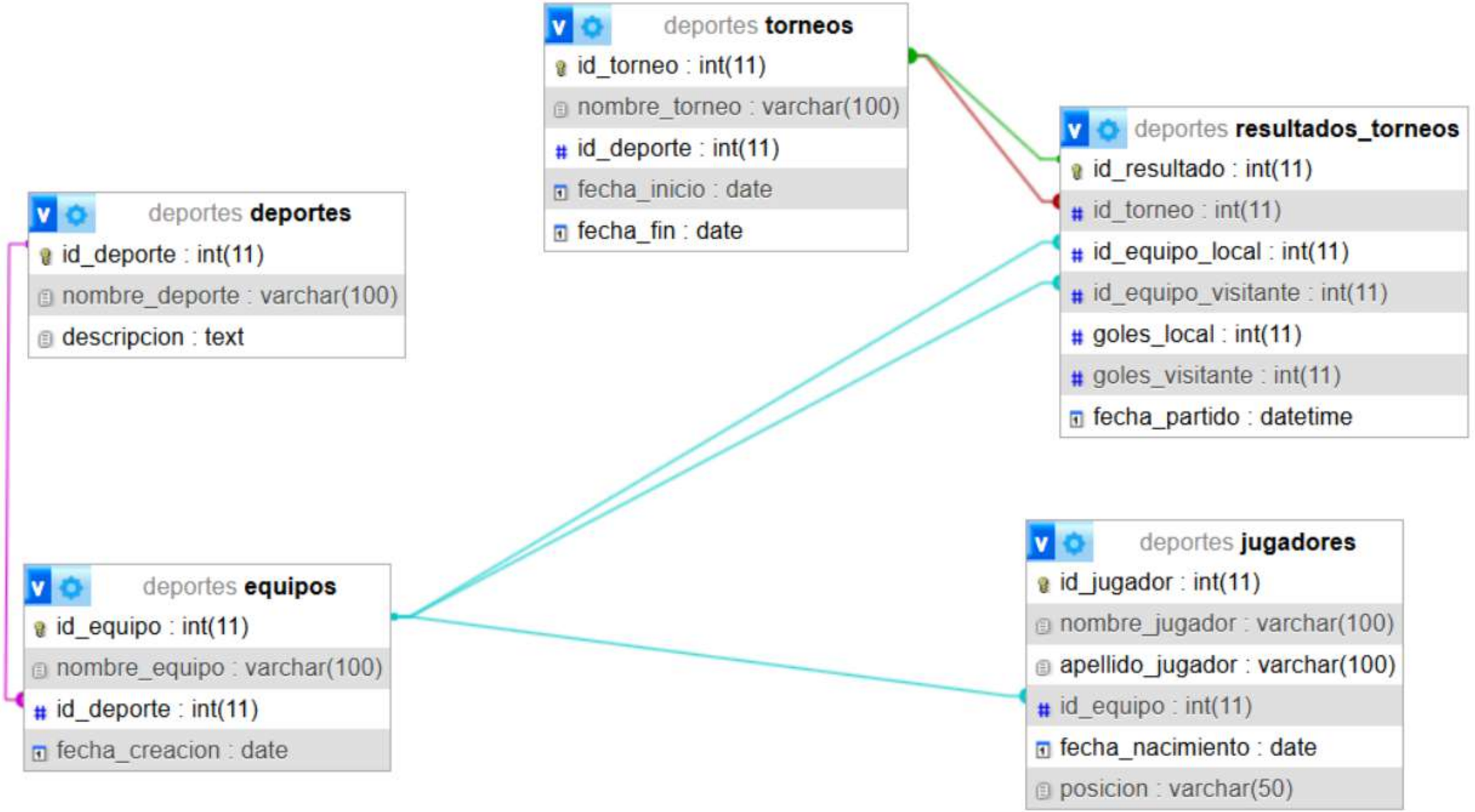
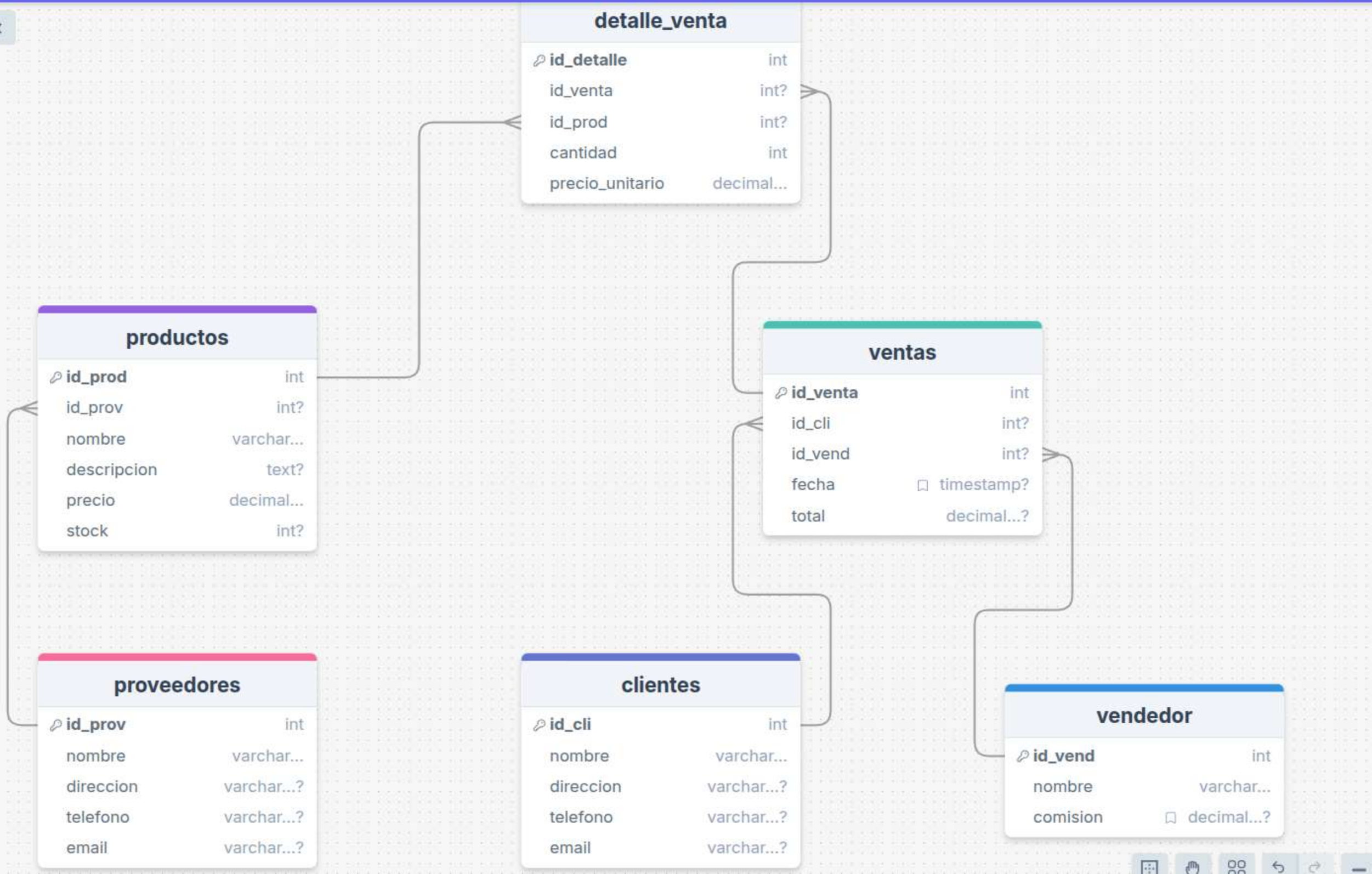
Venezuela, Mayo 2025

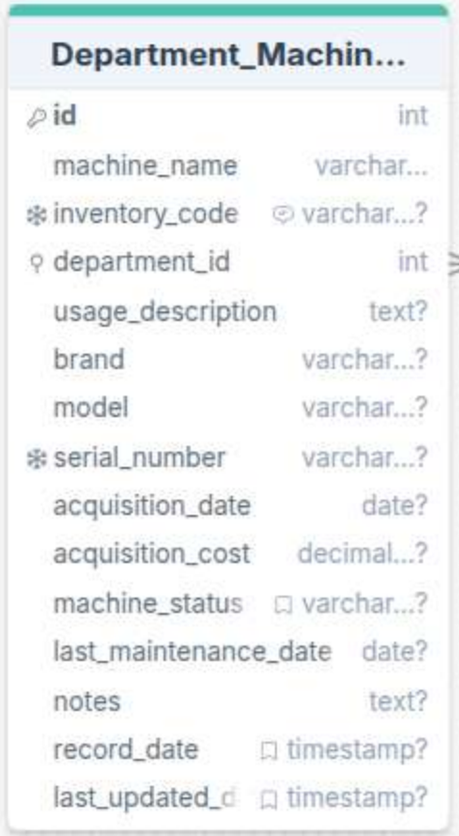

escuela estudiantes
id_estudiante : int(11)
nombre_estudiante : varchar(100)
apellido_estudiante : varchar(100)
fecha_nacimiento : date
direccion : varchar(255)
telefono : varchar(20)
email : varchar(100)
id_grado : int(11)
id_representante : int(11)
escuela grados
id_grado : int(11)
nombre_grado : varchar(50)
descripcion : text
escuela maestros
id_maestro : int(11)
nombre_maestro : varchar(100)
apellido_maestro : varchar(100)
especialidad : varchar(100)
email : varchar(100)
telefono : varchar(20)
escuela calificaciones
id_calificacion : int(11)
id_estudiante : int(11)
id_grado : int(11)
id_maestro : int(11)
materia : varchar(100)
calificacion : decimal(4,2)
escuela representantes
id_representante : int(11)
nombre_representante : varchar(100)
apellido_representante : varchar(100)
direccion : varchar(255)
Telefono : varchar(20)
email : varchar(100)


zapateria clientes
id_cliente : int(11)
nombre_cliente : varchar(100)
apellido_cliente : varchar(100)
direccion : int(255)
Telefono : varchar(20)
email : varchar(100)
zapateria ventas
id_venta : int(11)
id_cliente : int(11)
id_vendedor : int(11)
fecha_venta : datetime
total_venta : decimal(10,2)
detalles_venta : text
zapateria vendedor
id_Vendedor : int(11)
nombre_vendedor : varchar(100)
apellido_vendedor : varchar(100)
email : varchar(100)
Telefono : varchar(20)
zapateria productos_deposito
id_producto : int(11)
nombre_producto : varchar(100)
descripcion : text
precio_costo : decimal(10,2)
precio_venta : decimal(10,2)
stock : int(11)
id_proveedor : int(11)
zapateria proveedores
id_proveedor : int(11)
nombre_proveedor : varchar(100)
direccion : varchar(255)
telefono : varchar(20)
email : varchar(100)

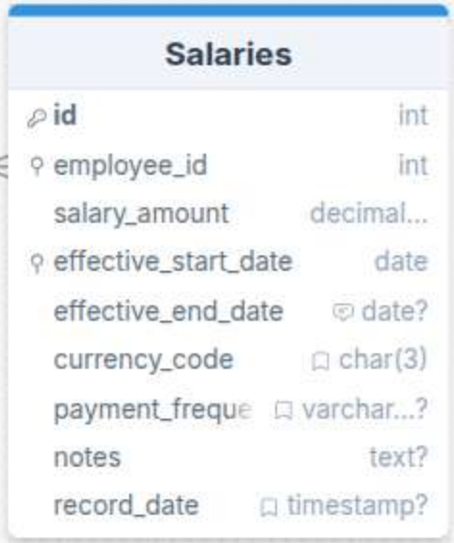

poblacion estados
id_estado : int(11)
nombre_estado : varchar(100)
id_pais_fk : int(11)
poblacion paises
id_pais : int(11)
nombre_pais : varchar(100)
codigo_iso : varchar(3)
poblacion municipios
id_Municipio : int(11)
nombre_municipio : varchar(100)
id_estado_fk : int(11)
poblacion densidad_poblacion
id_densidad : int(11)
id_municipio_fk : int(11)
anio : smallint(4)
poblacion : int(11)
densidad_km2 : decimal(10,2)
poblacion dirigentes
id_dirigente : int(11)
nombre_completo : varchar(200)
cargo : enum('Presidente','Gobernador','Alcalde')
id_pais_fk : int(11)
id_estado_fk : int(11)
id_municipio_fk : int(11)

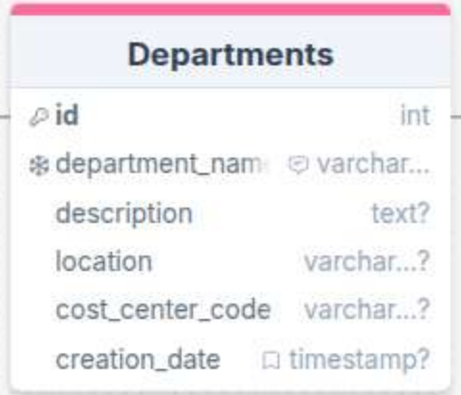

deportes deportes
id_deporte : int(11)
nombre_deporte : varchar(100)
descripcion : text
deportes torneos
id_torneo : int(11)
nombre_torneo : varchar(100)
id_deporte : int(11)
fecha_inicio : date
fecha_fin : date
deportes resultados_torneos
id_resultado : int(11)
id_torneo : int(11)
id_equipo_local : int(11)
id_equipo_visitante : int(11)
goles_local : int(11)
goles_visitante : int(11)
fecha_partido : datetime
deportes equipos
id_equipo : int(11)
nombre_equipo : varchar(100)
id_deporte : int(11)
fecha_creacion : date
deportes jugadores
id_jugador : int(11)
nombre_jugador : varchar(100)
apellido_jugador : varchar(100)
id_equipo : int(11)
fecha_nacimiento : date
posicion : varchar(50)


detalle_venta
id_detalle int
id_venta int?
id_prod int?
cantidad int
precio_unitario decimal...
productos
id_prod int
id_prov int?
nombre varchar...
descripcion text?
precio decimal...
stock int?
ventas
id_venta int
id_cli int?
id_vend int?
fecha timestamp?
total decimal...?
proveedores
id_prov int
nombre varchar...
direccion varchar...?
telefono varchar...?
email varchar...?
clientes
id_cli int
nombre varchar...
direccion varchar...?
telefono varchar...?
email varchar...?
vendedor
id_vend int
nombre varchar...
comision decimal...?

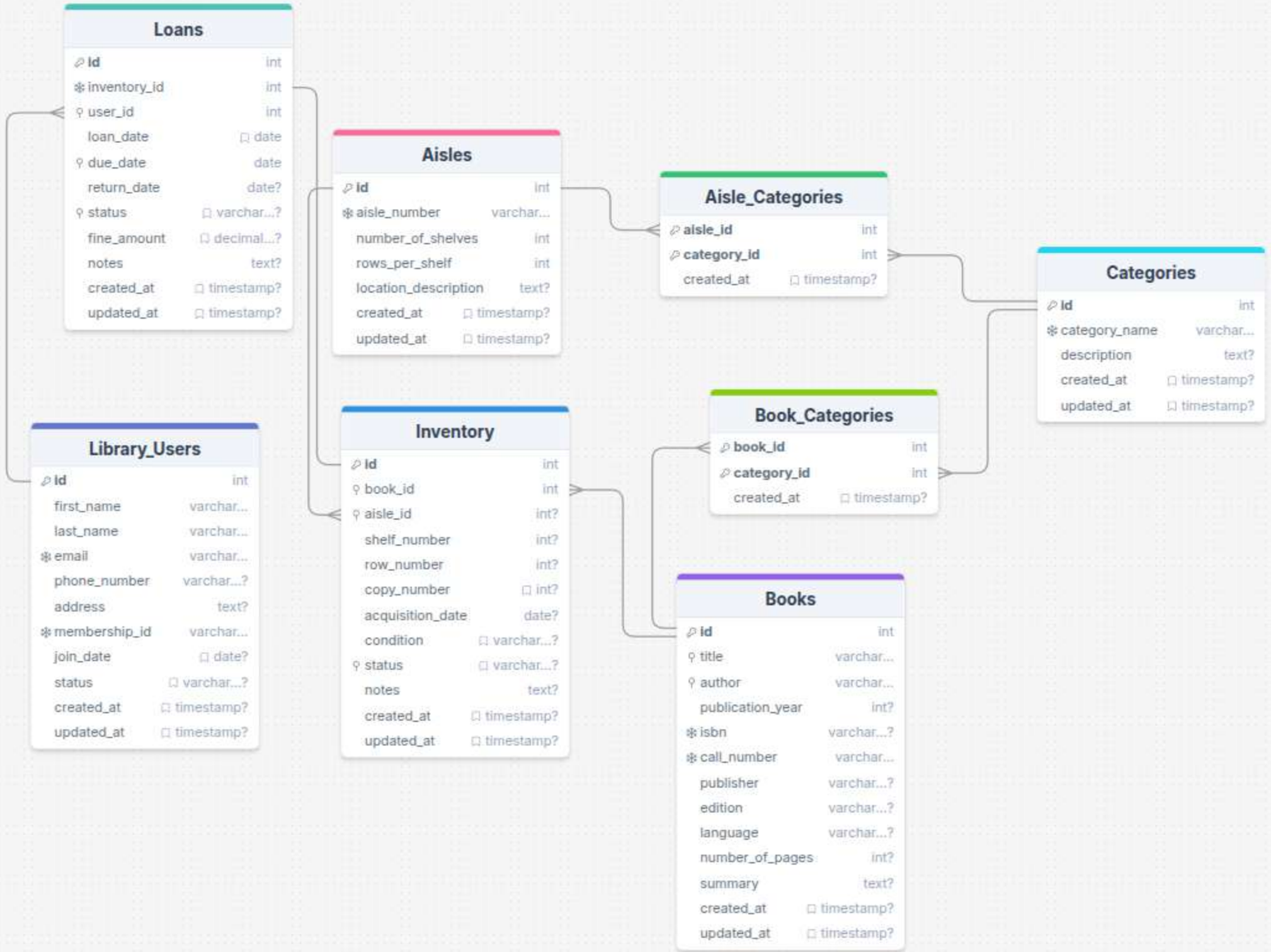

Department_Machin...
id int
machine_name varchar...
inventory_code varchar...?
department_id int
usage_description text?
brand varchar...?
model varchar...?
serial_number varchar...?
acquisition_date date?
acquisition_cost decimal...?
machine_status varchar...?
last_maintenance_date date?
notes text?
record_date timestamp?
last_updated_d timestamp?

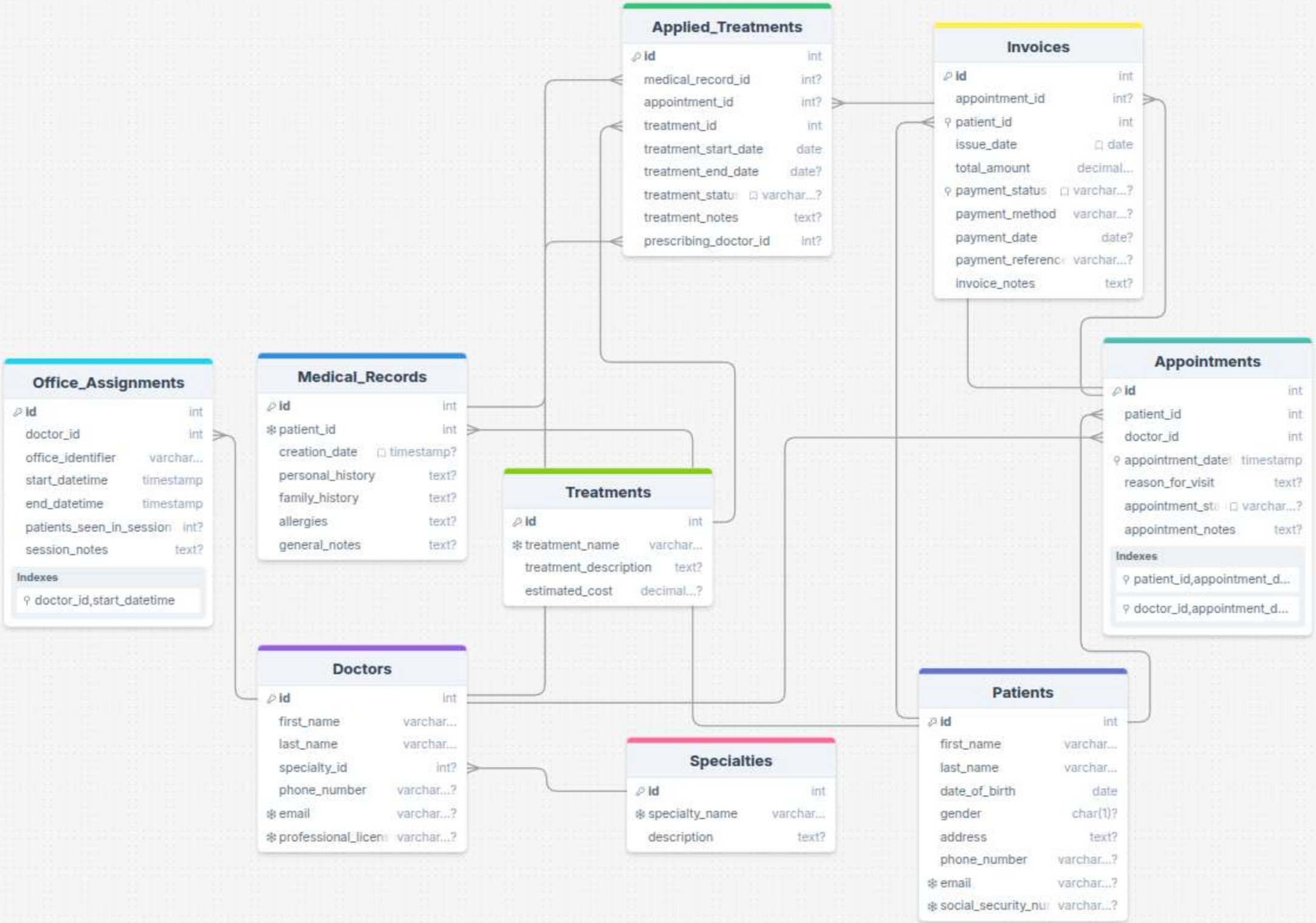
Positions
id int
position_title varchar...
responsibilities_descripti text?
hierarchical_level int?
minimum_salary decimal...?
maximum_salary decimal...?
creation_date timestamp?


Salaries
id int
employee_id int
salary_amount decimal...
effective_start_date date
effective_end_date date?
currency_code char(3)
payment_freque varchar...?
notes text?
record_date timestamp?

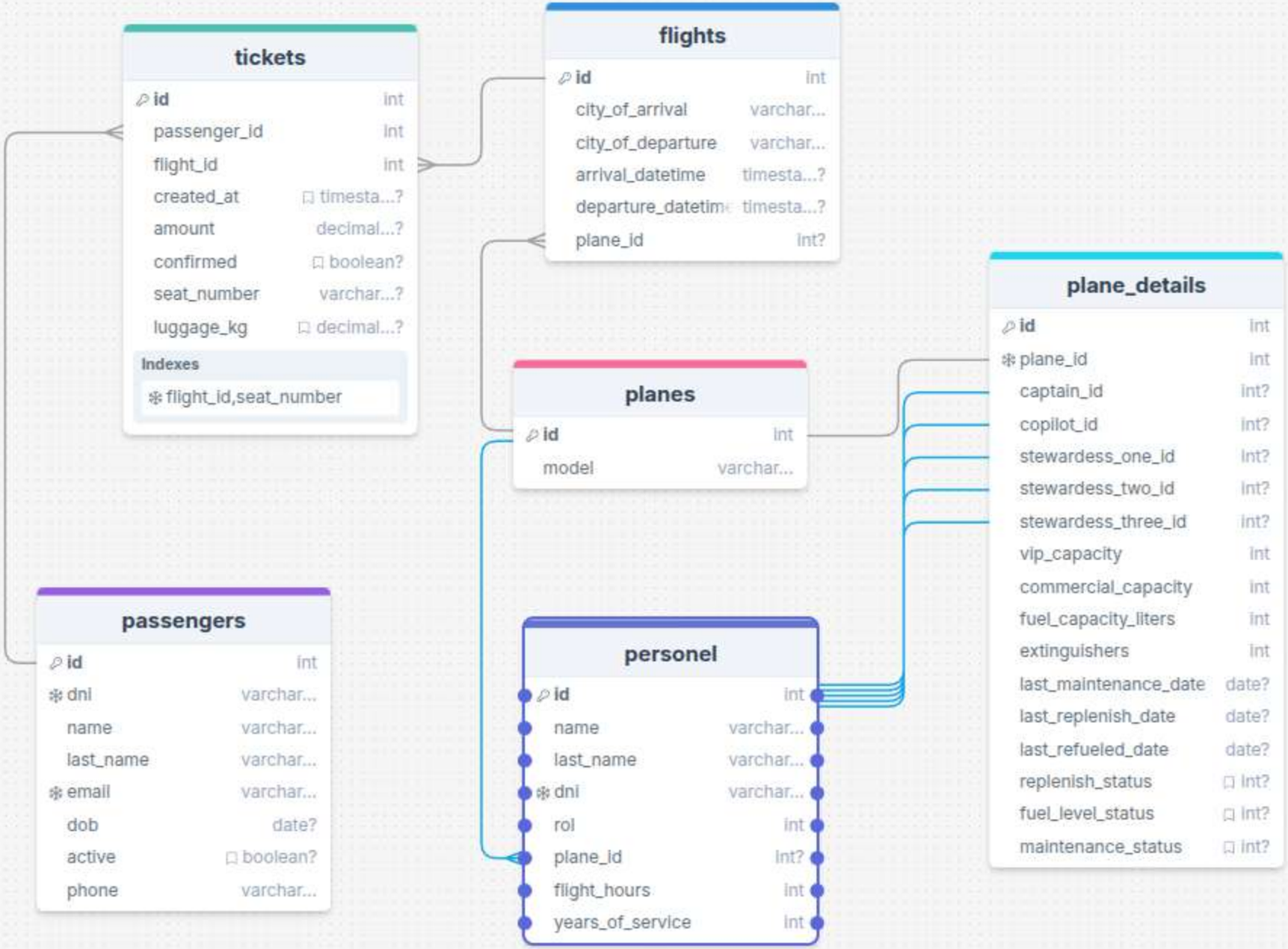

Departments
id int
department_nam varchar...
description text?
location varchar...?
cost_center_code varchar...?
creation_date timestamp?

Employees
id int
first_name varchar...
last_name varchar...
national_id_number varchar...
date_of_birth date?
gender char(1)?
address text?
phone_number varchar...?
corporate_email varchar...?
hire_date date
department_id int?
position_id int?
supervisor_id int?
employee_statu varchar...?
creation_date timestamp?
last_updated_d timestamp?


Loans
id int
inventory_id int
user_id int
loan_date date
due_date date
return_date date?
status varchar...?
fine_amount decimal...?
notes text?
created_at timestamp?
updated_at timestamp?
Aisles
id int
aisle_number varchar...
number_of_shelves int
rows_per_shelf int
location_description text?
created_at timestamp?
updated_at timestamp?
Aisle_Categories
aisle_id int
category_id int
created_at timestamp?
Categories
id int
category_name varchar...
description text?
created_at timestamp?
updated_at timestamp?
Library_Users
id int
first_name varchar...
last_name varchar...
email varchar...
phone_number varchar...?
address text?
membership_id varchar...
join_date date?
status varchar...?
created_at timestamp?
updated_at timestamp?
Inventory
id int
book_id int
aisle_id int?
shelf_number int?
row_number int?
copy_number int?
acquisition_date date?
condition varchar...?
status varchar...?
notes text?
created_at timestamp?
updated_at timestamp?
Book_Categories
book_id int
category_id int
created_at timestamp?
Books
id int
title varchar...
author varchar...
publication_year int?
isbn varchar...?
call_number varchar...
publisher varchar...?
edition varchar...?
language varchar...?
number_of_pages int?
summary text?
created_at timestamp?
updated_at timestamp?


Applied_Treatments
id int
medical_record_id int?
appointment_id int?
treatment_id int
treatment_start_date date
treatment_end_date date?
treatment_statu varchar...?
treatment_notes text?
prescribing_doctor_id int?
Invoices
id int
appointment_id int?
patient_id int
issue_date date
total_amount decimal...
payment_status varchar...?
payment_method varchar...?
payment_date date?
payment_referenc varchar...?
invoice_notes text?
Office_Assignments
id int
doctor_id int
office_identifier varchar...
start_datetime timestamp
end_datetime timestamp
patients_seen_in_session int?
session_notes text?
Indexes
doctor_id,start_datetime
Medical_Records
id int
patient_id int
creation_date timestamp?
personal_history text?
family_history text?
allergies text?
general_notes text?
Treatments
id int
treatment_name varchar...
treatment_description text?
estimated_cost decimal...?
Appointments
id int
patient_id int
doctor_id int
appointment_date timestamp
reason_for_visit text?
appointment_st varchar...?
appointment_notes text?
Indexes
patient_id,appointment_d...
doctor_id,appointment_d...
Doctors
id int
first_name varchar...
last_name varchar...
specialty_id int?
phone_number varchar...?
email varchar...?
professional_licen varchar...?
Specialties
id int
specialty_name varchar...
description text?
Patients
id int
first_name varchar...
last_name varchar...
date_of_birth date
gender char(1)?
address text?
phone_number varchar...?
email varchar...?
social_security_nu varchar...?

order_items
id int
sales_order_id int
product_id int
quantity int
unit_price decimal...
discount_perce decimal...?
line_total decimal...?
shipments
id int
shipment_number varchar...?
sales_order_id int?
ship_date date?
carrier_name varchar...?
tracking_number varchar...?
port_of_loading varchar...?
port_of_discharge varchar...?
estimated_arrival_date date?
actual_arrival_date date?
status varchar...?
freight_cost decimal...?
insurance_cost decimal...?
notes text?
created_at timesta...?
updated_at timesta...?
commercial_invoices
id int
invoice_number varchar...
sales_order_id int?
client_id int
issue_date date
due_date date?
total_amount decimal...
currency char(3)
payment_status int?
notes text?
created_at timesta...?
updated_at timesta...?
products
id int
sku varchar...
name varchar...
description text?
cost_price decimal...
unit_of_measure int
supplier_id int?
country_of_origin varchar...?
hs_code varchar...?
weight_per_unit decimal...?
dimension_l_cm decimal...?
dimension_w_cm decimal...?
dimension_h_cm decimal...?
sales_orders
id int
order_number varchar...
client_id int
order_date date
status int?
currency char(3)
total_amount decimal...?
expected_ship_date date?
notes text?
created_at timesta...?
updated_at timesta...?
clients
id int
company_name varchar...
contact_person varchar...?
email varchar...
phone varchar...?
billing_address text?
shipping_address text?
country varchar...
tax_id varchar...?
credit_limit decimal...?
payment_terms_a varchar...?
suppliers
id int
name varchar...
contact_person varchar...?
email varchar...?
phone varchar...?
address text?
payment_terms varchar...?


tickets
id int
passenger_id int
flight_id int
created_at timesta...?
amount decimal...?
confirmed boolean?
seat_number varchar...?
luggage_kg decimal...?
Indexes
flight_id,seat_number
flights
id int
city_of_arrival varchar...
city_of_departure varchar...
arrival_datetime timesta...?
departure_datetim timesta...?
plane_id int?
planes
id int
model varchar...
plane_details
id int
plane_id int
captain_id int?
copilot_id int?
stewardess_one_id int?
stewardess_two_id int?
stewardess_three_id int?
vip_capacity int
commercial_capacity int
fuel_capacity_liters int
extinguishers int
last_maintenance_date date?
last_replenish_date date?
last_refueled_date date?
replenish_status int?
fuel_level_status int?
maintenance_status int?
passengers
id int
dni varchar...
name varchar...
last_name varchar...
email varchar...
dob date?
active boolean?
phone varchar...
personel
id int
name varchar...
last_name varchar...
dni varchar...
rol int
plane_id int?
flight_hours int
years_of_service int