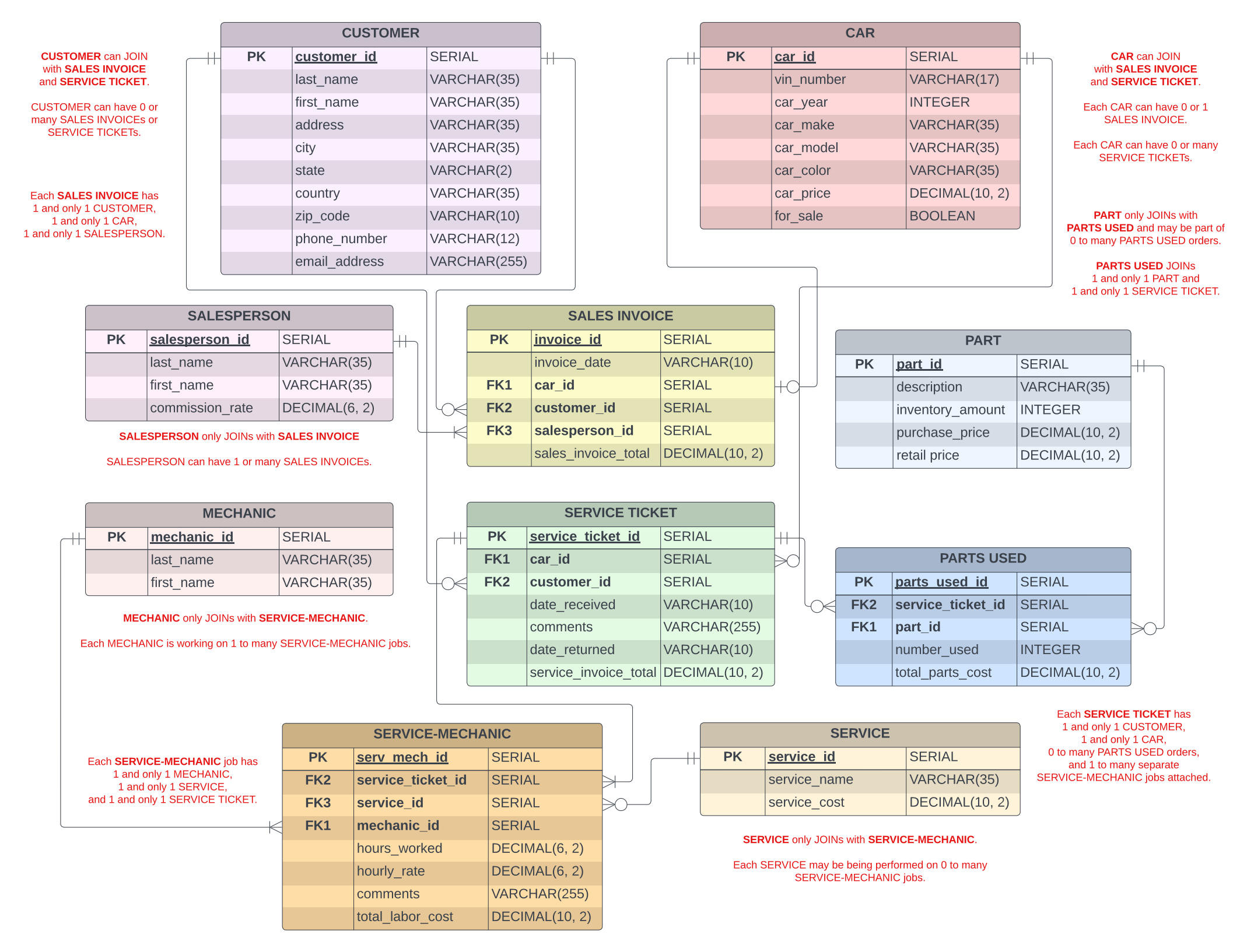
CUSTOMER
PK customer_id SERIAL
last_name VARCHAR(35)
first_name VARCHAR(35)
address VARCHAR(35)
city VARCHAR(35)
state VARCHAR(2)
country VARCHAR(35)
zip_code VARCHAR(10)
phone_number VARCHAR(12)
email_address VARCHAR(255)
CUSTOMER can JOIN with SALES INVOICE and SERVICE TICKET.
CUSTOMER can have 0 or many SALES INVOICEs or SERVICE TICKETs.
Each SALES INVOICE has 1 and only 1 CUSTOMER, 1 and only 1 CAR, 1 and only 1 SALESPERSON.
CAR
PK car_id SERIAL
vin_number VARCHAR(17)
car_year INTEGER
car_make VARCHAR(35)
car_model VARCHAR(35)
car_color VARCHAR(35)
car_price DECIMAL(10, 2)
for_sale BOOLEAN
CAR can JOIN with SALES INVOICE and SERVICE TICKET.
Each CAR can have 0 or 1 SALES INVOICE.
Each CAR can have 0 or many SERVICE TICKETs.
PART only JOINs with PARTS USED and may be part of 0 to many PARTS USED orders.
PARTS USED JOINs 1 and only 1 PART and 1 and only 1 SERVICE TICKET.
SALESPERSON
PK salesperson_id SERIAL
last_name VARCHAR(35)
first_name VARCHAR(35)
commission_rate DECIMAL(6, 2)
SALESPERSON only JOINs with SALES INVOICE
SALESPERSON can have 1 or many SALES INVOICEs.
SALES INVOICE
PK invoice_id SERIAL
invoice_date VARCHAR(10)
FK1 car_id SERIAL
FK2 customer_id SERIAL
FK3 salesperson_id SERIAL
sales_invoice_total DECIMAL(10, 2)
PART
PK part_id SERIAL
description VARCHAR(35)
inventory_amount INTEGER
purchase_price DECIMAL(10, 2)
retail price DECIMAL(10, 2)
MECHANIC
PK mechanic_id SERIAL
last_name VARCHAR(35)
first_name VARCHAR(35)
MECHANIC only JOINs with SERVICE-MECHANIC.
Each MECHANIC is working on 1 to many SERVICE-MECHANIC jobs.
SERVICE TICKET
PK service_ticket_id SERIAL
FK1 car_id SERIAL
FK2 customer_id SERIAL
date_received VARCHAR(10)
comments VARCHAR(255)
date_returned VARCHAR(10)
service_invoice_total DECIMAL(10, 2)
PARTS USED
PK parts_used_id SERIAL
FK2 service_ticket_id SERIAL
FK1 part_id SERIAL
number_used INTEGER
total_parts_cost DECIMAL(10, 2)
SERVICE-MECHANIC
PK serv_mech_id SERIAL
FK2 service_ticket_id SERIAL
FK3 service_id SERIAL
FK1 mechanic_id SERIAL
hours_worked DECIMAL(6, 2)
hourly_rate DECIMAL(6, 2)
comments VARCHAR(255)
total_labor_cost DECIMAL(10, 2)
Each SERVICE-MECHANIC job has 1 and only 1 MECHANIC, 1 and only 1 SERVICE, and 1 and only 1 SERVICE TICKET.
SERVICE
PK service_id SERIAL
service_name VARCHAR(35)
service_cost DECIMAL(10, 2)
SERVICE only JOINs with SERVICE-MECHANIC.
Each SERVICE may be being performed on 0 to many SERVICE-MECHANIC jobs.
Each SERVICE TICKET has 1 and only 1 CUSTOMER, 1 and only 1 CAR, 0 to many PARTS USED orders, and 1 to many separate SERVICE-MECHANIC jobs attached.