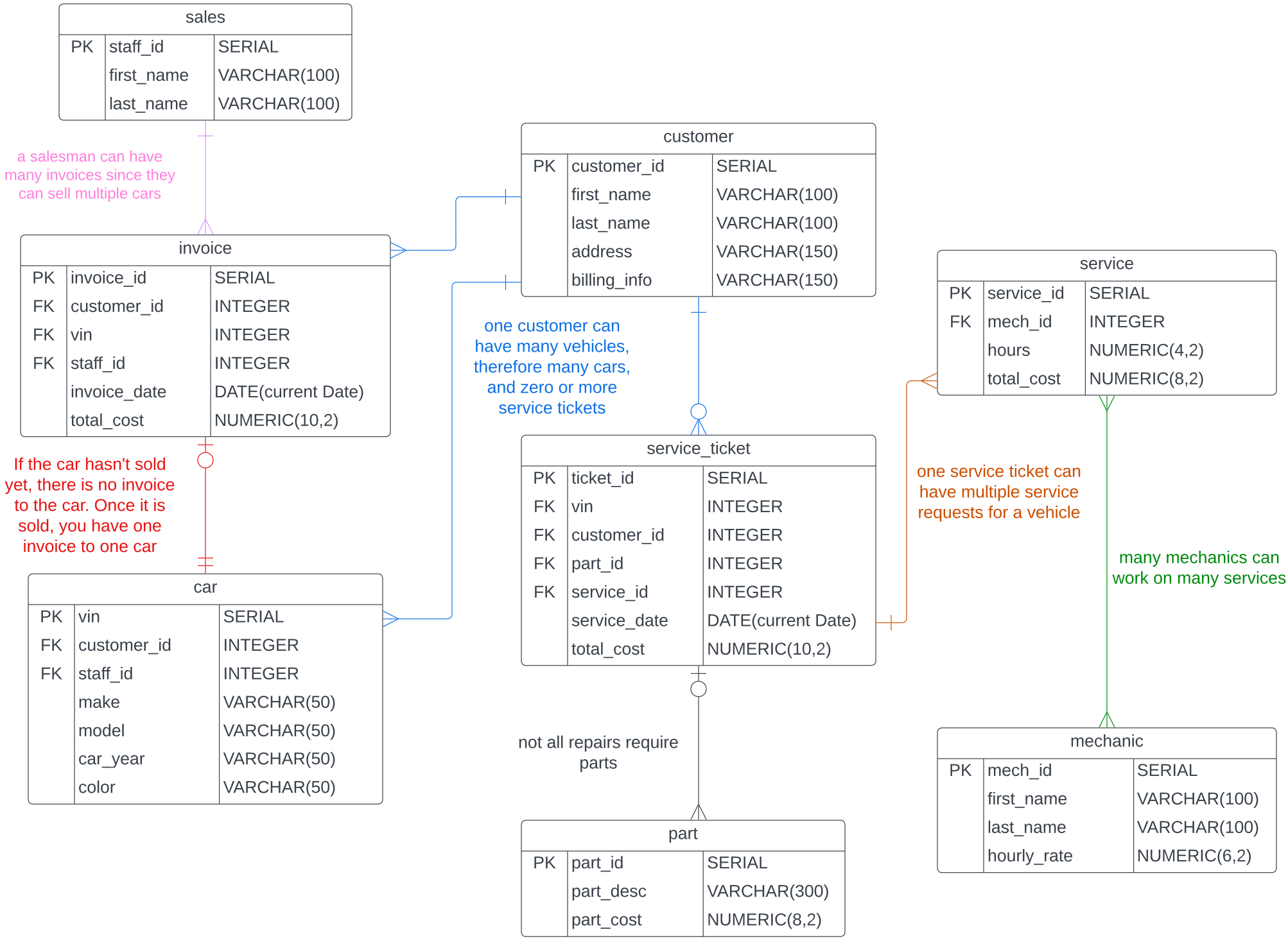
sales
PK staff_id SERIAL
first_name VARCHAR(100)
last_name VARCHAR(100)
a salesman can have many invoices since they can sell multiple cars
customer
PK customer_id SERIAL
first_name VARCHAR(100)
last_name VARCHAR(100)
address VARCHAR(150)
billing_info VARCHAR(150)
invoice
PK invoice_id SERIAL
FK customer_id INTEGER
FK vin INTEGER
FK staff_id INTEGER
invoice_date DATE(current Date)
total_cost NUMERIC(10,2)
one customer can have many vehicles, therefore many cars, and zero or more service tickets
service
PK service_id SERIAL
FK mech_id INTEGER
hours NUMERIC(4,2)
total_cost NUMERIC(8,2)
If the car hasn't sold yet, there is no invoice to the car. Once it is sold, you have one invoice to one car
service_ticket
PK ticket_id SERIAL
FK vin INTEGER
FK customer_id INTEGER
FK part_id INTEGER
FK service_id INTEGER
service_date DATE(current Date)
total_cost NUMERIC(10,2)
one service ticket can have multiple service requests for a vehicle
car
PK vin SERIAL
FK customer_id INTEGER
FK staff_id INTEGER
make VARCHAR(50)
model VARCHAR(50)
car_year VARCHAR(50)
color VARCHAR(50)
many mechanics can work on many services
not all repairs require parts
mechanic
PK mech_id SERIAL
first_name VARCHAR(100)
last_name VARCHAR(100)
hourly_rate NUMERIC(6,2)
part
PK part_id SERIAL
part_desc VARCHAR(300)
part_cost NUMERIC(8,2)