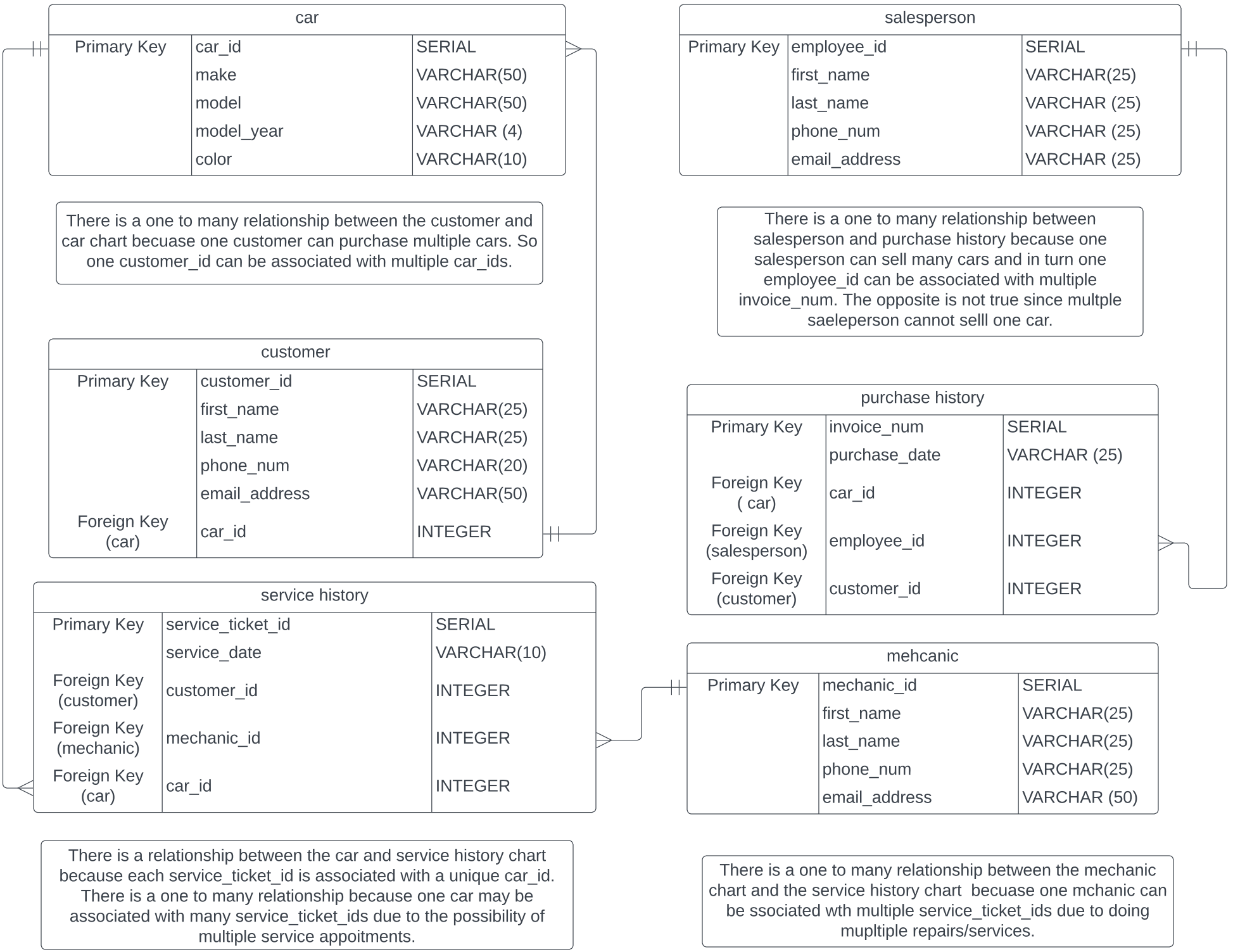
car
Primary Key
car_id
SERIAL
make
VARCHAR(50)
model
VARCHAR(50)
model_year
VARCHAR (4)
color
VARCHAR(10)
There is a one to many relationship between the customer and car chart becuase one customer can purchase multiple cars. So one customer_id can be associated with multiple car_ids.
salesperson
Primary Key
employee_id
SERIAL
first_name
VARCHAR(25)
last_name
VARCHAR (25)
phone_num
VARCHAR (25)
email_address
VARCHAR (25)
There is a one to many relationship between salesperson and purchase history because one salesperson can sell many cars and in turn one employee_id can be associated with multiple invoice_num. The opposite is not true since multple saeleperson cannot selll one car.
customer
Primary Key
customer_id
SERIAL
first_name
VARCHAR(25)
last_name
VARCHAR(25)
phone_num
VARCHAR(20)
email_address
VARCHAR(50)
Foreign Key (car)
car_id
INTEGER
purchase history
Primary Key
invoice_num
SERIAL
purchase_date
VARCHAR (25)
Foreign Key (car)
car_id
INTEGER
Foreign Key (salesperson)
employee_id
INTEGER
Foreign Key (customer)
customer_id
INTEGER
service history
Primary Key
service_ticket_id
SERIAL
service_date
VARCHAR(10)
Foreign Key (customer)
customer_id
INTEGER
Foreign Key (mechanic)
mechanic_id
INTEGER
Foreign Key (car)
car_id
INTEGER
mehcanic
Primary Key
mechanic_id
SERIAL
first_name
VARCHAR(25)
last_name
VARCHAR(25)
phone_num
VARCHAR(25)
email_address
VARCHAR (50)
There is a relationship between the car and service history chart because each service_ticket_id is associated with a unique car_id. There is a one to many relationship because one car may be associated with many service_ticket_ids due to the possibility of multiple service appoitments.
There is a one to many relationship between the mechanic chart and the service history chart becuase one mchanic can be ssociated wth multiple service_ticket_ids due to doing mupltiple repairs/services.