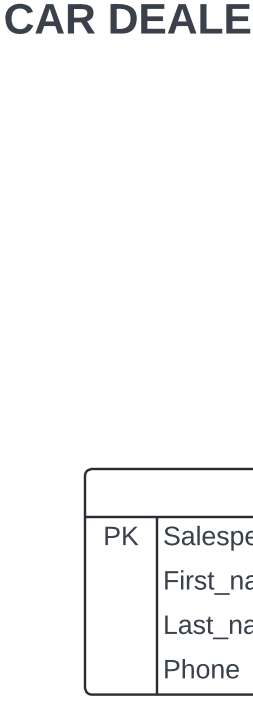
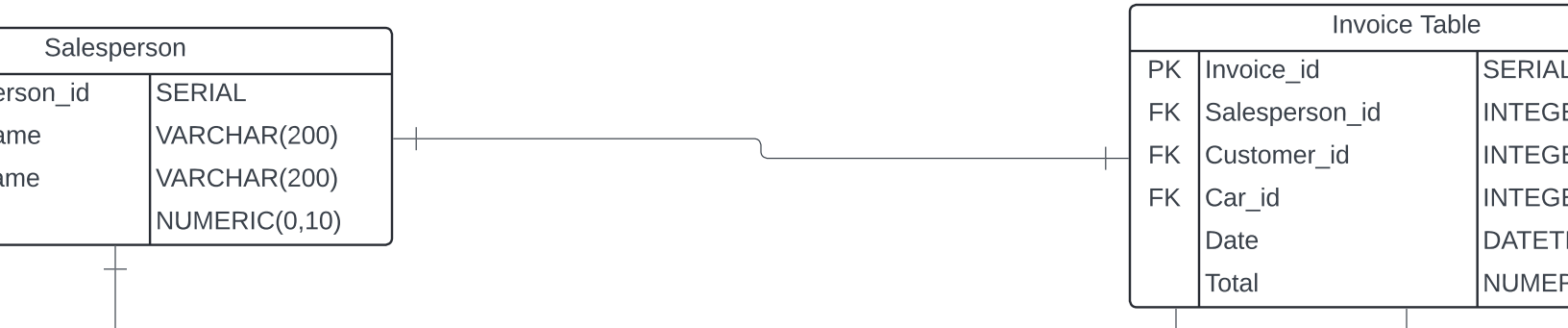
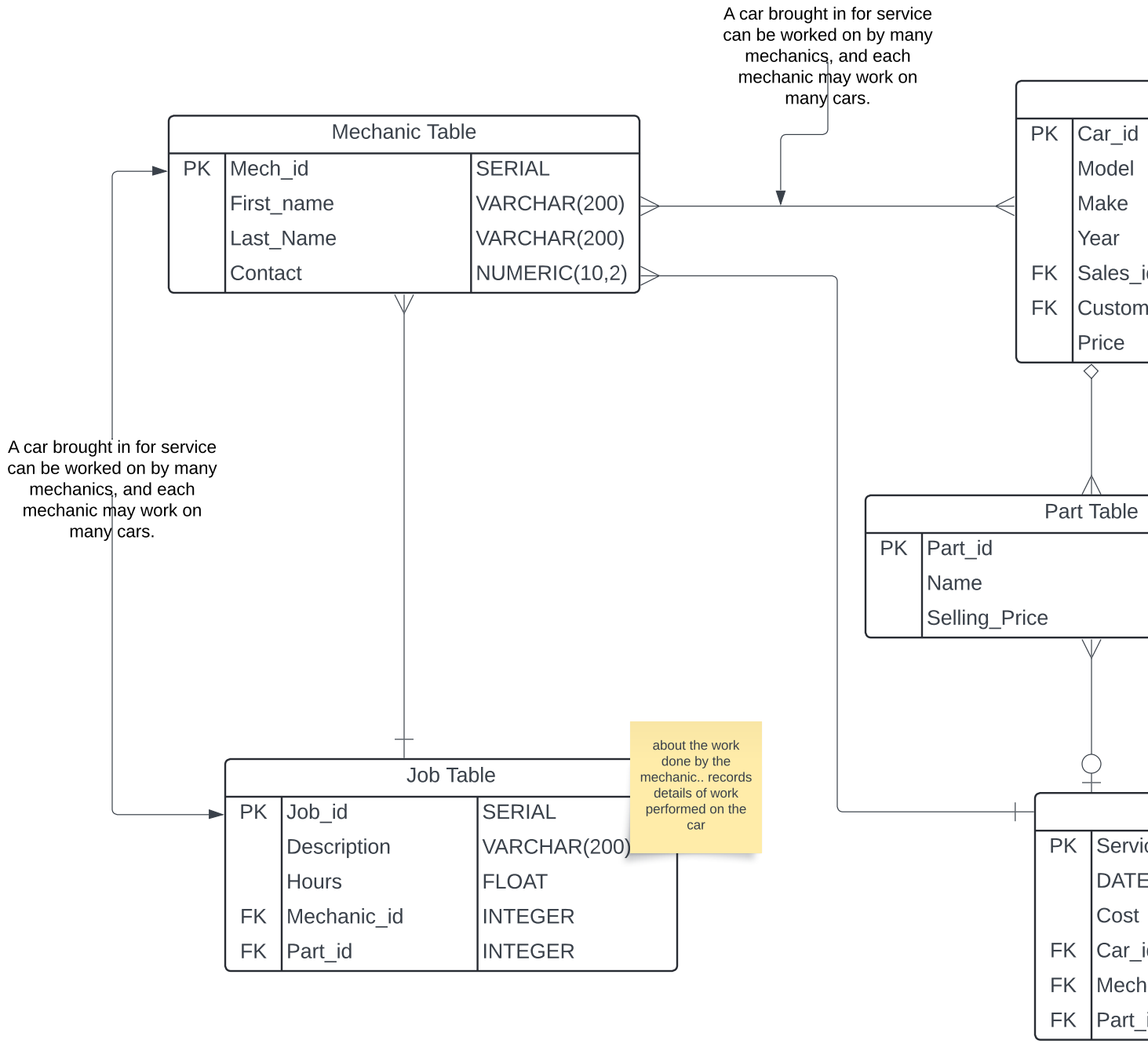
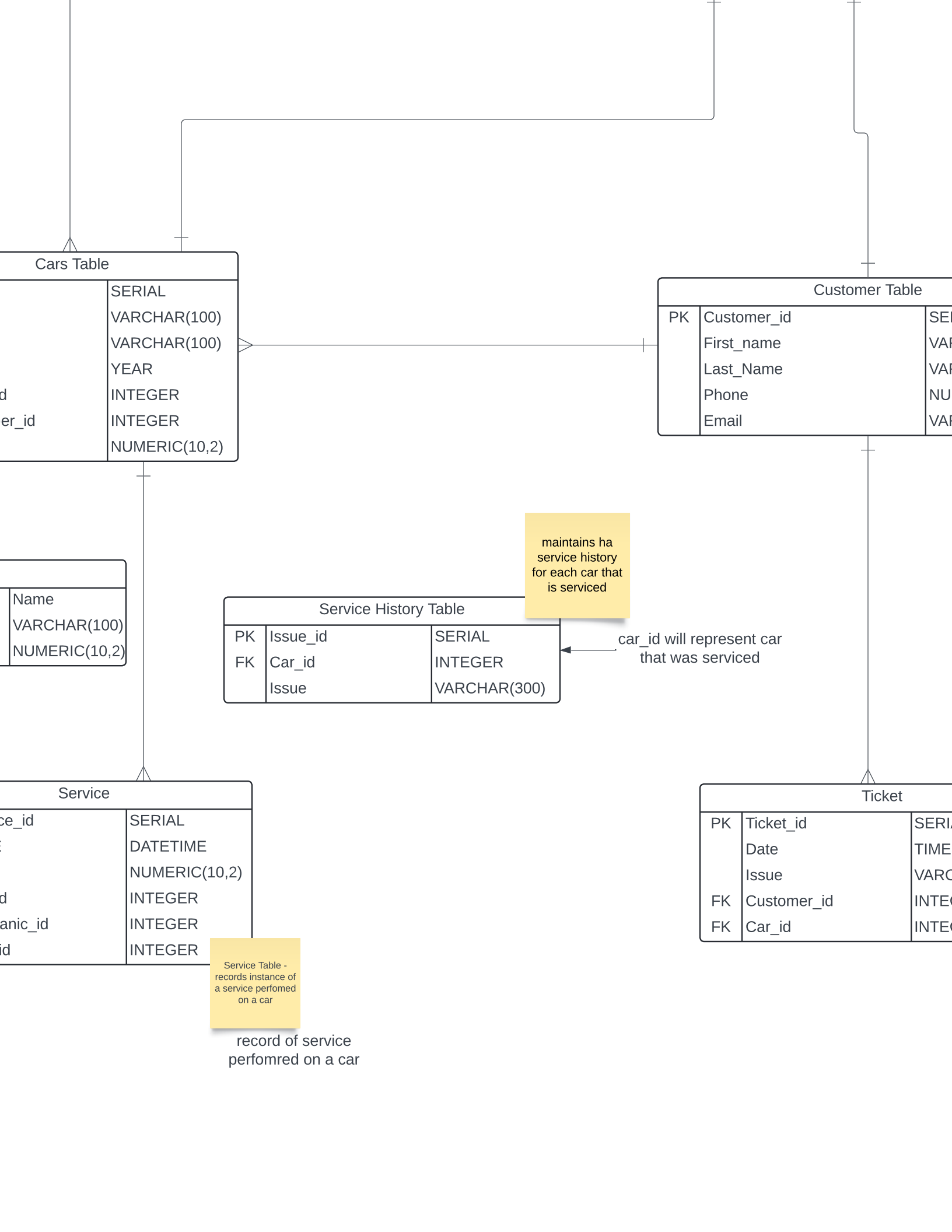

CAR DEALE
PK
Salespe
First_na
Last_na
Phone

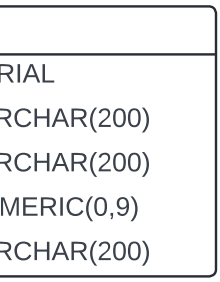
RSHIP ERD DESIGN



-
ER
ER
ER
IME
RIC(10,2)


A car brought in for service can be worked on by many mechanics, and each mechanic may work on many cars.
Mechanic Table
PK
Mech_id
SERIAL
First_name
VARCHAR(200)
Last_Name
VARCHAR(200)
Contact
NUMERIC(10,2)
PK
Car_id
Model
Make
Year
FK
Sales_i
FK
Custom
Price
A car brought in for service can be worked on by many mechanics, and each mechanic may work on many cars.
Part Table
PK
Part_id
Name
Selling_Price
about the work done by the mechanic.. records details of work performed on the car
Job Table
PK
Job_id
SERIAL
Description
VARCHAR(200)
Hours
FLOAT
FK
Mechanic_id
INTEGER
FK
Part_id
INTEGER
PK
Servic
DATE
Cost
FK
Car_i
FK
Mech
FK
Part_i


Cars Table
SERIAL
VARCHAR(100)
VARCHAR(100)
YEAR
INTEGER
INTEGER
NUMERIC(10,2)
Customer Table
PK
Customer_id
First_name
Last_Name
Phone
Email
Name
VARCHAR(100)
NUMERIC(10,2)
maintains ha service history for each car that is serviced
Service History Table
PK
Issue_id
SERIAL
FK
Car_id
INTEGER
Issue
VARCHAR(300)
car_id will represent car that was serviced
Service
SERIAL
DATETIME
NUMERIC(10,2)
INTEGER
INTEGER
INTEGER
Service Table - records instance of a service perfomed on a car
record of service perfomred on a car
Ticket
PK
Ticket_id
Date
Issue
FK
Customer_id
FK
Car_id



each ticket is written for one car brought in for service by one customer

Salesperson entity has attributes lik

Car entity has attributes like CarID, M
customer.

Invoice - Each invoice is written by
he or she buys.

Customer A customer can buy mar

Part A car that is serviced may or m

Mechanic entity has attributes like M
.
Job Table: This table is more about

TABLES IN ERD

ke SalesID, Name, and Phone. Each salesperson can sell many cars.

Model, and Price. Each car is sold by only one salesperson and purchased by

one salesperson for each car he or she sells and received by one customer f

ny cars and can have his or her car serviced.

nay not need parts

MechID, Name, and Phone. Each mechanic can work on many cars

the work done by the mechanic. It would record the details of the work perfor

y only one

or each car

med by a

mechanic on a car.

Ticket entity has attributes like TickI
customer.

The **Service** table is used to record

The **Service History** table is used to

D, Date, and Issue. Each ticket is written for one car brought in for service by

details about individual service events as they occur.

o maintain a historical record of all services performed on each car.

one