

A salesperson may sell many cars, but each car is sold by only one salesperson.

A customer may buy many cars, but each car is purchased by only one customer.

A salesperson writes a single invoice for each car he or she sells.

A customer gets an invoice for each car he or she buys.

A customer may come in just to have his or her car serviced; that is, a customer need not buy a car to be classified as a customer.

When a customer takes one or more cars in for repair or service, one service ticket is written for each car.

The car dealership maintains a service history for each of the cars serviced. The service records are referenced by the car's serial number.

A car brought in for service can be worked on by many mechanics, and each mechanic may work on many cars.

salesperson

car
description(make, model, year)

customer

invoice

function buy
function service

service ticket

service record

car's serial number

mechanic

we put the (service ticket id),
(service history) under the
serial number

