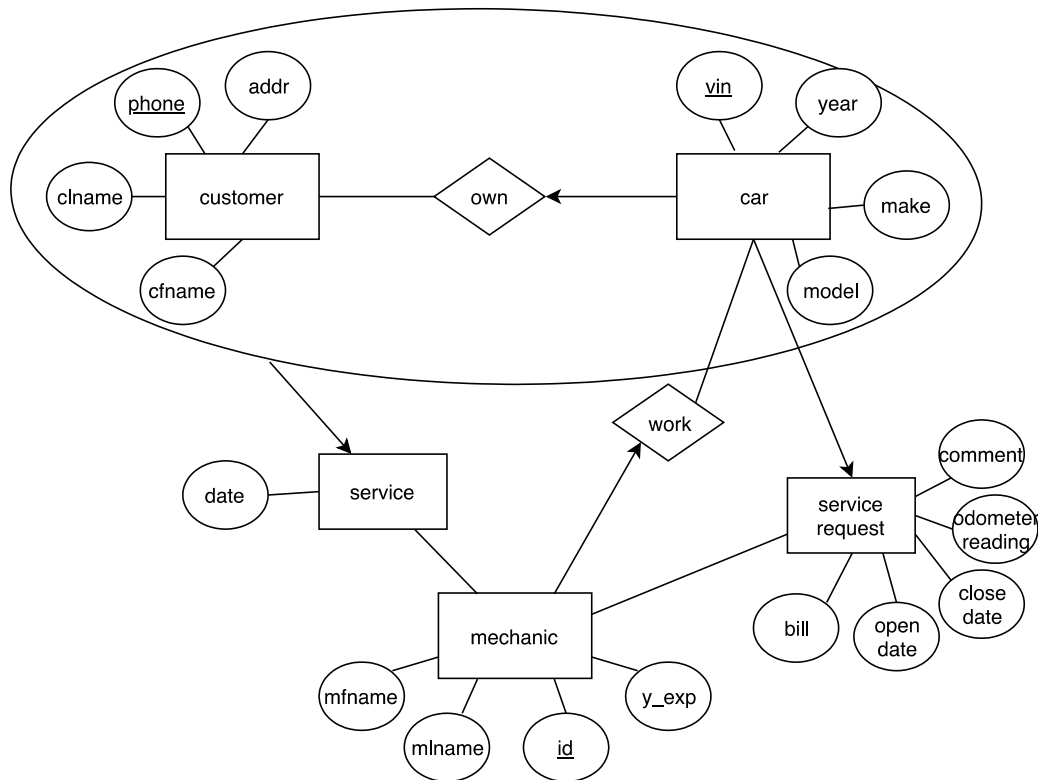Yuteng Zhang
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CS166 phase1

For customer, each customer has 4 items, first name, last name, phone and address.
For car, each car also has 4 items, the unique vin as identifier, the year, the make and the model.
For the mechanic, each mechanic has have a first name, a last name, an employee id, and some years of experience.

The relationship between customer and car is that customers own cars. Since 1 customer could have multiple cars but 1 car has exactly 1 owner, the relationship is one-to-many.
Customers may bring any of their car for service, but I think that customers cannot go to mechanic for service without their car, and the car couldn't go to service by themselves, so the relationship 'service' should be between both customers and car with the mechanics, and it should also have a date item to indicate the time the customer brought in the car.
Mechanics work on a single car at a time, but multiple mechanics could work on the same car at once, so the relationship 'work' is one-to-many.

Exactly one mechanic can create a service request, but a car may have many outstanding service requests, so the relationship 'service request' is also one-to-many. Also service request should have 5 items, the odometer reading, the open and close date, the comment and the bill information.