



MARMARA UNIVERSITY
FACULTY OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT

CSE 3055 – Database Systems Homework III

Cem GÜLEÇ - 150117828

I hereby swear that the work done on this homework is totally my own; and on my honor, I have neither given nor received any unauthorized and/or inappropriate assistance for this homework. I understand that by the school code, violation of these principles will lead to a zero grade and is subject to harsh discipline issues.

Assumptions:

1) - First of all, I defined “OwnerID” as the primary key for the “OWNER” table. Because, there has to be a field that identifies it.

- Since there is a super-sub type relation among Owner and person, bank, company entities, sub types required to have “OwnerID” as a foreign key.

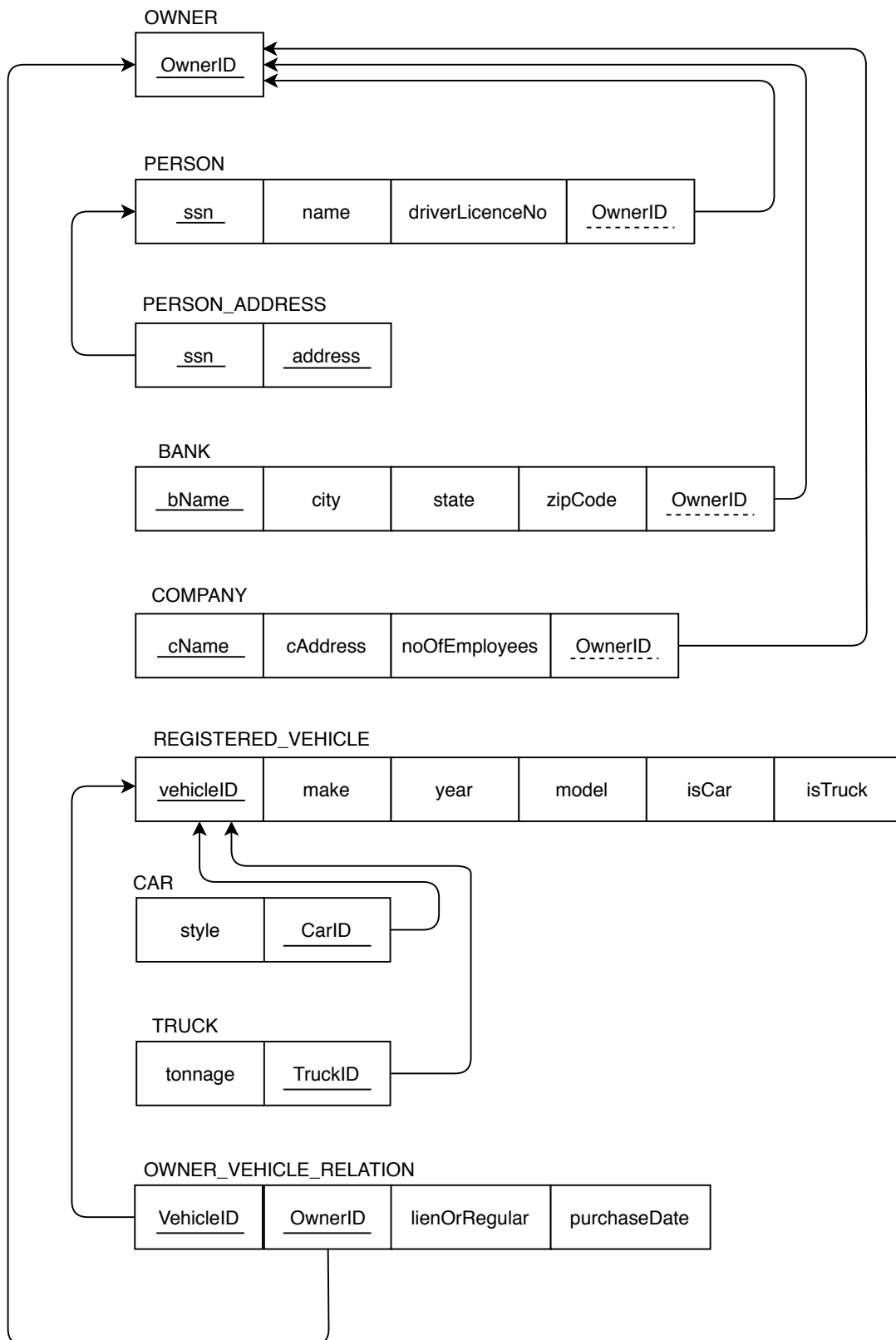
- PERSON_ADDRESS has separate table since it is a multi-valued field.

- Since there is many to many relation between “OWNER” and the “REGISTERED_VEHICLE” entities, I created a new table for the relation between them called “OWNER_VEHICLE_RELATION”.

2) - “prescription”, “sell” and “contract” relations required to have a separate table in the relation model since there is many to many relations.

- In the Patient and Drug tables, there are “primaryPhysician” and “pharmaCompanyName” fields defined. This is because there is one to many relation and the field transferred to many side.

1)



2)

