



**MARMARA UNIVERSITY**

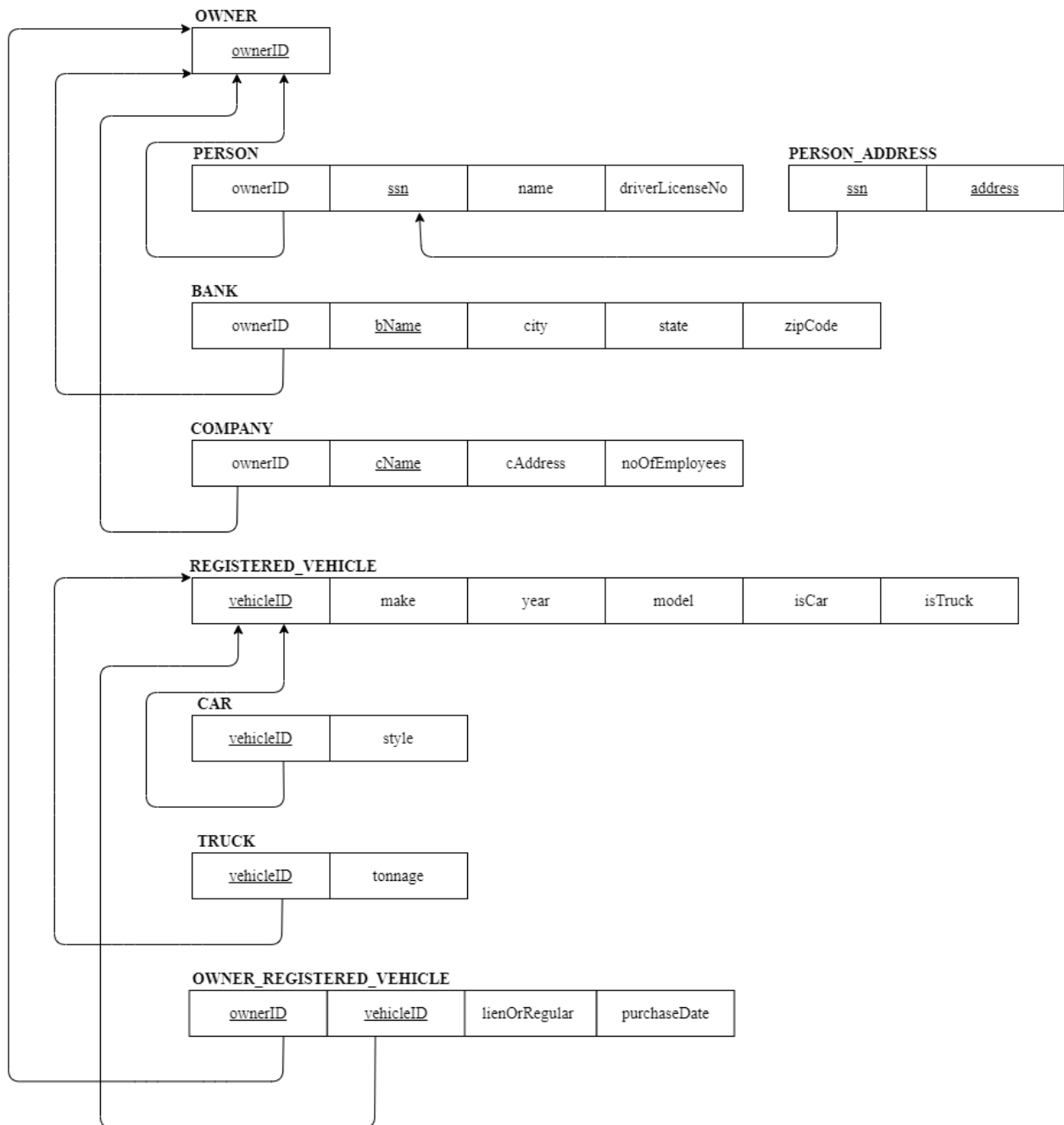
**FACULTY OF ENGINEERING  
COMPUTER SCIENCE & ENGINEERING  
DEPARTMENT**

**CSE3055  
DATABASE SYSTEMS  
Homework #3**

*A. Tunahan Cinsoy  
150117062*

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.

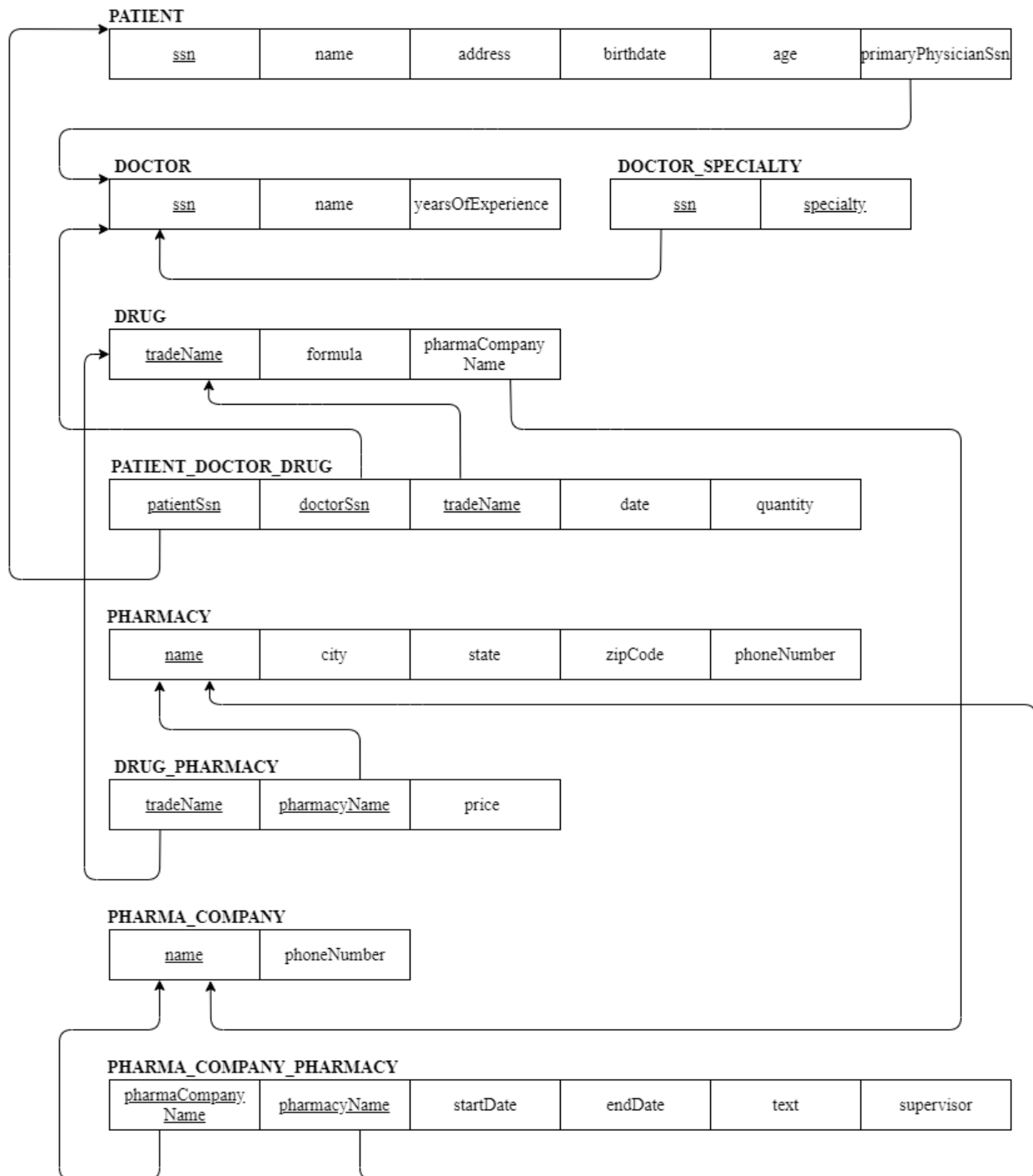
1)



Assumptions:

- 1) "OWNER" entity has an attribute called "ownerID" as its primary key.
- 2) Attributes of the relationship between "OWNER" and "REGISTERED\_VEHICLE" have expressed as the attributes of entity called "OWNER\_REGISTERED\_VEHICLE".

2)



Assumptions:

- 1) Attributes of the ternary relationship between “PATIENT”, “DOCTOR” and “DRUG” have expressed as the attributes of entity called “PATIENT\_DOCTOR\_DRUG”.
- 2) Attributes of the relationship between “DRUG” and “PHARMACY” have expressed as the attributes of entity called “DRUG\_PHARMACY”.
- 3) Attributes of the relationship between “PHARMA\_COMPANY” and “PHARMACY” have expressed as the attributes of entity called “PHARMA\_COMPANY\_PHARMACY”.
- 4) Entity called “PATIENT” has an additional attribute called “primaryPhysicianSsn” that refers to “ssn” attribute of entity called “DOCTOR”.
- 5) Entity called “DRUG” has an additional attribute called “pharmaCompanyName” that refers to “name” attribute of entity called “PHARMA\_COMPANY”.