SEM - team 12

Introduction to Database Systems
<Vehicle Rent System>
<Schema Report>
Team Number: 12

Team Members:

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<9/01/2021>

ENTITY ER DIAGRAM
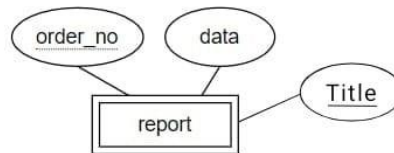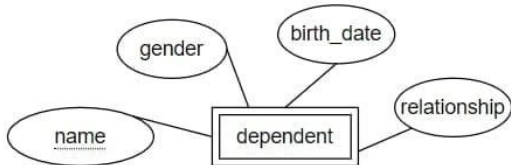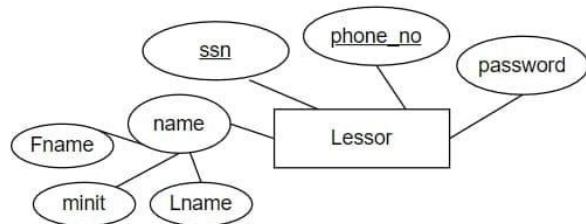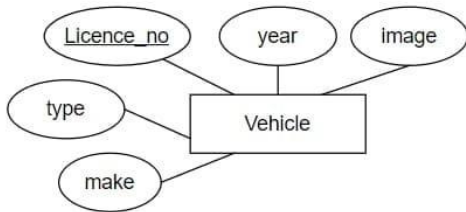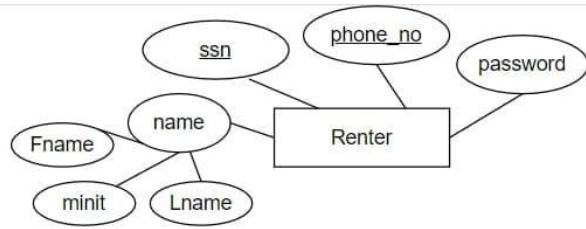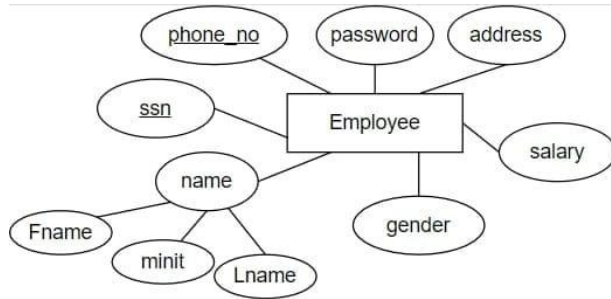
RELATIONSHIP ER DIAGRAM

RELATIONAL SCHEMA

Employee

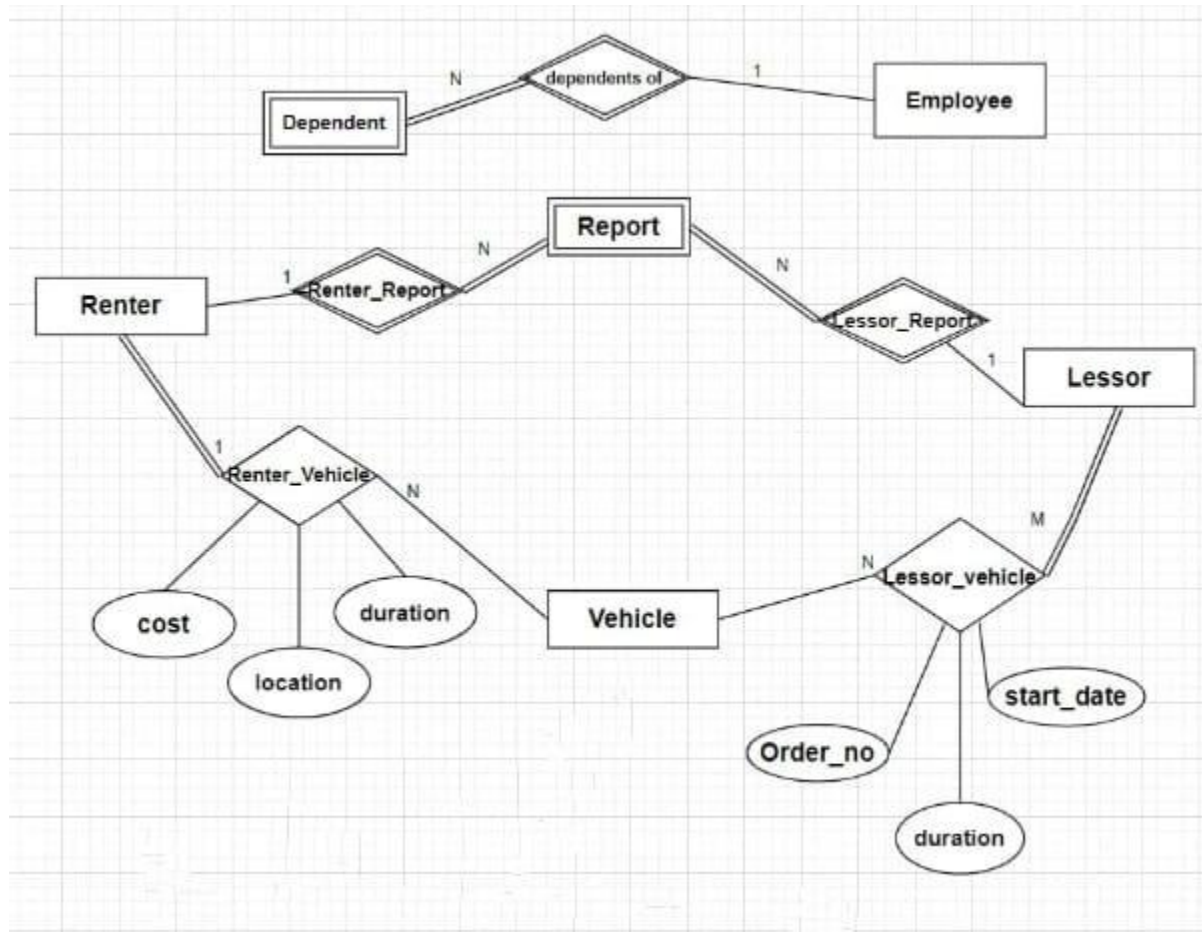| FName	Minit	LName	ESSN	EmpPhone_no	EmPPassword	EmpAddress	gender	salary

Dependent

DName	Dgender	BirthDate	Relationship	EmpSSN

Renter

RFname	RMinit	RLname	RSSN	RPhone_no	RPassword

Lessor

LFname	LMinit	LLname	LSSN	LPhone_no	LPassword

Vehicle

| Model	Type	LicenceNo	Vyear	Vimage	Cost	Location	Duration	rent_SSN	Available

LessorVehicle

Less_SSN	Vno	Order_No	Dur	StartDate

Report

OrderNo	Data	RepoSSN	RorL	ReportTitle

Vehicle
- Model
- Type
- 🔑 LicenceNo
- Vyear
- Vimage
- Cost
- Location
- Duration
- rent_SSN
- available

Renter
- RFname
- RMinint
- RLname
- 🔑 RSSN
- RPhone_no
- RPassword

Dependent
- 🔑 Dname
- Dgender
- BirthDate
- Relationship
- 🔑 EmpSSN

Employee
- Fname
- Minint
- Lname
- 🔑 ESSN
- EmpPhone_no
- EmPPassword
- EmpAddress
- gender
- salary

LessorVehicle
- 🔑 Less_SSN
- 🔑 Vno
- 🔑 Order_No
- Dur
- StartDate

Report
- 🔑 OrderNo
- Data
- RepoSSN
- RorL
- 🔑 ReportTitle

Lessor
- LFname
- LMinint
- LLname
- 🔑 LSSN
- LPhone_no
- LPassword
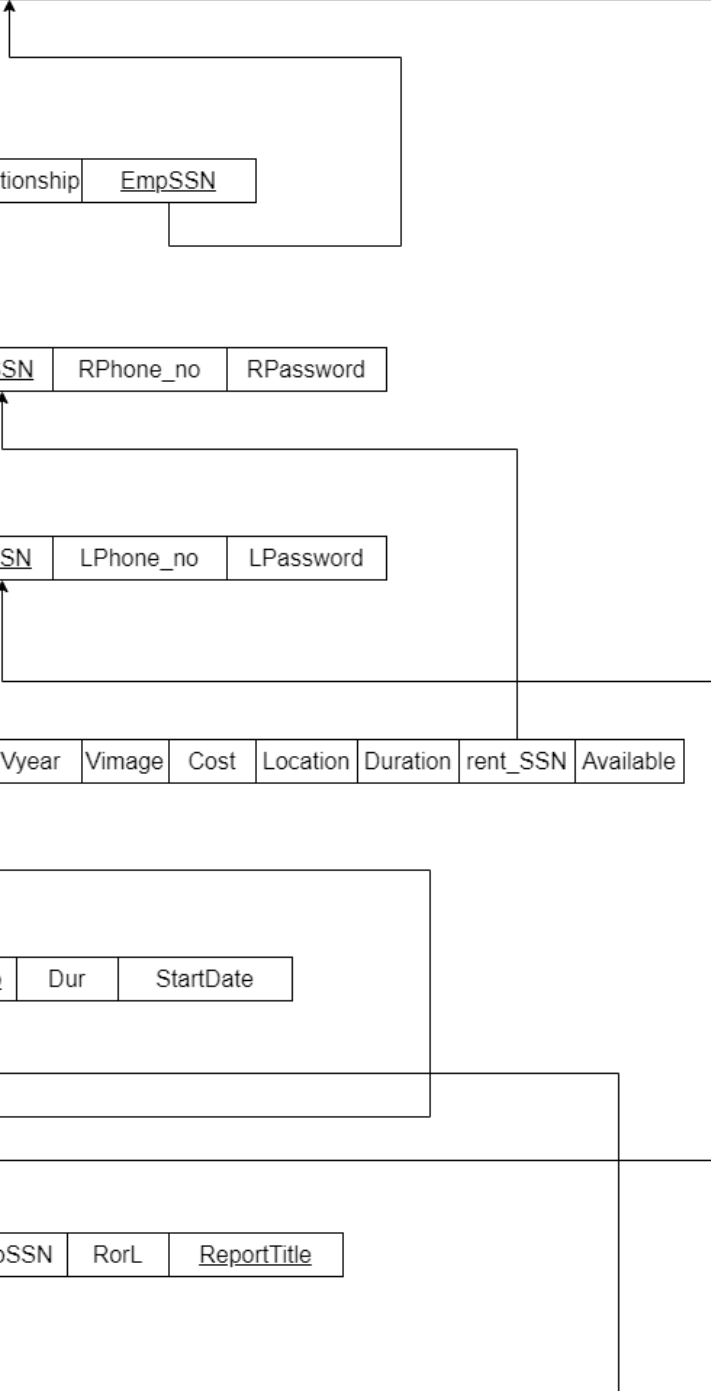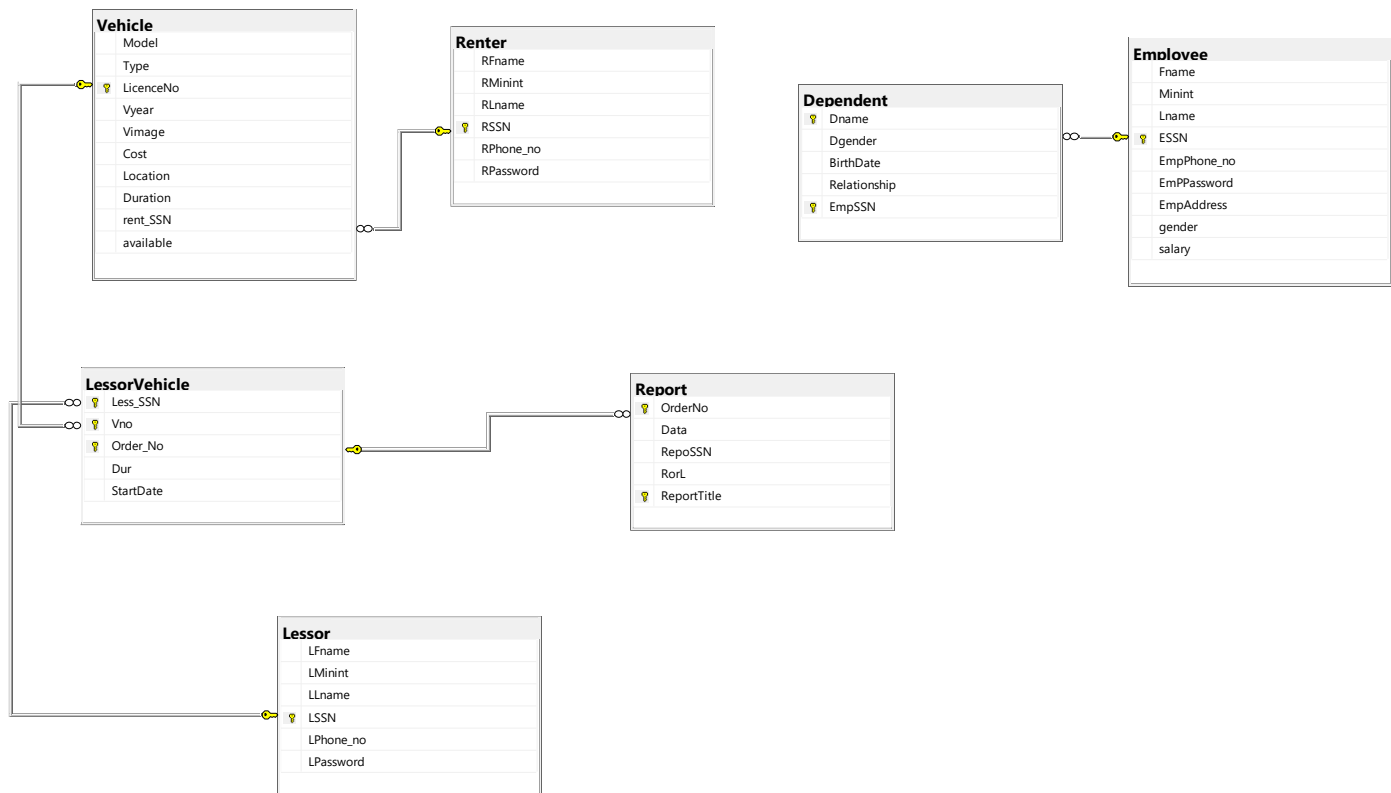
DATABASE CONSTRAINTS

- Entity Integrity Constraint .
- Referential Integrity Constraint .
- Primary Key Constraint .

DATATYPE CONSTRAINTS :

Employee

)

    Fname varchar(20)
    Minint char(1)
    Lname varchar(20)
    ESSN int
    EmpPhone_no char(11)
    EmPPassword varchar(20)
    EmpAddress varchar(50)
    gender char(1)
    salary int

)

Dependent

(
Dname varchar(20)
Dgender char(1)
BirthDate Date
Relationship varchar(15)
EmpSSN int
)

Renter

(
RFname varchar(20)
RMinint char(1)
RLname varchar(20)
RPhone_no char(11)
RPassword varchar(20)
)

Lessor

(
LFname varchar(20)
LMinint char(1)
LLname varchar(20)
LPhone_no char(11)
LPassword varchar(20)
)

Vehicle

(
Model varchar(20)
Type varchar(20)
LicenceNo int
Vyear char(4)
Vimage Image
Cost int
Location varchar(40)
Duration date
rent_SSN INT
available char(1)
)

LessorVehicle

(
Less_SSN int
Vno int
Order_No int
Dur date
StartDate date
)

Report

(
OrderNo int
Data varchar(500)
RepoSSN int
RorL char(1)
ReportTitle varchar(15)
)