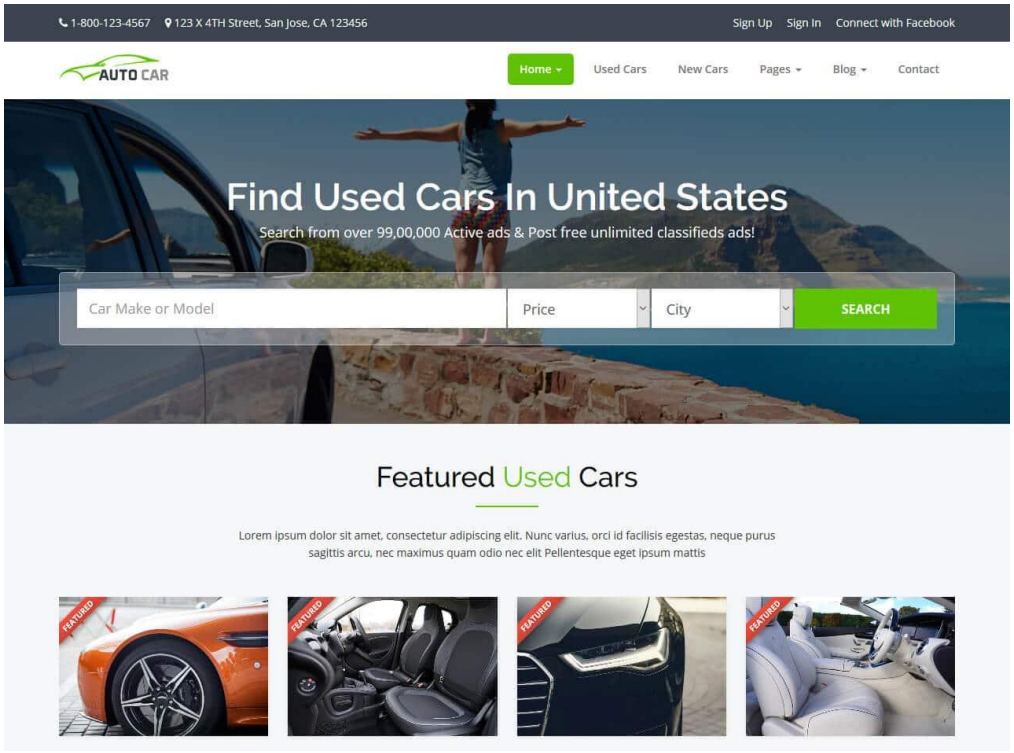
SOFTWARE ENGINEERING-MICROPROJECT

“Case Study Of Car Showroom Dealership”



This Car showroom management system is designed for such owners and users who are interested in cars. This system keeps track of all the cars along with their each and every single detail. From the date of manufacture to up to what price can one negotiate while taking that car, one can view all the data here. If someone is interested in buying the car, then he/she can contact the retailer as well for the same, via the system.

If someone has to buy a car or even interested in buying any car, then the person has to go to the showroom. Not only once, but every time, whenever he/she is looking for some fact, the only option left is to go to the showroom. This is very time consuming and very hectic as well. Sometimes, the buyer even lost interest because of this practice.

The proposed Car showroom management system is very effective. If someone is interested in buying any car, then he/she can check all the information related to the car in the given portal. He/she can even book the test drive within the system. The proposed system also helps the buyer to check which cars and companies are good for them, by showing them the past reviews about the car/companies. The proposed system is so helpful and effective.

Problem Statement-

Our project car showroom Delearship system includes managing the details of cars. customers, employees, and storing the details into the system in a computerised way.The modern industrial world is very much advanced in technology and the competition in the world is intense. The management system has been developed to override the problems prevailing in the practicing manual system.This software is supported to eliminate and in some cases reduce the hardships faced by the existing system; moreover this management system is designed for the particular need to carry out operations in a smooth and efffective manner. This kind of system reduces as much as possible type of errors while inserting the data. Every organization, whether big organization or small organization, has challenged to overcome all the loop holes of its management system.This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of informationand details for your future goals. Also for those busy executives who are always on the go, our system comes with remote access features, which will allow you to manage your workforce anytime, at all times.This kind of management system will ultimately allow you to manage the resources in a better way.

Requirement Analysis-

Functional requirements specify the expected behavior of the system. It describes which output must be produced for a given input. In a nutshell, it specifies the relationship between the input and the output of the system.

1) Requirement gathering and analysis:

First all the requirements regarding the software are gathered from the customer and then the gathered requirements are analysed. The goal of the analysis part is to remove incompleteness.

2) Requirement specification:

These analysed requirements are documented in a software requirement specification (SRS) document. SRS document serves as a contract between the development team and customers. Any future dispute between the customers and the developers can be settled by examining the SRS document.

SRS – Software requirement Specification

1) Topic- Case Study Of Car Showroom Dealership

2) Category- Web based

3) Purpose:

The purpose of the document is to collect and analyze all assorted ideas that have come up to define the system, its requirements with respect to consumers. The main purpose of this Car showroom is to develop a web based interface for Car showroom companies.

The main purpose of this Online Car Showroom is that it provides provision to customers to buy or book vehicles through online. The current system is offline system, in this to purchase vehicle the customer should visit to showroom. So this current system is very difficult because its time consuming. So our project aims at creating an web application which tracks Customer records, Online booking. Online Car records, etc and it provides easy to use web based interface for customers where customers can search for vehicles, view a complete details, models, features, pricing of the vehicles and book the vehicles.

4) Scope-

The name of the project is "CAR SHOWROOM DELEARSHIP". The main scope of this web application is that depicts online Vehicle showroom and booking vehicles through online. Customer can register to this site and he/she can book cars by entering his/her login information. Administrator is main user of this system and he/she can add employees, and new vehicle details**.**

5) Introduction-

In this Micro-project,we will create SRS on Car Showroom Dealership .this document is meant to delineate the features of Car Showroom Dealership. The aim of this document is to gather and analyse and give an in-depth insight of the complete Car Showroom Dealership by defining problem statement in detail. The project aims to develop SRS application to improve service to the customer and merchant which intern increase the sales and profit in “Car Showroom Dealership”. The detailed requirements of the Car Showroom Dealership are provided in this document. Also learn various diagrams diagram like Activity Diagram, DFD Diagram, Use Case Diagram etc.

6) Advantages-

1. It’s free!

2. Easy to set up in a few steps

3. Recognized by many organizations

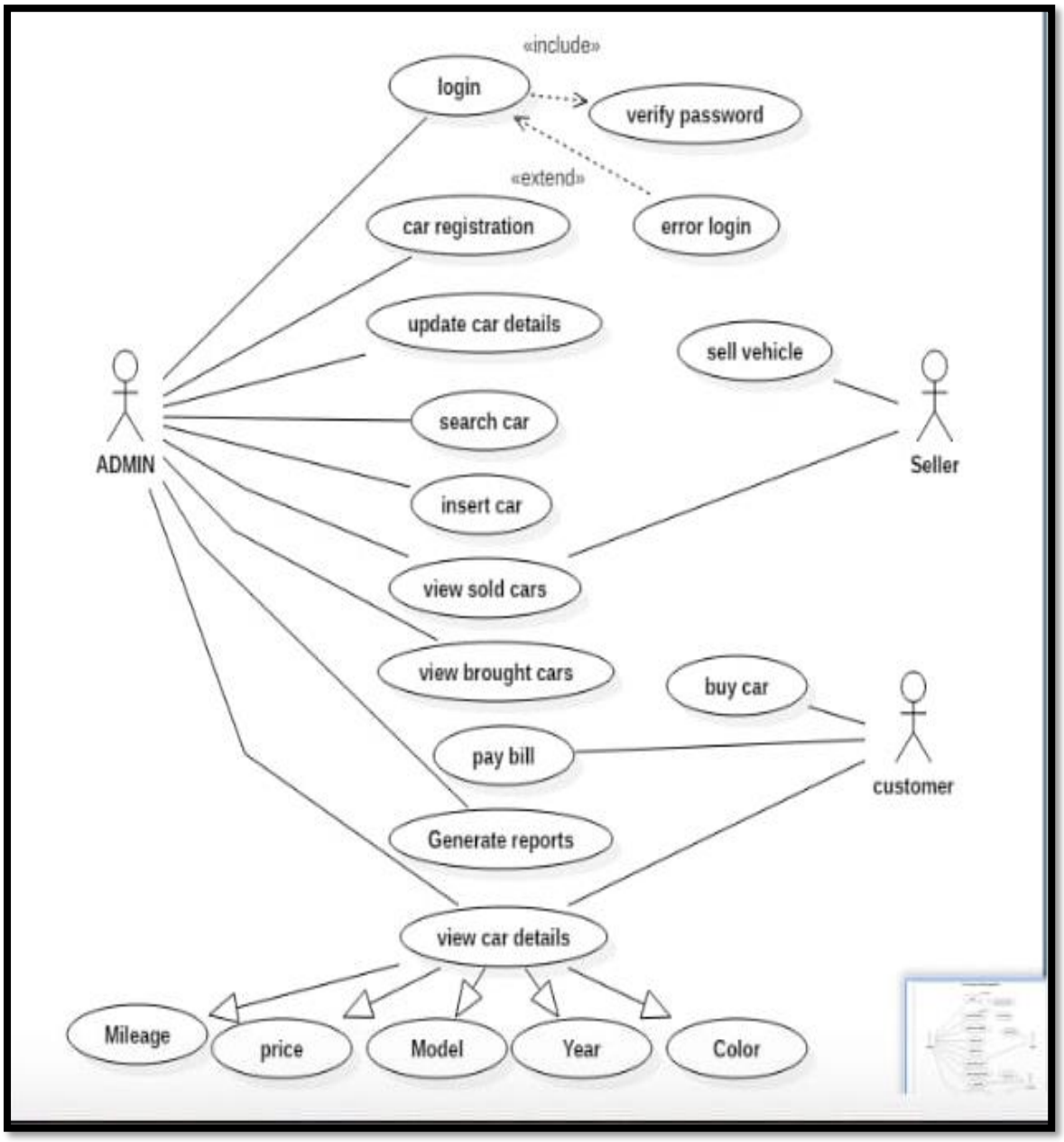
4. Comes with Google’s security

7) Functional Requirements-

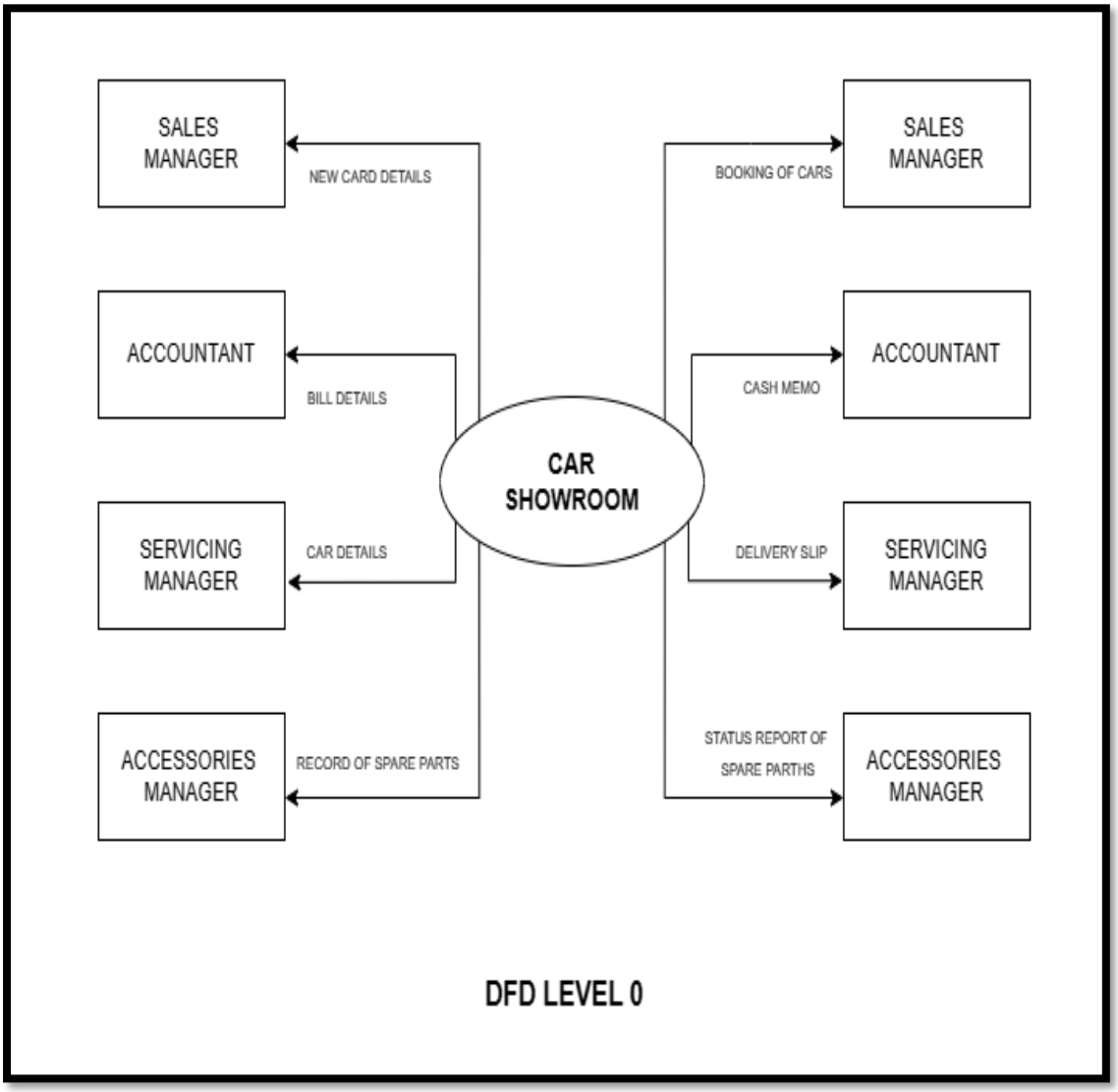
Functional requirements specify the expected behavior of the system. It describes which output must be produced for a given input. In a nutshell, it specifies the relationship between the input and the output of the system.

“UML DIAGRAMS”

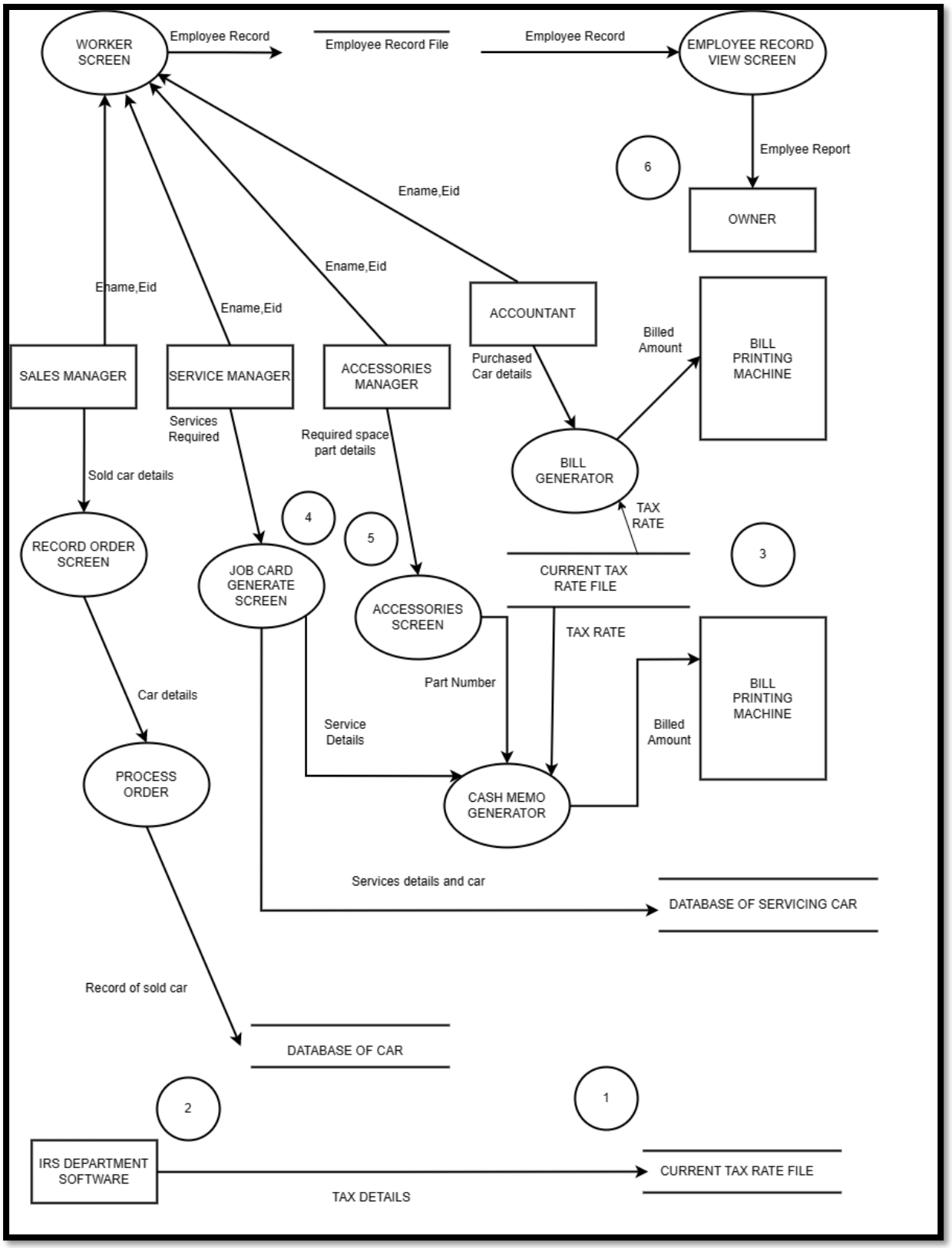
1) Use-case Diagram-



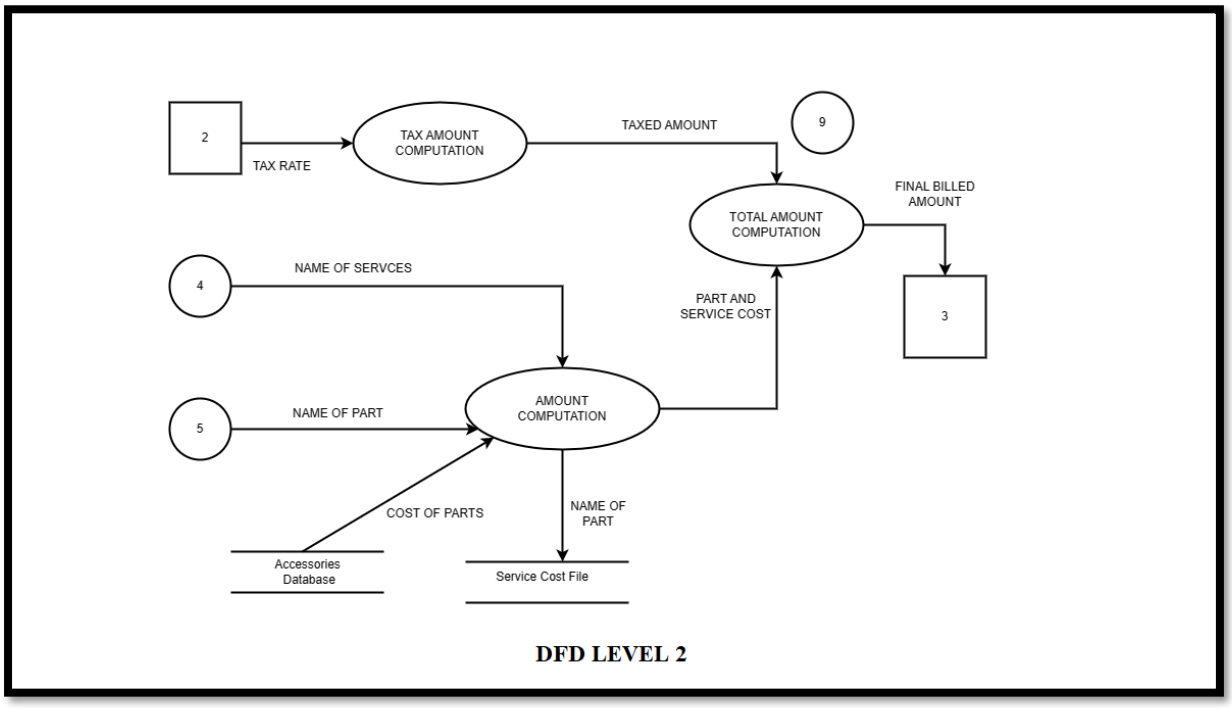
2) Data Flow Diagram-(DFD)



DFD Level 1

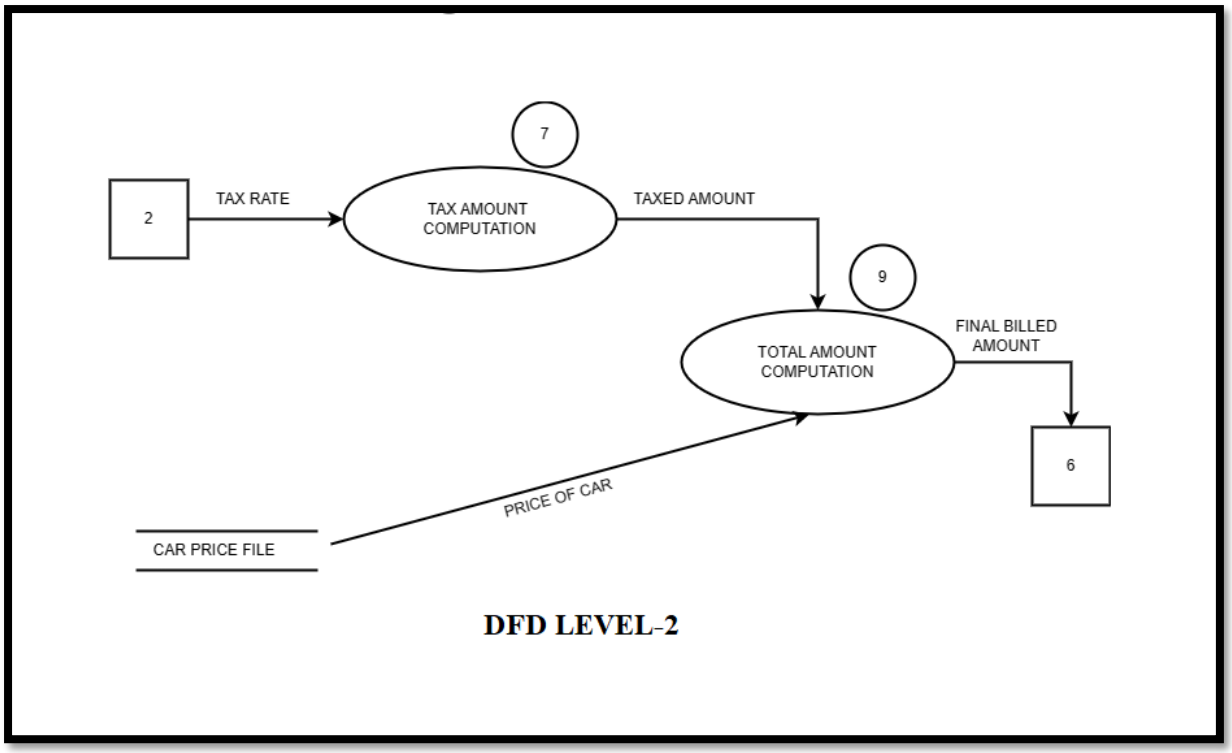

WORKER SCREEN
Employee Record
Employee Record File
Employee Record
EMPLOYEE RECORD VIEW SCREEN
Emplyee Report
6
OWNER
Ename,Eid
Ename,Eid
Ename,Eid
Ename,Eid
ACCOUNTANT
Billed Amount
BILL PRINTING MACHINE
SALES MANAGER
SERVICE MANAGER
ACCESSORIES MANAGER
Purchased Car details
Services Required
Required space part details
BILL GENERATOR
Sold car details
4
5
TAX RATE
3
RECORD ORDER SCREEN
JOB CARD GENERATE SCREEN
ACCESSORIES SCREEN
CURRENT TAX RATE FILE
TAX RATE
Part Number
BILL PRINTING MACHINE
Car details
Service Details
Billed Amount
PROCESS ORDER
CASH MEMO GENERATOR
Services details and car
DATABASE OF SERVICING CAR
Record of sold car
DATABASE OF CAR
2
1
IRS DEPARTMENT SOFTWARE
CURRENT TAX RATE FILE
TAX DETAILS

DFD Level 2- Cash Memo Generator



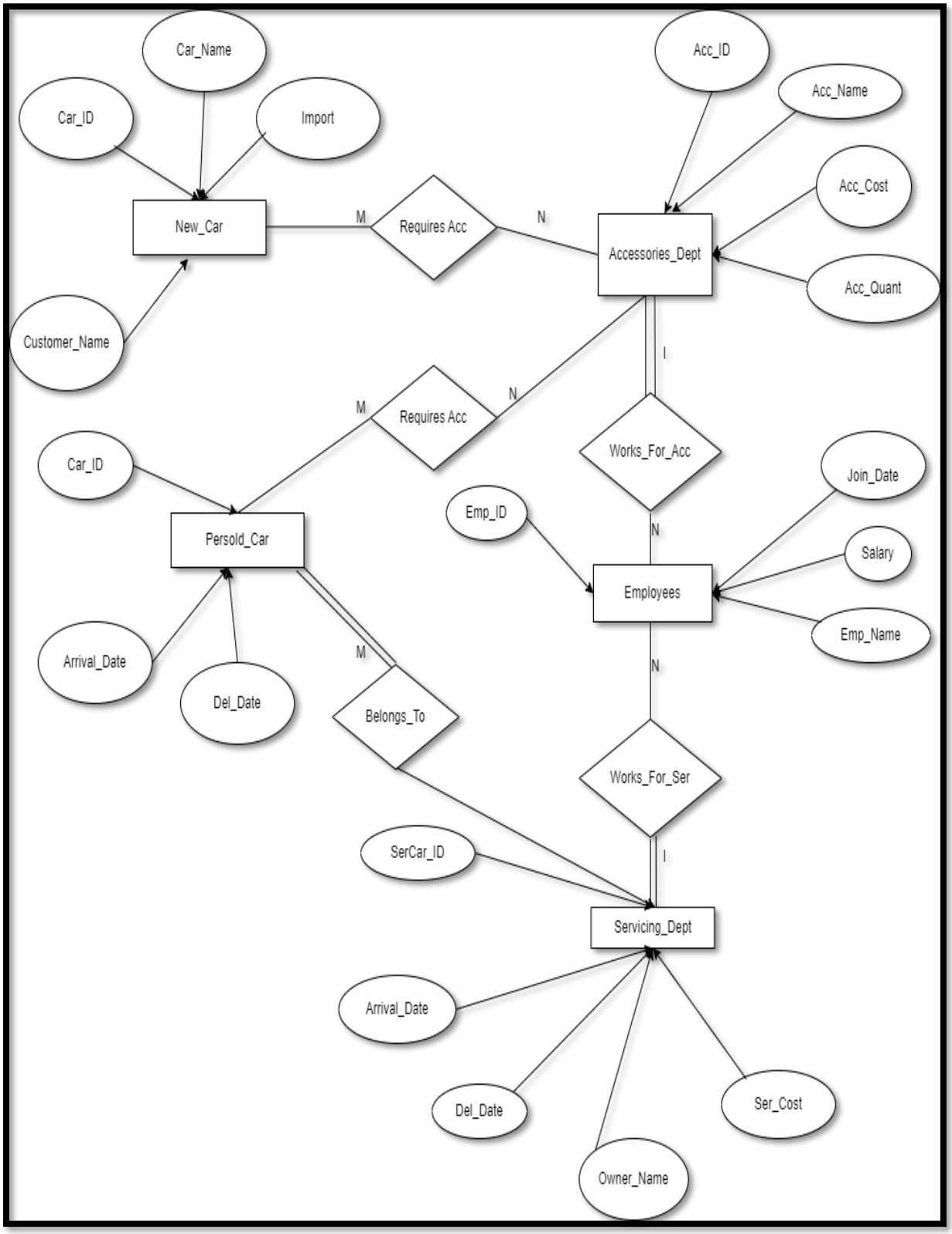
DFD LEVEL 2

DFD Level 2-Bill Generator

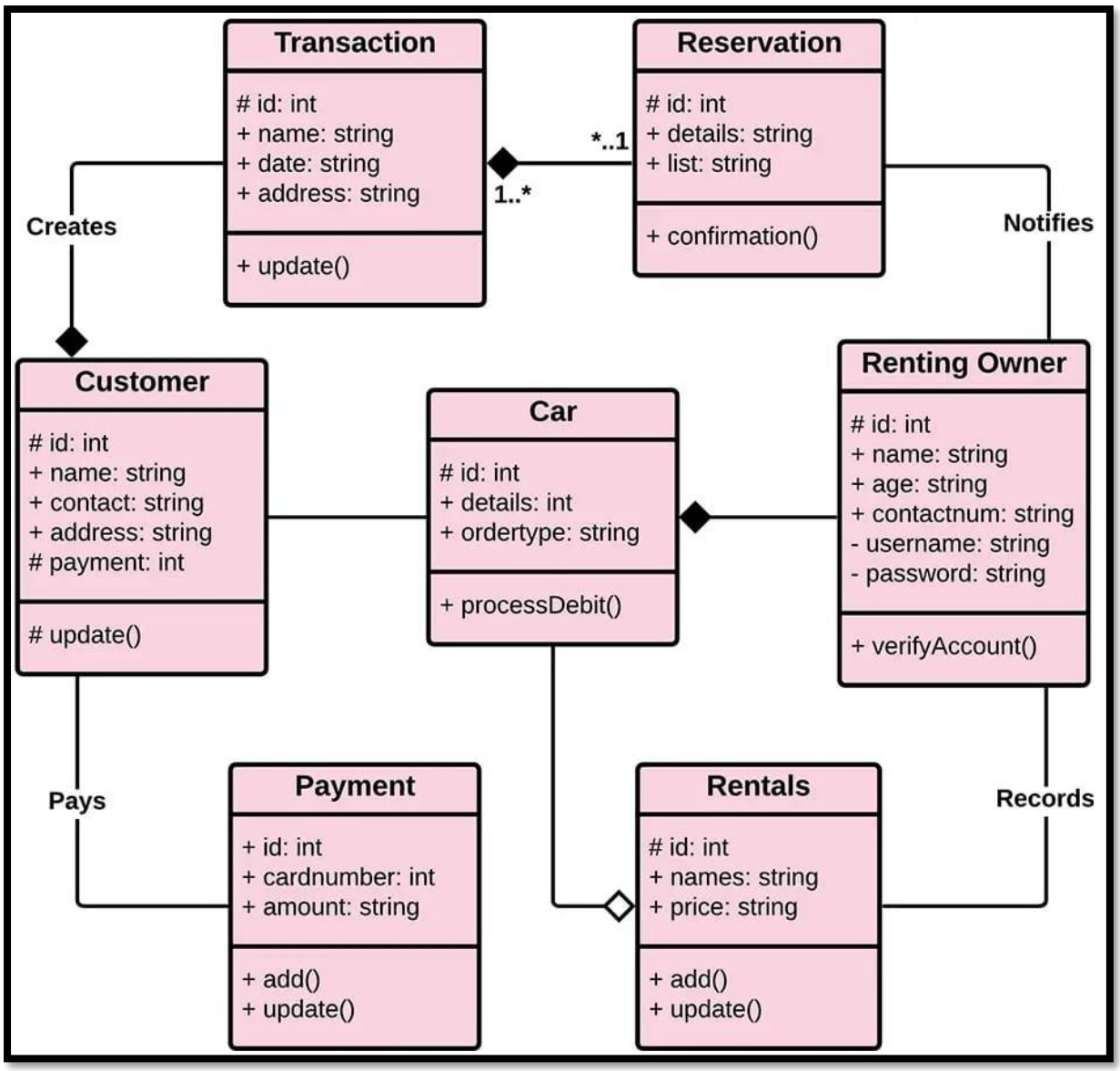


DFD LEVEL-2

3) E-R Diagram-


Car_Name
Car_ID
Import
New_Car
M
Requires Acc
N
Acc_ID
Acc_Name
Acc_Cost
Accessories_Dept
Acc_Quant
Customer_Name
I
M
Requires Acc
N
Works_For_Acc
Car_ID
Persold_Car
Emp_ID
Join_Date
Salary
Employees
Emp_Name
N
Arrival_Date
Del_Date
M
Belongs_To
Works_For_Ser
SerCar_ID
I
Servicing_Dept
Arrival_Date
Del_Date
Ser_Cost
Owner_Name

5) Class Diagram-



Thank You!!!