Section 1: Project Information:-

- ## Company Name

  Luxurious Cars

- ## Project Title

  Online luxurious cars buy/sell Management system

- ## Project Timeframe

  About 1-1.5 months

- ## Prepared By:-
  - Fahad Ishaq (FA20-BCS-017)
  - Bilal Shakir (FA20-BCS-013)
  - Fatima Mahsud(SP20-BCS-113)
  - Hammad Idrees(FA20-BCS-021)
  - Minahil Fatima(FA20-BCS-037)

- ## Attached Documentation

  This project is an online car purchasing app so it is compiled and coded in JAVA language using File handling as database.

- ## Project Contacts (any individuals involved in the project)

  This project involves none other than the project group members. The group members are mentioned above.

Section 3: Project Background and Objectives:-

- **Project Background**
Car showroom management system is a mini JAVA project that is used to contain and keep the complete record of Cars. This project keeps the records of car details, company, employees and the admin details, the aim of this project is to provide all the detailed functionality related to cars. We have developed all type of crud (create, read, Update and delete) operations of the car showroom management system.

- **Project Objectives**
This project is aimed at developing a mobile application that depicts online car showroom and booking four wheel vehicles online. All the customer have to is just register themselves and then login to their account to buy cars online. Its main purpose is to facilitate people, so they can make their purchases from their homes. Also it removes the need of many employees and space for the company.

Section 3: Project Methodology:-

This project is divided into three main entities which are

- Admin
- Customer
- Luxurious Car's Showroom.

We will explain each of them one by one.

1. Admin:-

Admin or Administrator is the main user of this website and he/she can add remove or edit all types of details related to the showroom. After login admins can also edit, delete or add customer details like name, phone, home address, type, and facility etc.

Admin Modules:-

- **Login page** (where Admin will login)
    - Username
    - Password

- **Home page**
    - Admin Profile details
    - Company name
    - First name
    - Last name
    - Password
    - Address
    - Contact number.

- **Showroom details.**
    - Showroom name
    - City
    - Address
    - Pin code
    - Contact number.

- **Search car details**

- **Add vehicle.**
    - Dealer id
    - Car description/features
    - Car name
    - Manufacturing date
    - Car model
    - Car price

- New cars purchase bill details and generation.

- Keep the record of the cars buying and selling.

View customer profile (Admin can view the customer details)

- Customer id
- Name, address, phone number, email.
- Car model purchased.
- Ordered date and delivery date.
- Price of car purchased.

➢ Monthly sales report generation.

1. **CAR MANAGEMENT MODULE:**

- **Adding new car details.**
    - ✓ Type of vehicle
    - ✓ Adding car's company's name
    - ✓ Adding car's colour, manufacturing details, Year of manufacturing, model number, engine number(like AXN-788), Manual/Auto, Serial Anumber. Stoke, fuel capacity, speed, Imported or Domestic, purchasing cost.
    - ✓ Adding Car's engine number, body number,

- **Edit the existing car details**. The above details will be same for the existing car's details.

- **View all the details of the car**. View all the details of the cars in the Showroom and the cars that have been sold to the owner.

- **View employees details**.
    - ✓ Full Name of the employee
    - ✓ Address and Phone number
    - ✓ SNN
    - ✓ Spouse Information
    - ✓ Email
    - ✓ Position and department
    - ✓ Emergency contact information

2. **Buying/Selling MODULE**

- Adding new bought Cars details
- Deleting the cars details
- View all the Cars details

➕ <u>Employee details:</u>

  o Number of imployees working in the showroom.
  o Name
  o Father name
  o Mobile number
  o Experience
  o Salary
  o Username
  o Gender qualification
  o Date of joining
  o Password

2. <u>CUSTOMER:-</u>

Costumer's login module, If he/she is buying for the first time then they have to sign up else then can just login to their account. After login they will be able to view the following modules,

1) **<u>Cars they have purchased till now and the complete information of the cars they have purchased till now.</u>**

2) **<u>Cars they want to purchase now and complete information of the cars they want to purchase.</u>**

3) **<u>Contact information of the dealer and the company's admin and the showroom admin.</u>**

4) **<u>Personal information, they can edit their personal information.</u>**

5) **Payment Method. There will be two payment methods, one is through online banking and the other is cash.**

This module has been developed for managing all the information of the customer, here admin can upload, delete, edit Customer.

- Admin can upload new customer
- Admin can view the details of the costumer.
- Admin can delete the existing customer
- Admin can see the list of all customers
  - ✚ <u>Customer details</u>
- o Name
- o Father name
- o Mobile number
- o Experience
- o Salary
- o Username
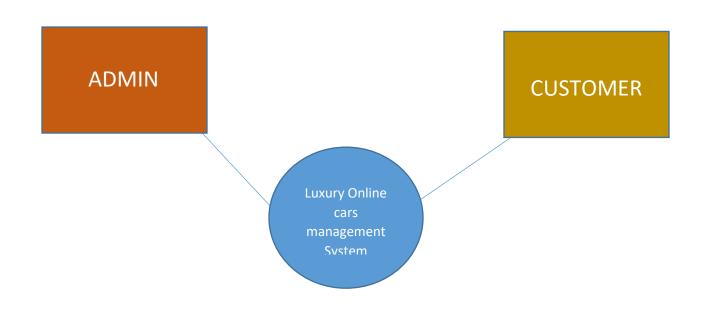- o Gender qualification
- o Date of joining
- o password

3. LUXURIOUS CAR'S SHOWROOM Module :

This module includes the following details:

1) <u>About us, In this submodule there will be the information of the company's owners, years of excellence of the company, Dealer's contact information , that will be his email and mobile phone number.</u>

2) <u>New Models of the cars</u>

3) <u>Imported Cars</u>

4) <u>Sports Cars</u>

5) <u>The details of the cars will be provided like car's colour, manufacturer company, model, price and so n. This module can only be edited by dealer and the company's owner that is the Admin.</u>

MAIN MODULES BLOCK DIAGRAM:-

<div style="border: 2px solid black; padding: 20px;">
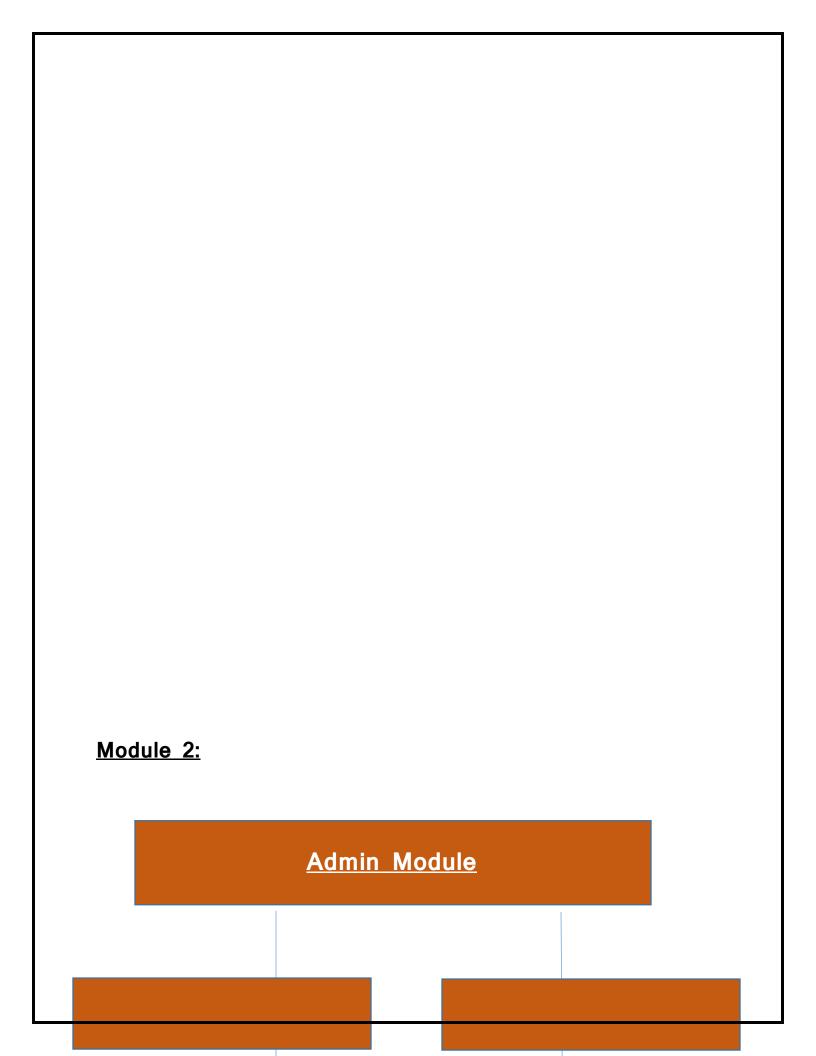
SHOWROOM

MODULE

Detailed Flow Diagram:

Module 1:

LUXURIOUS CAR'S SHOWROOM

About US!

Car Details.

</div>

Module 2:

Admin Module

MANAGE

EMPLOYEE DETAILS

MANAGE

CUSTOMER DETAILS

Module 3:

Customer Module

New Customer Sign up

Existing Customer Login

Customer All previous records

Customer All personal Information