

## Index

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Aim: System Project – **Vehicle Management System**

Theory:

Software Requirement Specification

Problem Definition

Introduction

Overall Description

Specific Requirement

Front End Description

Back End Description

Data Structure

Result

ER Diagram

Screenshot of Project

### **Abstract:**

A system has been developed and is now installed in over 2000 commercial vehicles which allows a company to manage efficiently its fleet of vehicles. The system uses GPS and an axle-driven odometer to determine the location of the vehicle but, unlike many tracking systems, the data is compressed and stored on the vehicle. When the truck returns to base, a low power packet radio interface is used to download the data automatically to a computer which maintains a database of all vehicle movements. The main advantage of this system is that running costs are extremely low because the wireless interface used to download the data is license exempt. Whilst the technology involved cannot be described as state-of-the-art, this system clearly shows how a careful combination of software and hardware can produce an extremely cost-effective solution to a problem.



## INTRODUCTION

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The project '**Vehicle Management System**' deals with the maintenance of the records of the different categories of vehicles and their owners. The user of this program can add records of the vehicles and their owners, view these records and can also edit them.

This project is basically aimed for the Road and Transport Office which have large number of records of different types of vehicles to be maintained. The project makes it easier to search these records and edit them. The project has a very user friendly interface and all the operations that can be performed in the project are self explanatory. It reduces the effort required to manually maintain all these records.

This project will really reduce the laborious record keeping.

### Problem Definition:-

Today the world is considered as a competitive world where everybody seeks for accuracy in least time.

Earlier paper work was the means to keep various records. It was very time consuming and not even that accurate. So, we decided to design and develop the Project called **VEHICLE MANAGEMENT SYSTEM** which eliminates the paper work and provides better option to the people for their Vehicle records. It deals with the maintenance of the records of the different categories of vehicles and their owners. The user of this program can add records of the vehicles and their owners, view these records and can also edit them.



## PURPOSE:

The purpose of this document is to describe all the external requirements for a manual management system. It also describes the interface for the system.

## SCOPE:

This document is only one that describes the requirements of the system. It is meant for use by the developers and will also be the basis for validating the final delivered system. Any change made to the requirement in future will have to go through a formal change approval process the developer is responsible for asking the clarification where necessary and will not make any alterations.

## Objective :

- i) To develop a web based vehicle management system to empower Automobile shop.
- ii) To handle vehicle requisition, scheduling, maintenance and driver workload more efficiently.
- iii) To provide appropriate interface to the administrator and different level of application users.
- iv) To store and update the detailed information to ensure transparency and accountability.

## References:

Google , Youtube

## Tools used:

- HTML: Page layout has been designed in HTML
- CSS: CSS has been used for all the designing part
- JavaScript: All the validation task and animations has been developed by JavaScript
- PHP: All the business and frontend logic has been implemented in PHP
- MySQL: MySQL database has been used as database for the project .

## The Overall Description:

## REQUIREMENTS

A computer system with the following specifications:

### **HARDWARE REQUIREMENTS:**

- 100 MB Hard Disk
- 256 MB RAM
- DVD R/W
- VGA Monitor
- 110 Keys Keyboard
- Optical Mouse
- Printer

### **SOFTWARE REQUIREMENTS:**

- Operating System (Windows XP/Vista)
- MS-Office
- XAMPP

### **Algorithm :**

1st Step: Extract file

2nd Step: Copy the main project folder

3rd Step: Paste in xampp/htdocs/

4th Step: Open a browser and go to URL “http://localhost/phpmyadmin/”

5th Step: Then, click on the databases tab



6th Step: Create a database naming “vehicle management” and then click on the import tab

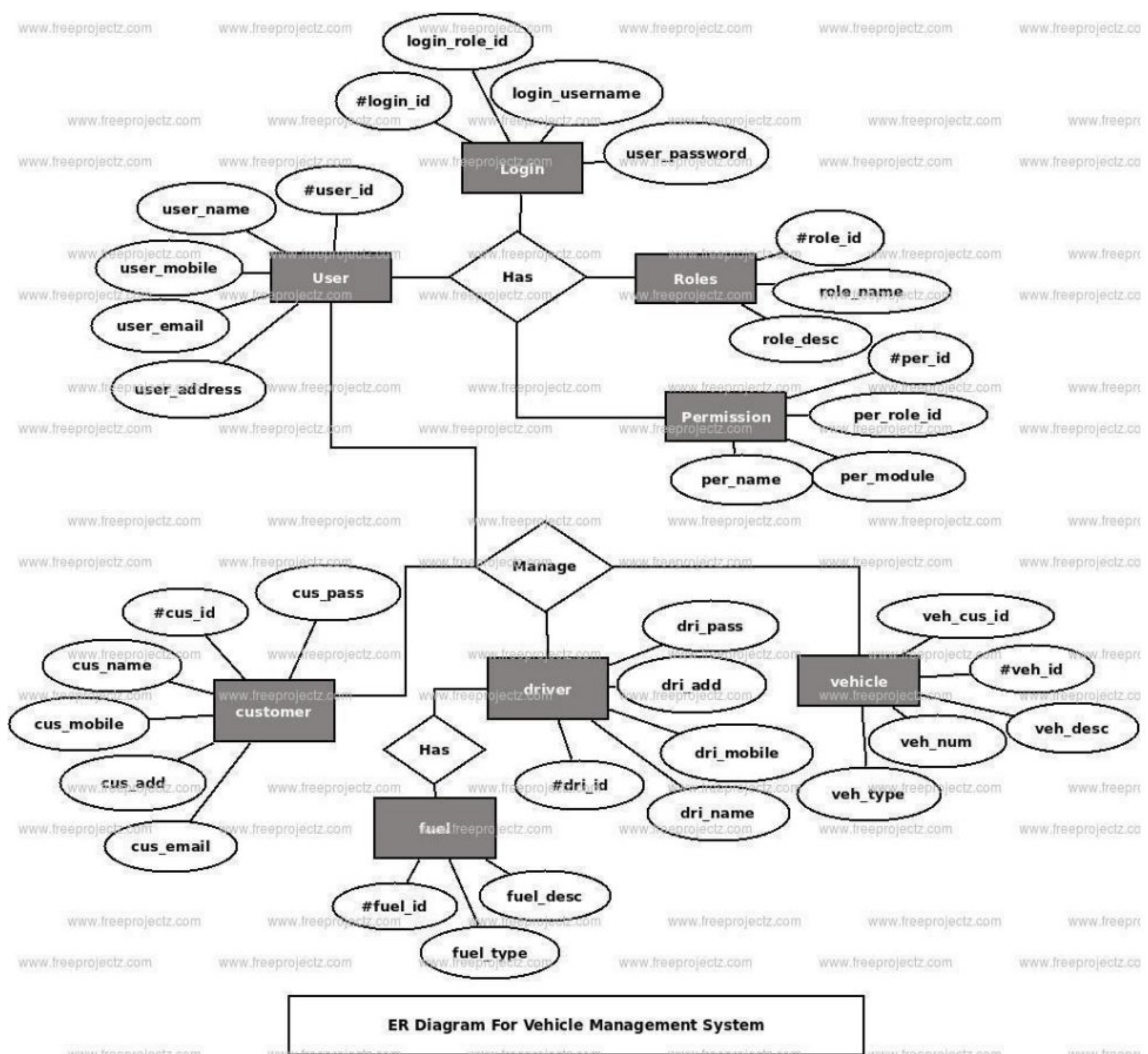
7th Step: Click on browse file and select “vehicle\_management.sql” file which is inside the “Vehicle-Management” folder

8th Step: Click on go.

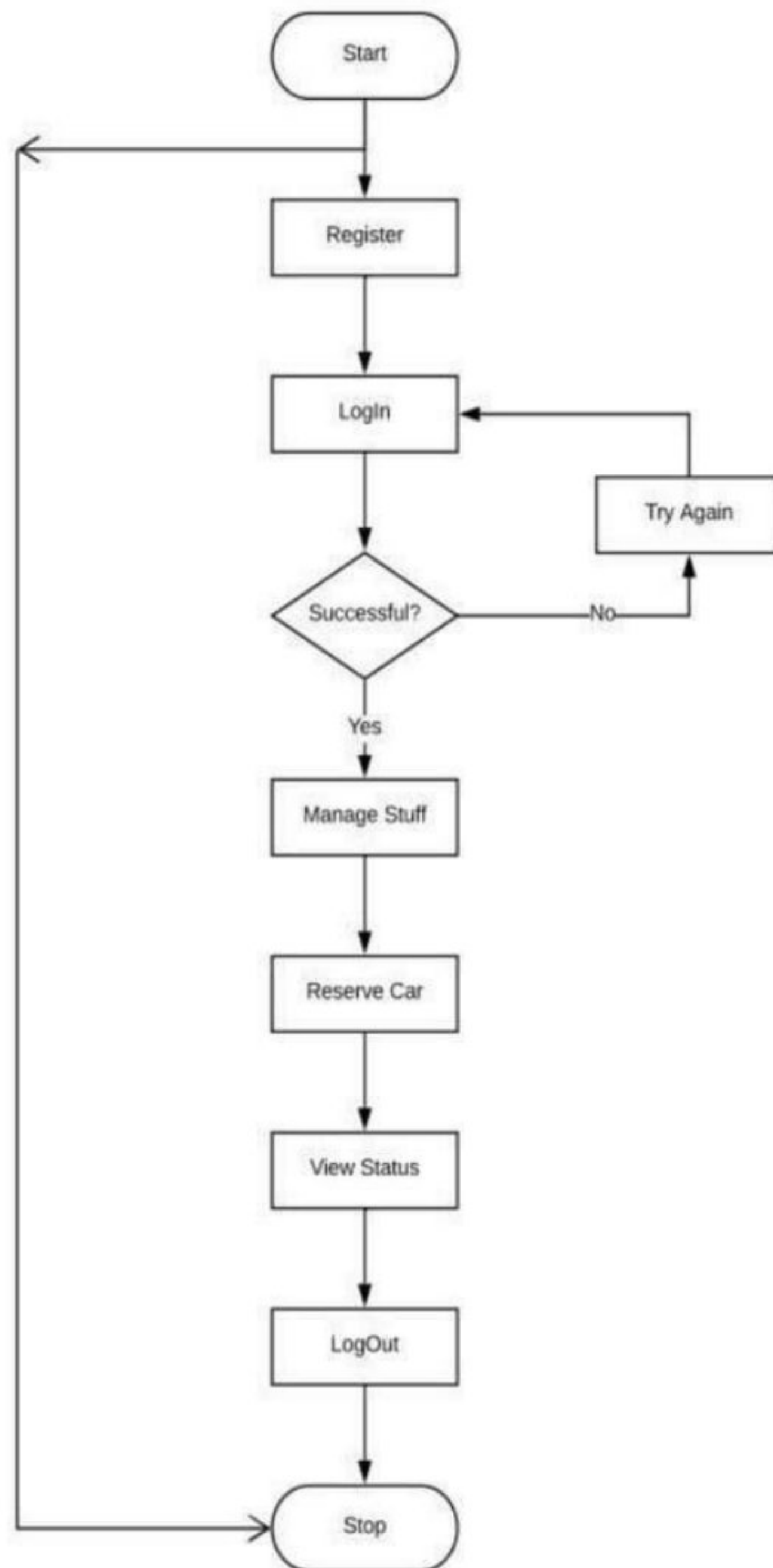
After Creating Database,

9th Step: Open a browser and go to URL “http://localhost/Vehicle-Management/”

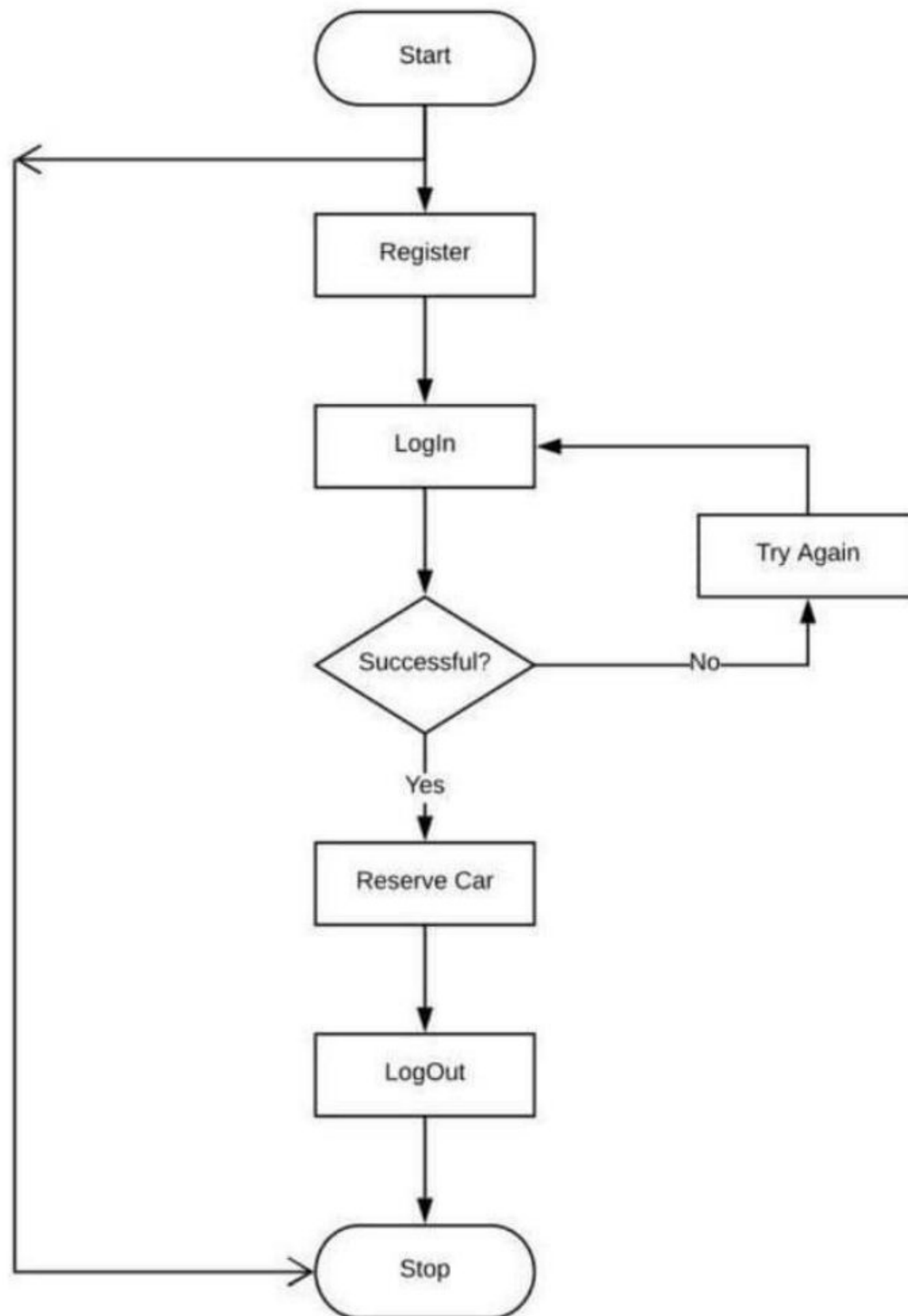
ER DIAGRAM :



➤ Flow chat on system admin side:

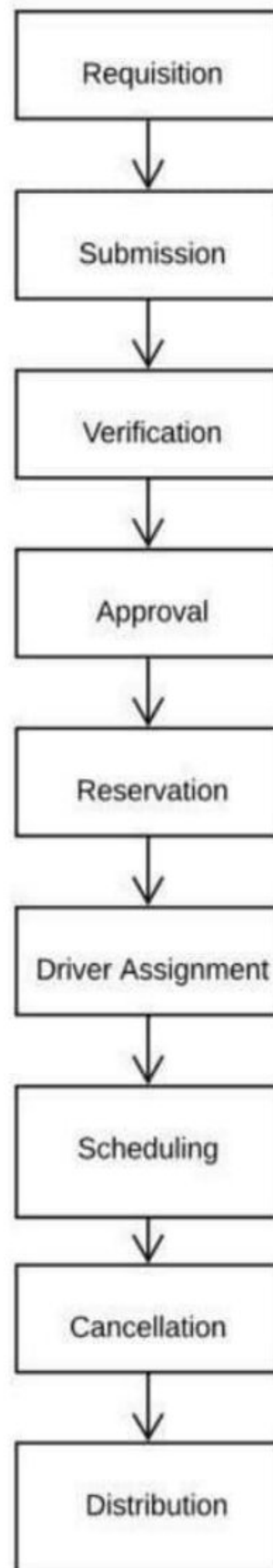


➤ Flow chat on client side:





## PROCESS FLOW :



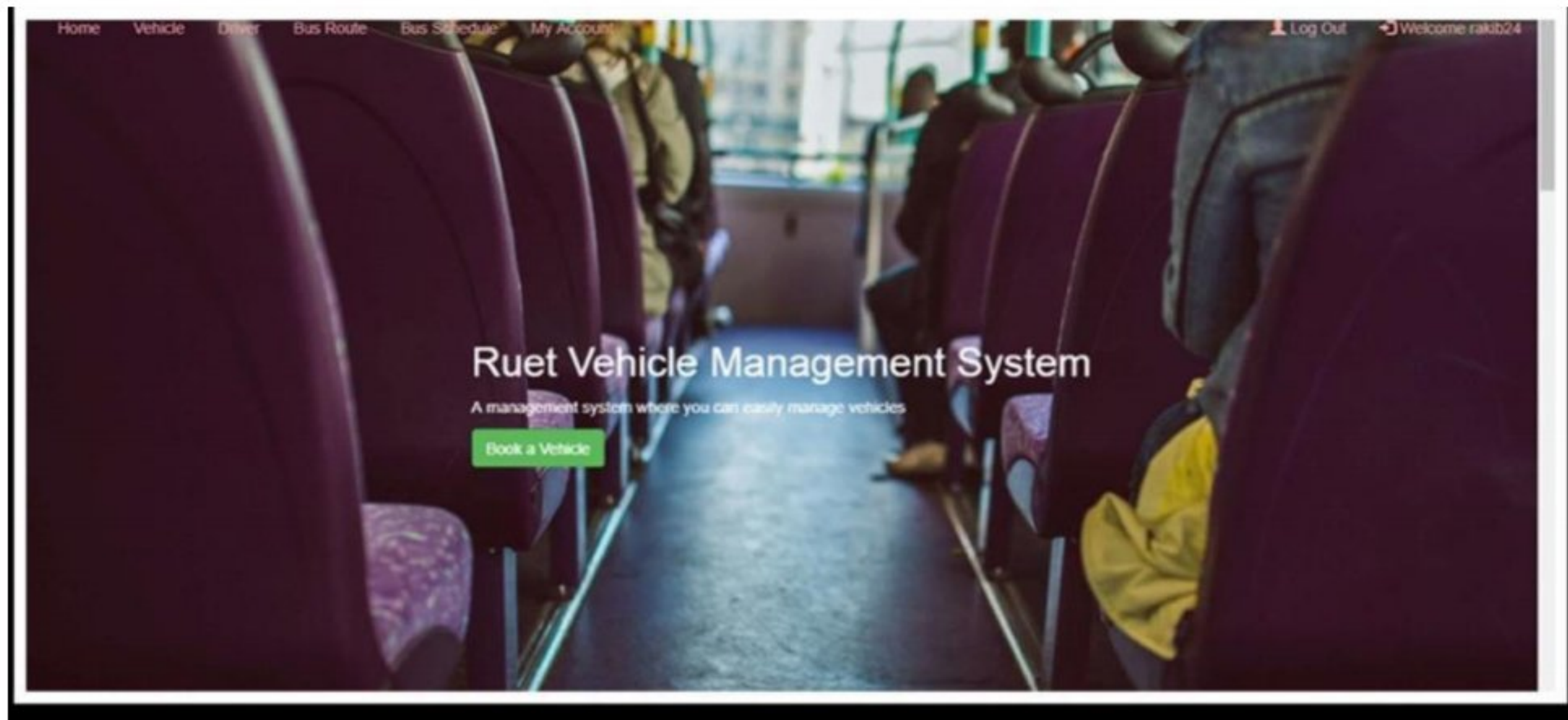
## **Conclusion:**

As a conclusion, the outcomes of this project will act as the basis to the system. development generally. The system can provide many benefits in many ways to liMP and the most important thing is that the objective of the project must be fulfilled to ensure the development of the system is an achievement.

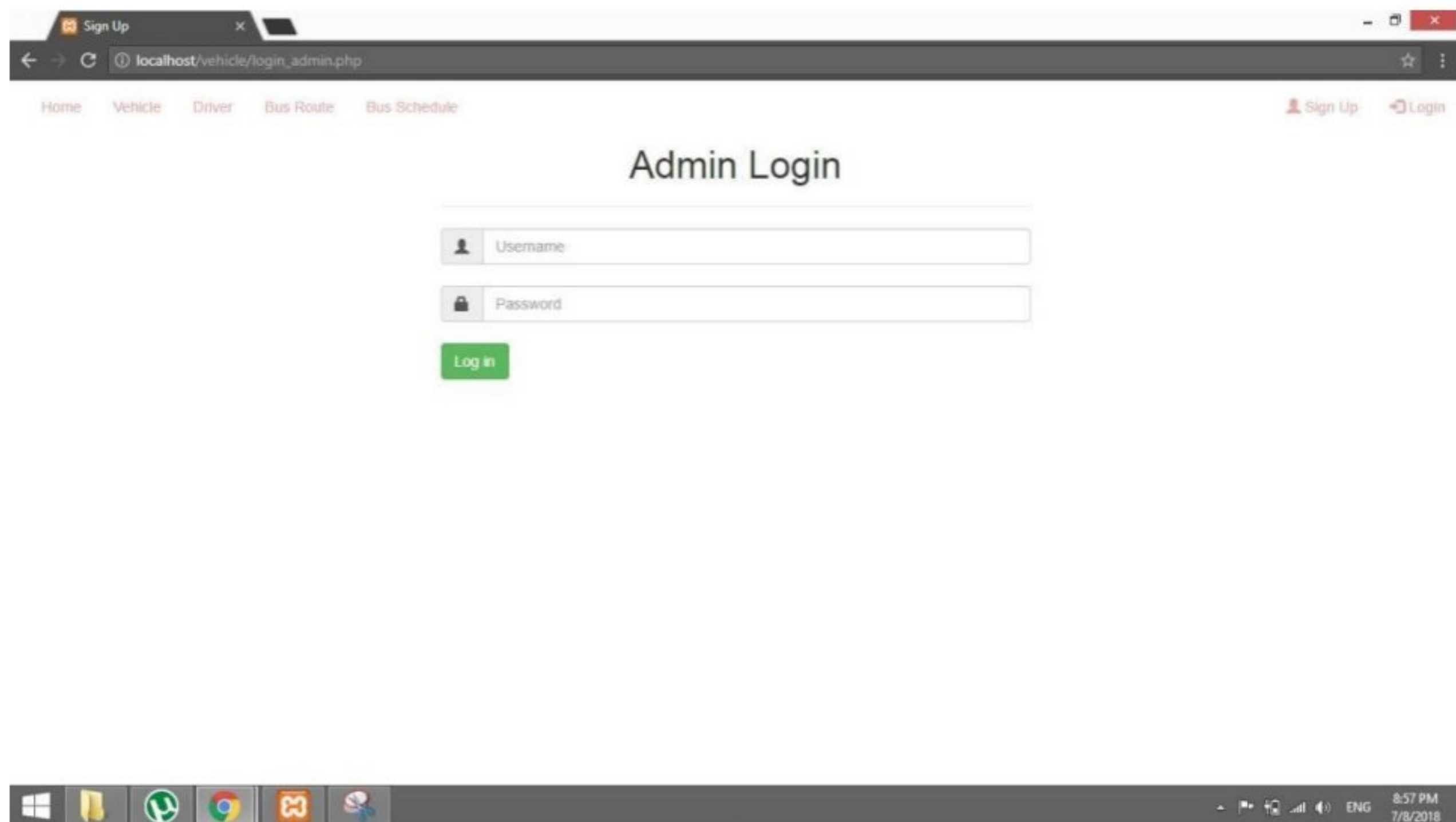


## OUTPUT :

### Home screen



### Admin login



## Vehicle list




Browser tabs: List of Drivers, localhost / 127.0.0.1 / ve...

Address bar: localhost/vehicle/buslist.php

Navigation: Home, Vehicle, Driver, Bus Route, Bus Schedule, My Account

Log Out, Welcome rakib24

### Vehicle List

Bus Picture	Bus Registration No
	ga-259723
	cho-301294
	go-190312

Taskbar: Windows, File Explorer, WhatsApp, Chrome, Firefox, Edge, System tray: ENG, 8:54 PM, 7/8/2018

## Driver list




Browser tabs: List of Drivers, localhost / 127.0.0.1 / ve...

Address bar: localhost/vehicle/driverlist.php

Navigation: Home, Vehicle, Driver, Bus Route, Bus Schedule, My Account

Log Out, Welcome rakib24

### Drive List

Profile Picture	Driver Name
	fahim
	Arman
	XZasd

Taskbar: Windows, File Explorer, WhatsApp, Chrome, Firefox, Edge, System tray: ENG, 8:54 PM, 7/8/2018




Bus Route

vehicle management sys1localhost / 127.0.0.1 / ve

localhost/vehicle/route.php

HomeVehicleDriverBus RouteBus ScheduleMy AccountLog OutWelcome: rakib24

Bus Route



Windows taskbar with icons for File Explorer, WhatsApp, Chrome, and others. System tray shows ENG and 8:54 PM 7/8/2018.

Bookings

Bookinglocalhost / 127.0.0.1 / ve

localhost/vehicle/booking.php

HomeVehicleDriverBus RouteBus ScheduleMy AccountLog OutWelcome: fahad

Booking

Name

ibtihaj ahmed

Department

department

Vehicle Type

☒ Car ☐ Bus

Date of Requirement

Day the car is needed

8 : 55 PM

Date of Return

Day the car is returned

8 : 55 PM

Destination

Car Destination

Pickup Point

pickup

Reason for booking

Reason of booking the vehicle

Email

fahad@gmail.com

Mobile

Mobile No.

Windows taskbar with icons for File Explorer, WhatsApp, Chrome, and others. System tray shows ENG and 8:55 PM 7/8/2018.

New Driver form

New Driver

localhost/vehicle/newdriver.php

LogoutVisit Site

Add New Driver

Add New Vehicle

Billing

Booking

Trip Details

New Driver Form

Driver Name

Name

Mobile

Mobile No

Driver Joining Date

Joining date

National ID

Nid No

License No

License No

License End Date

Validity date

Driver Address

Choose File

No file chosen

localhost/vehicle/newdriver.php

Windows Explorer

WhatsApp

Google Chrome

Firefox

Opera

8:58 PM

7/8/2018