CS631 008 - Data Management Systems Design

Woody's Automotive Online Application Project

Final Project Phase -3

Deliverable – 3

Professor Mr. Michael Renda

Team Number:10

Pavithra Bobbala (pb543)

Damodhar Mahidhar Tanniru (dt378)

Gayatri Aavula (ga348)

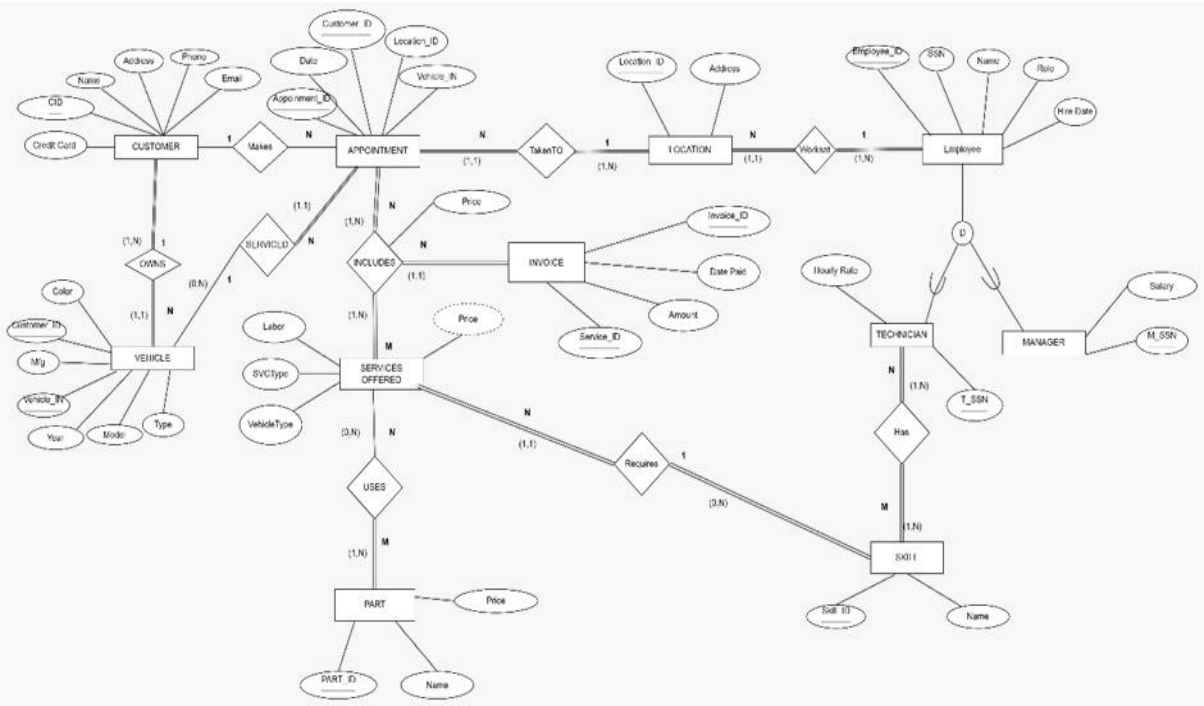
Goal of this project:

The purpose of this project is to provide a user-friendly application program interface for Woodys Automotive. We built a full-stack application with Angular JS, Node JS and xampp for database generation. To hold our data, we constructed 5 database tables for Appointment, Employee details, location details, login details, vehicle details.

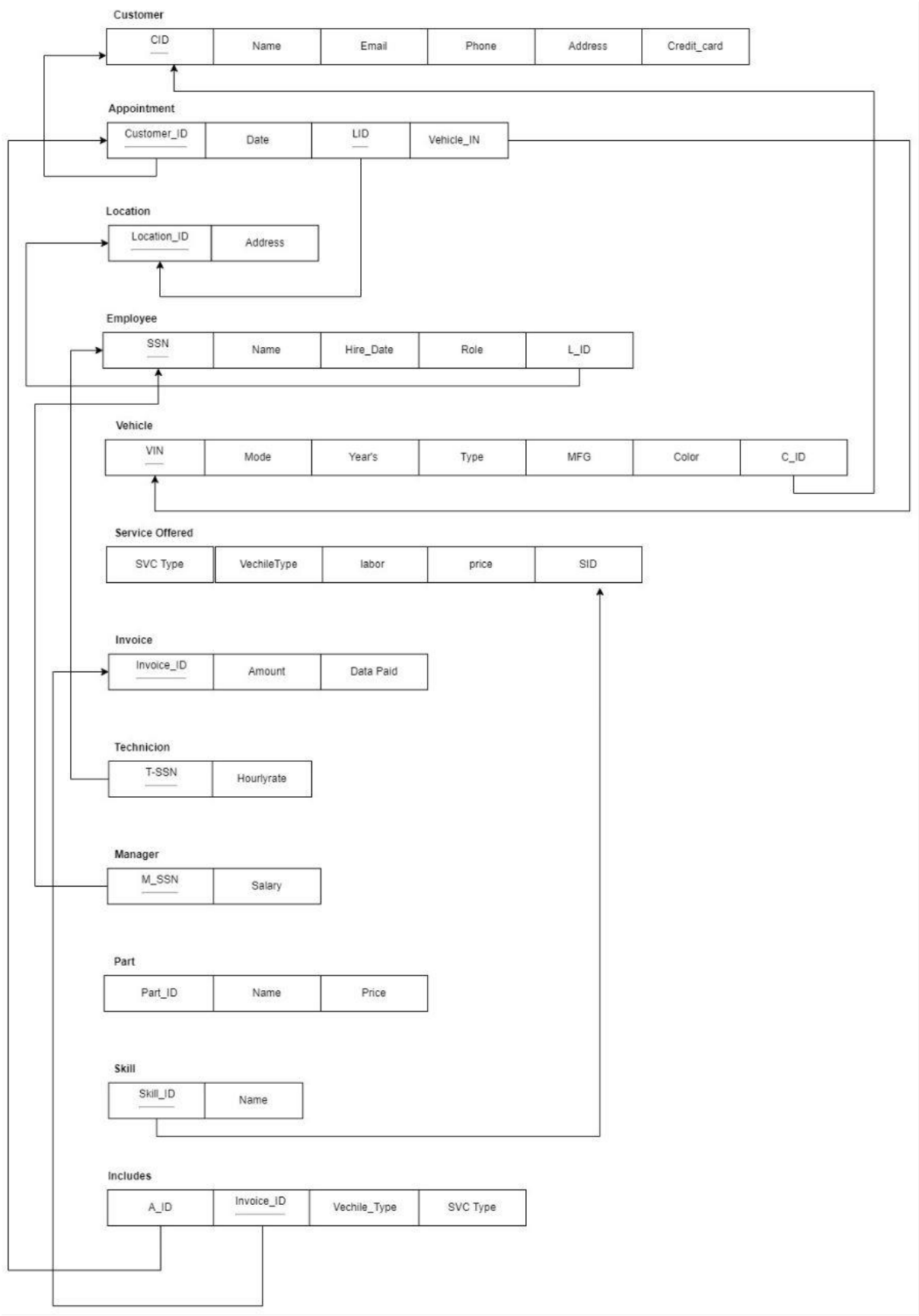
Problem Faced:

- We were unable to build the payment portal utilizing credit cards due to technical difficulties and hence eliminated it.
- We ran into problems when we lost connections between our project's code and the database, resulting in incorrect and, in some cases, no output at all.

EER Diagram:



SCHEMA DIAGRAM:



User Guide:

1. Our application begins on our website's homepage, where we are asked to pick between admin page and login page.
2. Login page goes to the login or register page, where a customer can register if they are new to the website.
3. Then redirects back to the login page.
4. Now the users can signs in and the customer register form appears.
5. In the right corner, vehicle customer drop down will appear in that we can click on vehicle registration for register the vehicle.
6. Details have to be entered in the vehicle registration page if they are new users to the service.
7. After the details entered, a pop up appears as vehicle registered successfully.
8. After registering the vehicles, customers can book the service appointment and they can check the prices of each service type.
9. On the admin side, manager will login to the admin page.
10. Admin page will shows that the manager will choose to assign a vehicle to the employee
11. Manager will update the tickets after the task is assigned, in progress and completed.

SQL COMMANDS FOR CREATION OF TABLES:

Employee Details Table:

```
CREATE TABLE employee_details
( EID INT(10) AUTO_INCREMENT,
SSN VARCHAR(20),
employee_Name VARCHAR(20),
employee_Role VARCHAR(20),
hire_date DATE,
LID INT(10),
PRIMARY KEY (EID));
```

Login Details Table:

```
CREATE TABLE logindetails
(CID INT(10) AUTO_INCREMENT,
firstname VARCHAR(20),
lastname VARCHAR(20),
role VARCHAR(20),
email VARCHAR(20),
password VARCHAR(20),
phone INT(10),
creditcard VARCHAR(20),
address TEXT,
PRIMARY KEY (CID));
```

Vehicle Details Table:

```
CREATE TABLE vehicle_details
( color VARCHAR(20),
model VARCHAR(20),
year INT(20),
vehicle_In VARCHAR(20),
mfg VARCHAR(20),
type INT(10),
CID INT(20),
PRIMARY KEY (vehicle_In));
```

Location Details:

```
CREATE TABLE location_details
( LID INT(10) AUTO_INCREMENT,
location_address TEXT,
PRIMARY KEY (LID)
);
```

Appointment Table:

```
CREATE TABLE appointment
( AID INT(10) AUTO_INCREMENT,
appointment_date VARCHAR(20),
vehicle_In VARCHAR(20),
status VARCHAR(20),
```

servicetype VARCHAR(100),

assignto VARCHAR(20),

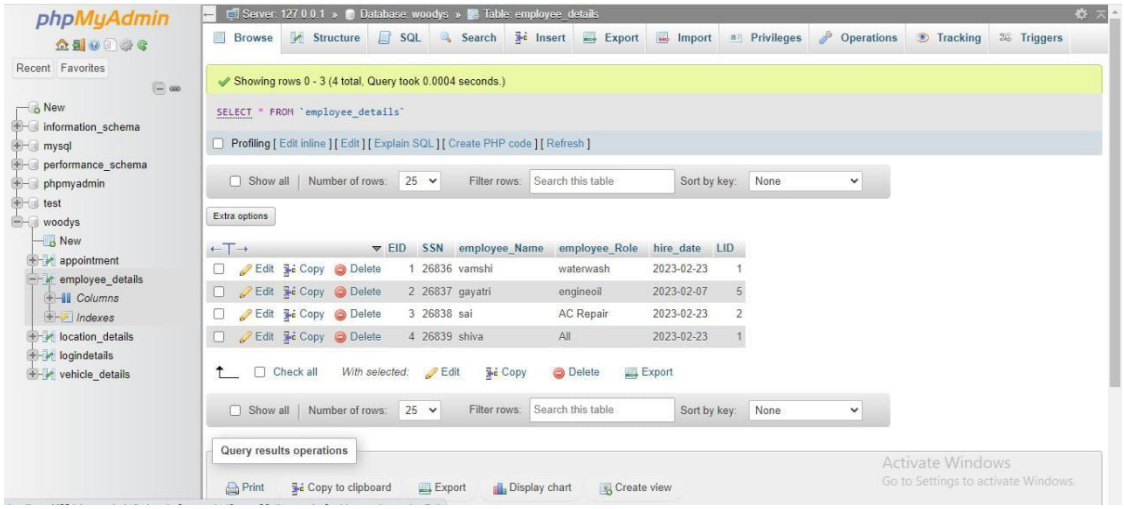
LID INT(10),

CID INT(10),

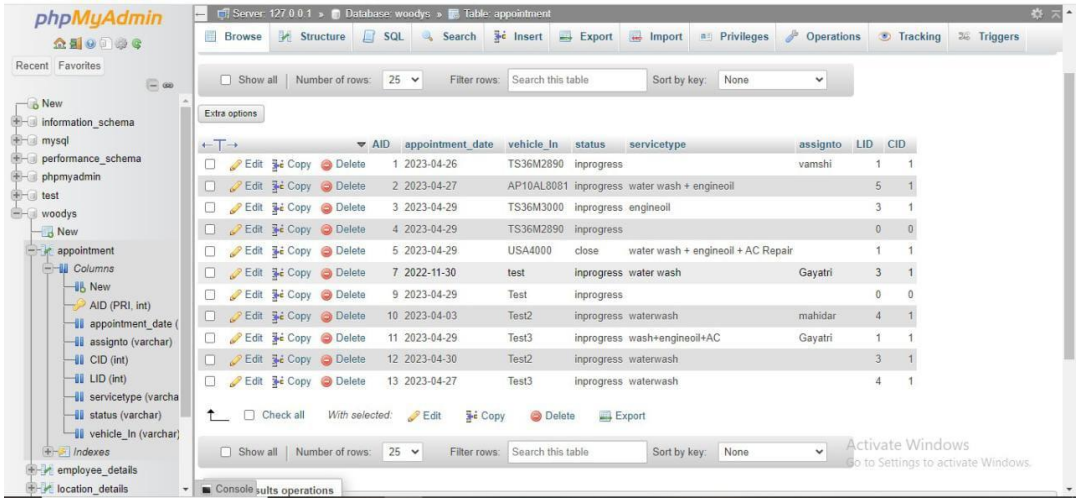
PRIMARY KEY (AID));

SQL QUERIES FOR POPULATION OF TABLES:

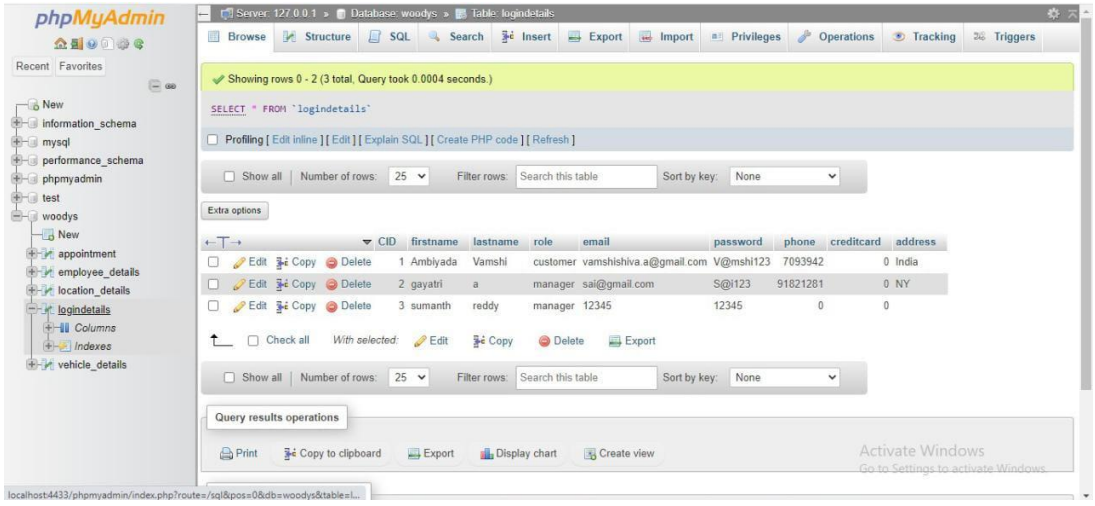
Employee Table:



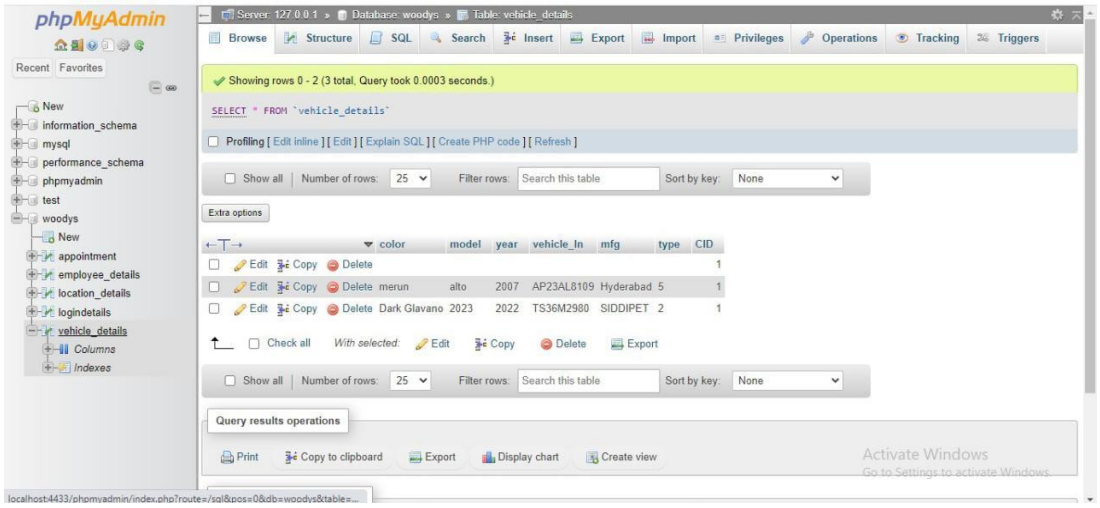
Appointment Table:



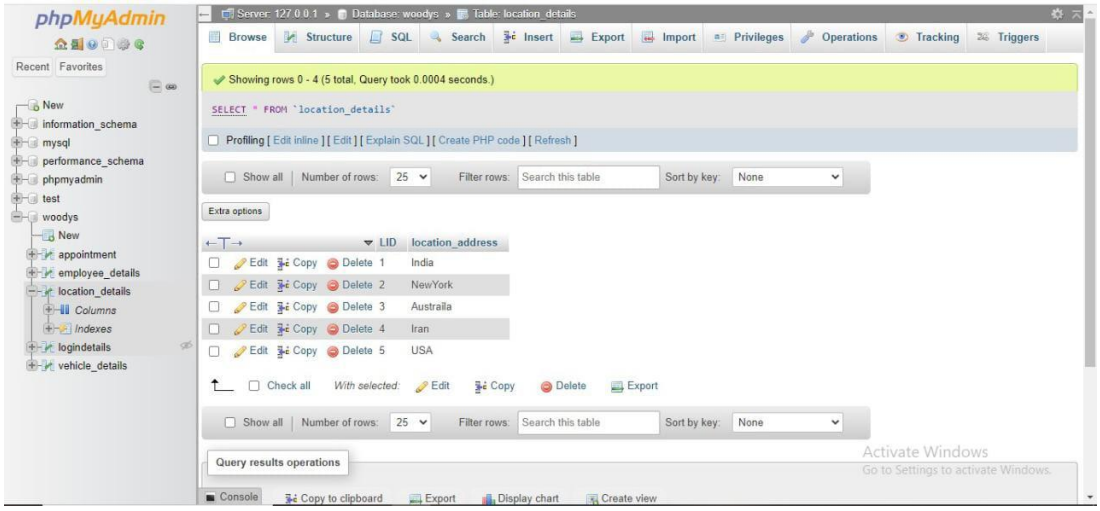
Login Details Table:



Vehicle Details Table:



Location Details Table:

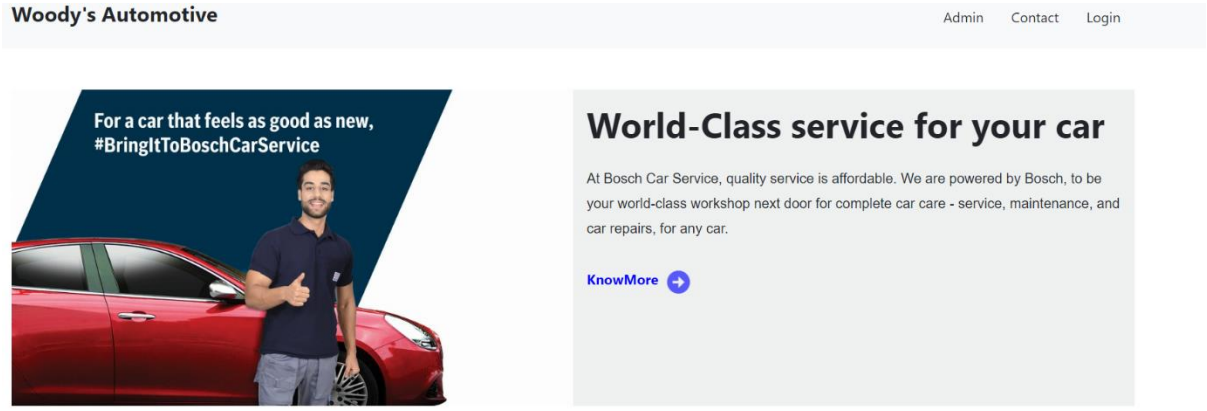


Source Code:

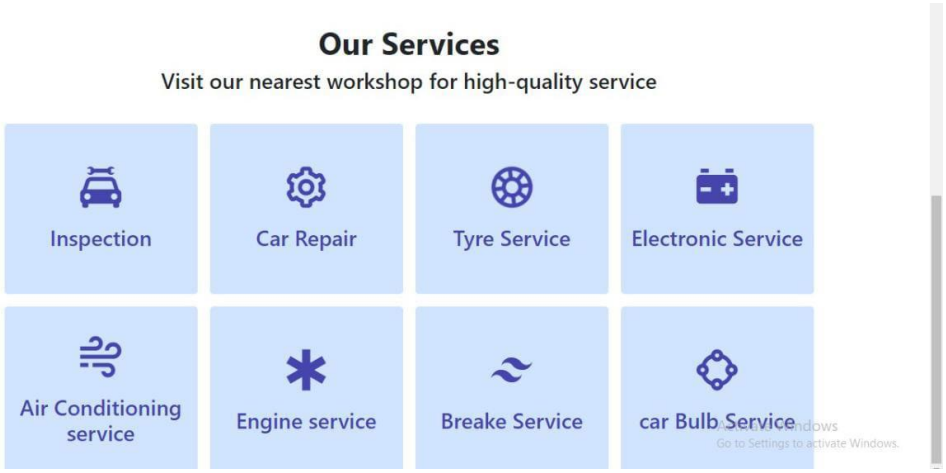
https://drive.google.com/drive/folders/1AO0zA05oaKKn0-xyqly1WfKAkfufIvnv?usp=sharing

PRINTOUT OF USE OF PROGRAMS:

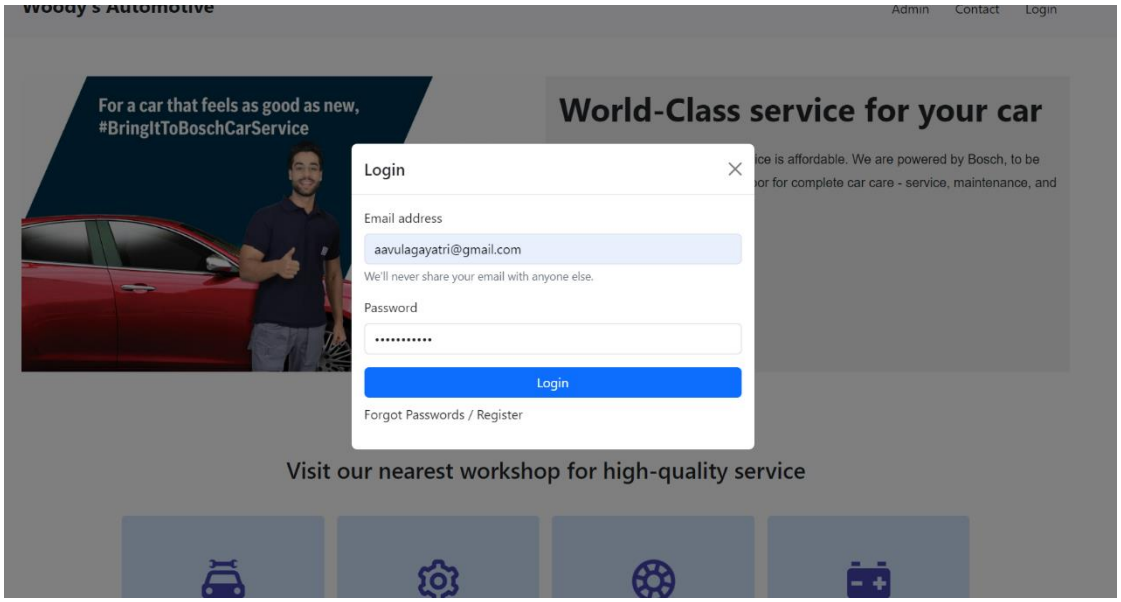
Website Home page:



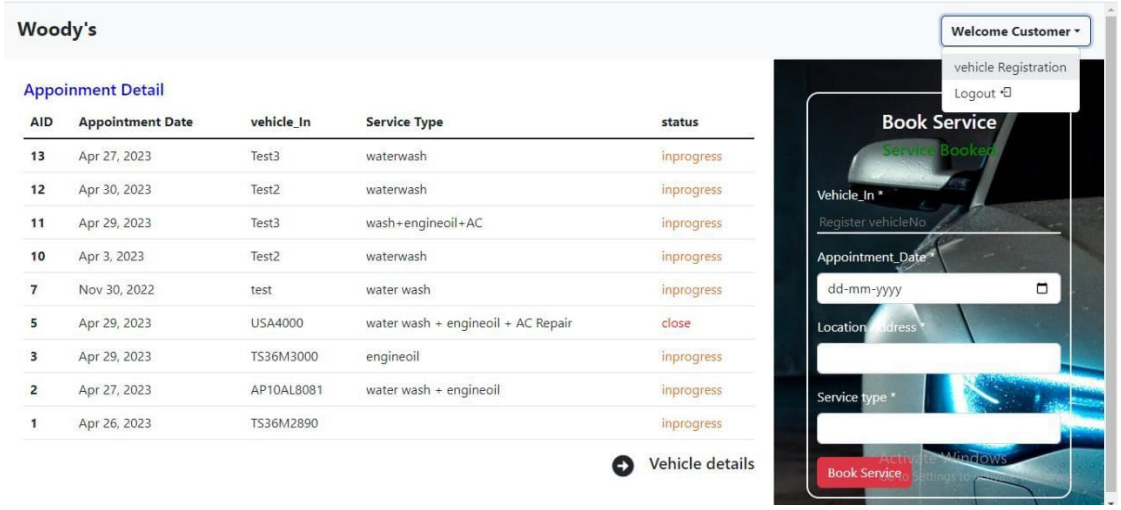
Services offered:



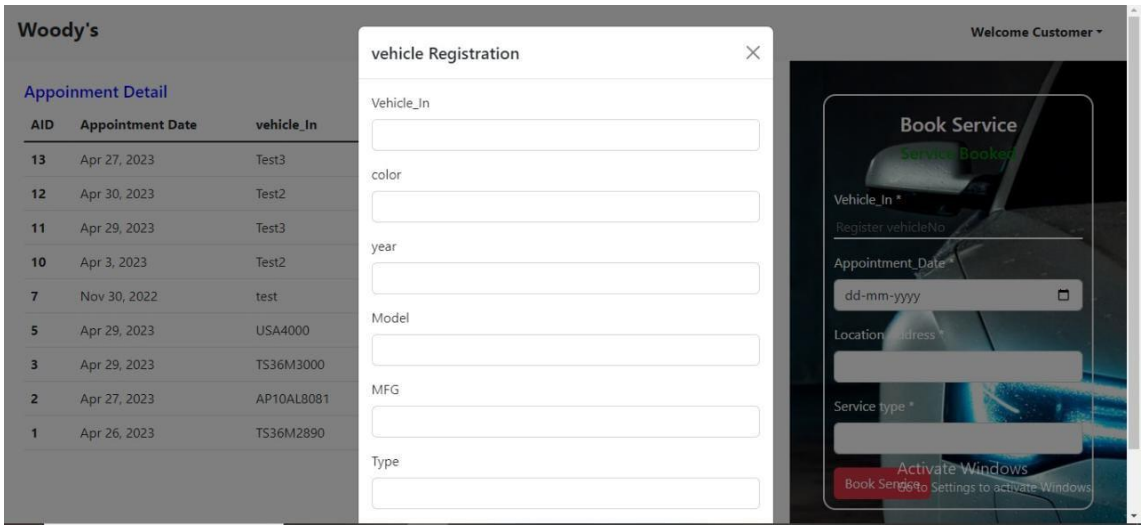
Login page for the users:



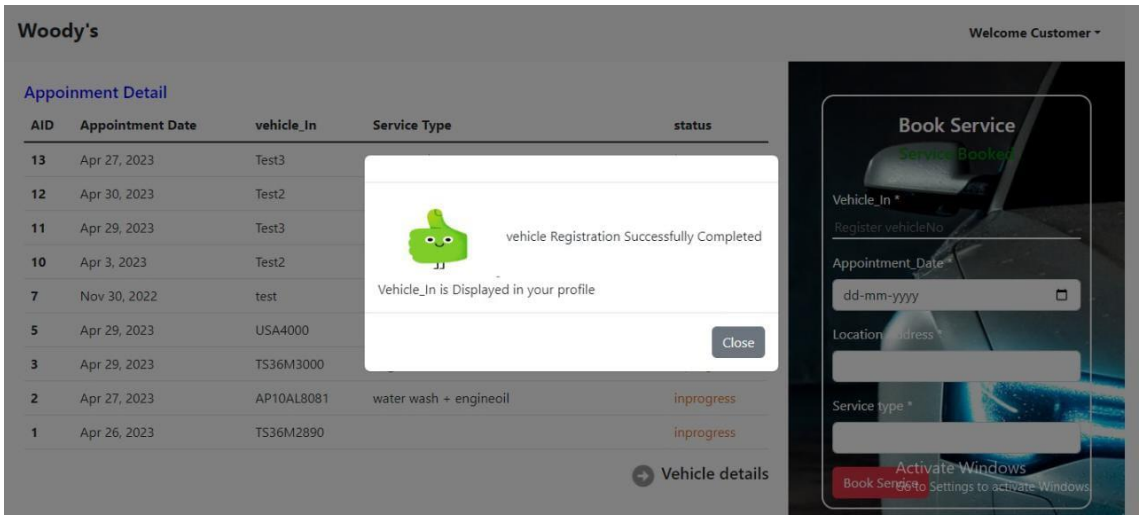
Customer Appointment Detail page:



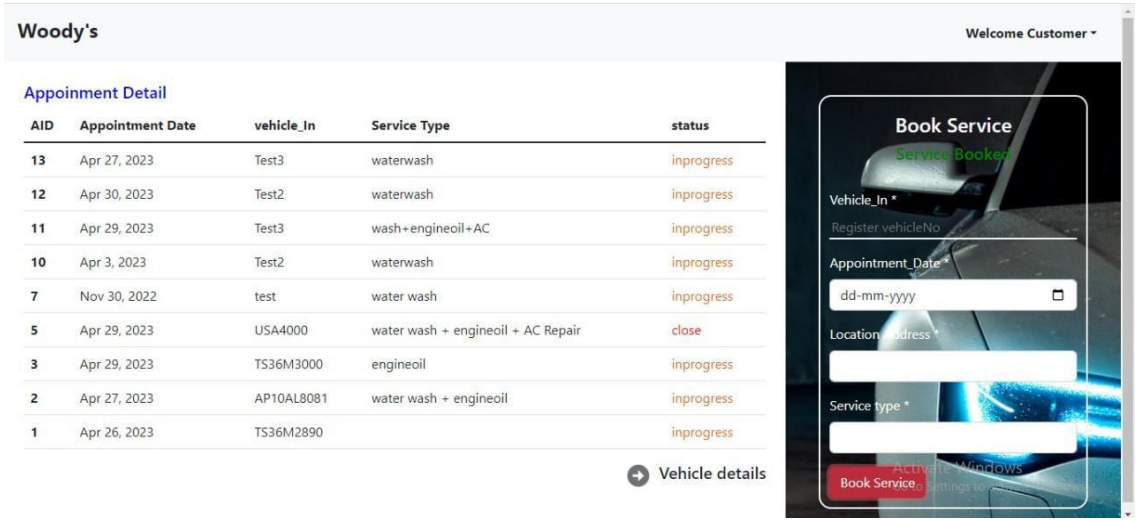
Vehicle registration page:



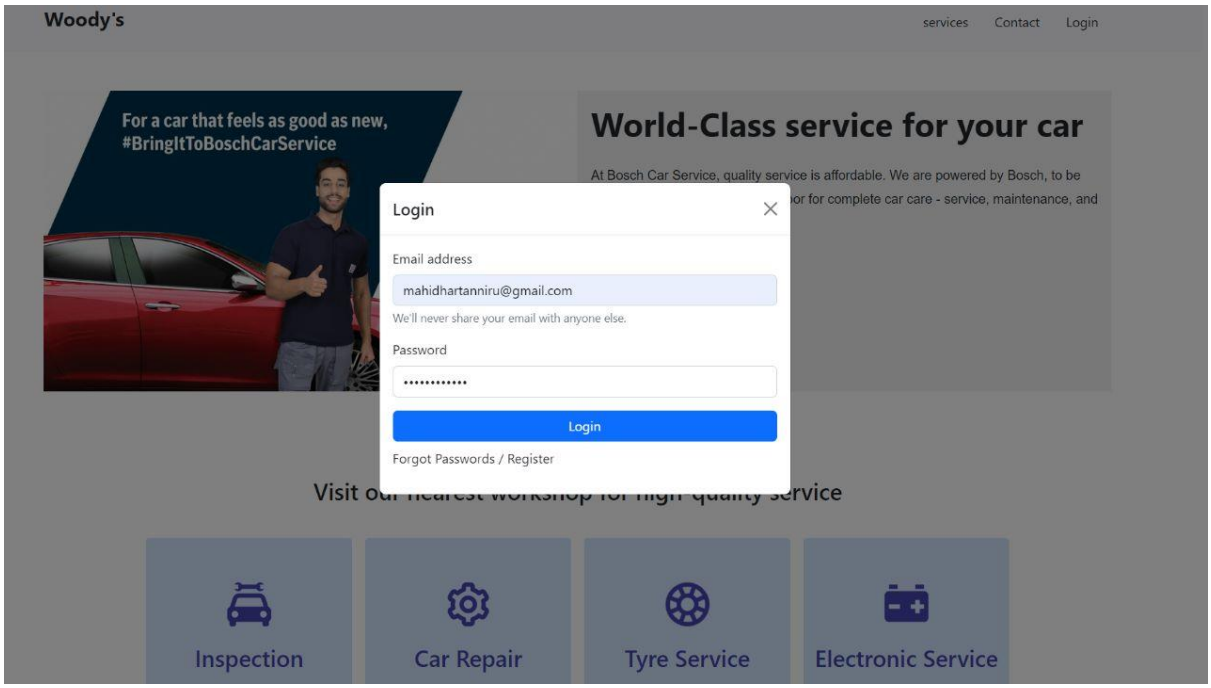
Registration completion page:



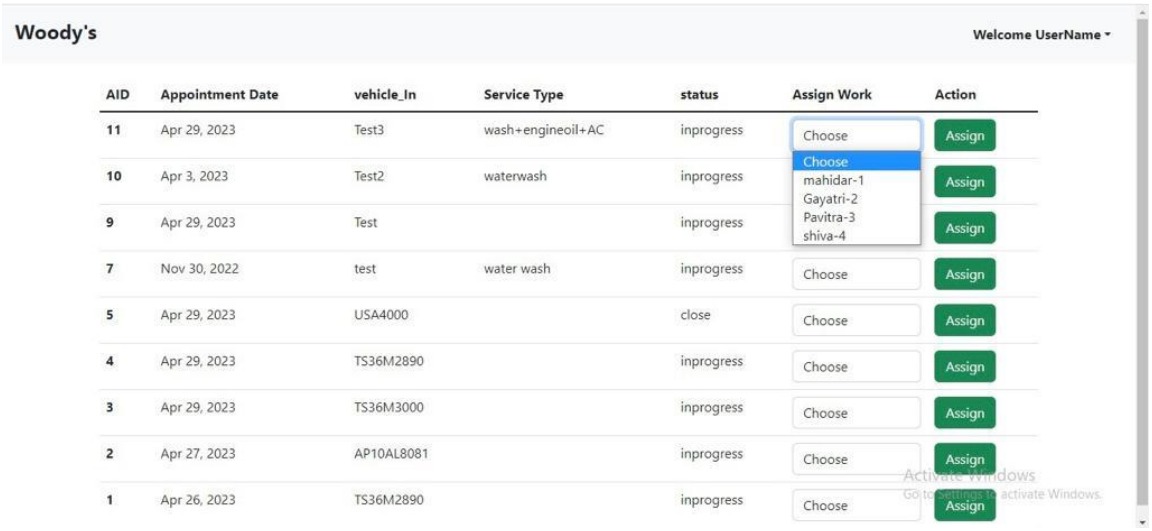
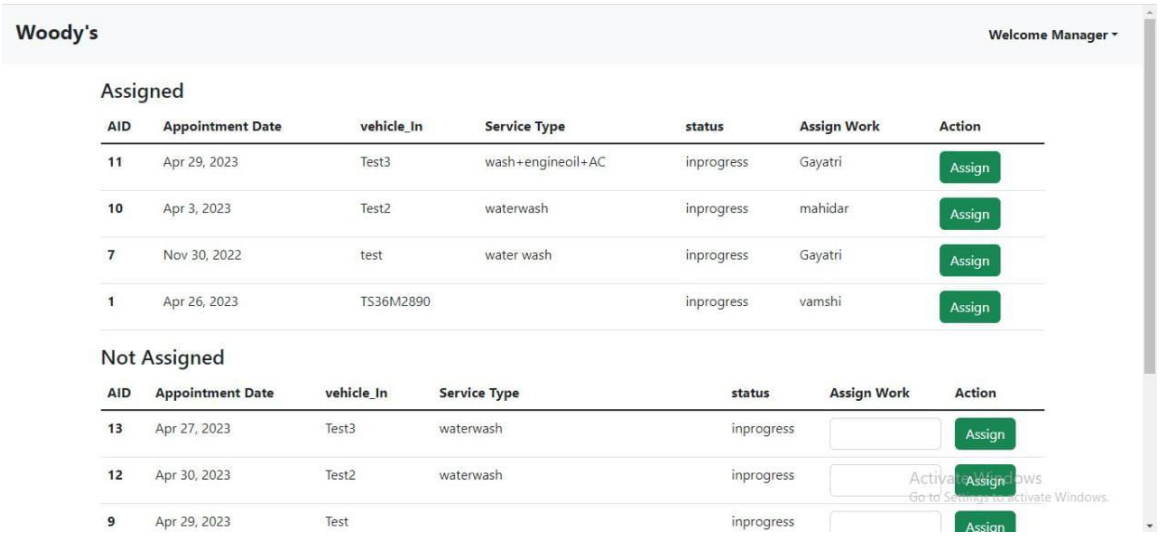
Display the vehicles registered:



Manager Login Page:



Manager Assign Tasks:



Manager Assigned and Not Assigned Task List: