CS631 008 - Data Management Systems Design

Woody's Automotive Online Application

Project

Professor Mr. Michael Renda

Team Number:10

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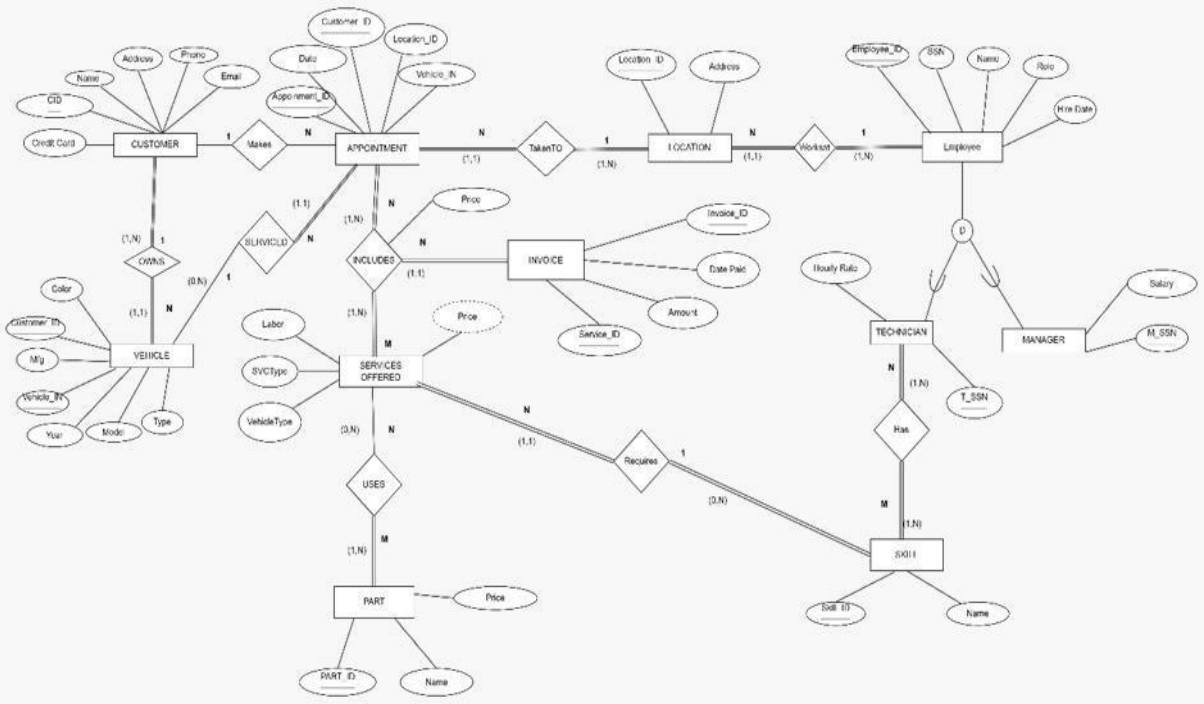
Goal of this project:

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.

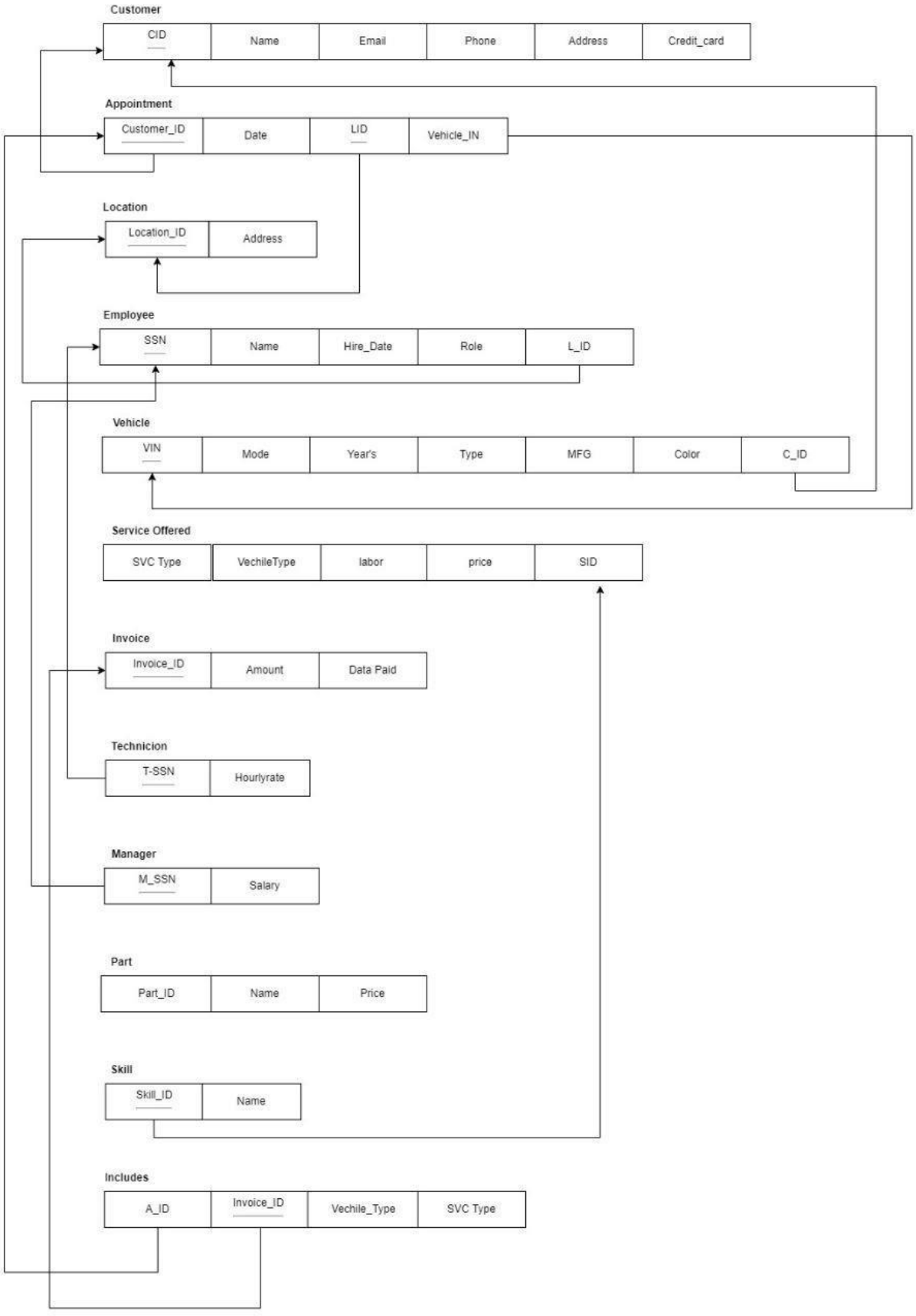
Problem Faced:

- 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:


Customer
CID
Name
Email
Phone
Address
Credit_card
Appointment
Customer_ID
Date
LID
Vehicle_IN
Location
Location_ID
Address
Employee
SSN
Name
Hire_Date
Role
L_ID
Vehicle
VIN
Mode
Year's
Type
MFG
Color
C_ID
Service Offered
SVC Type
VechileType
labor
price
SID
Invoice
Invoice_ID
Amount
Data Paid
Technicion
T-SSN
Hourlyrate
Manager
M_SSN
Salary
Part
Part_ID
Name
Price
Skill
Skill_ID
Name
Includes
A_ID
Invoice_ID
Vechile_Type
SVC Type

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:

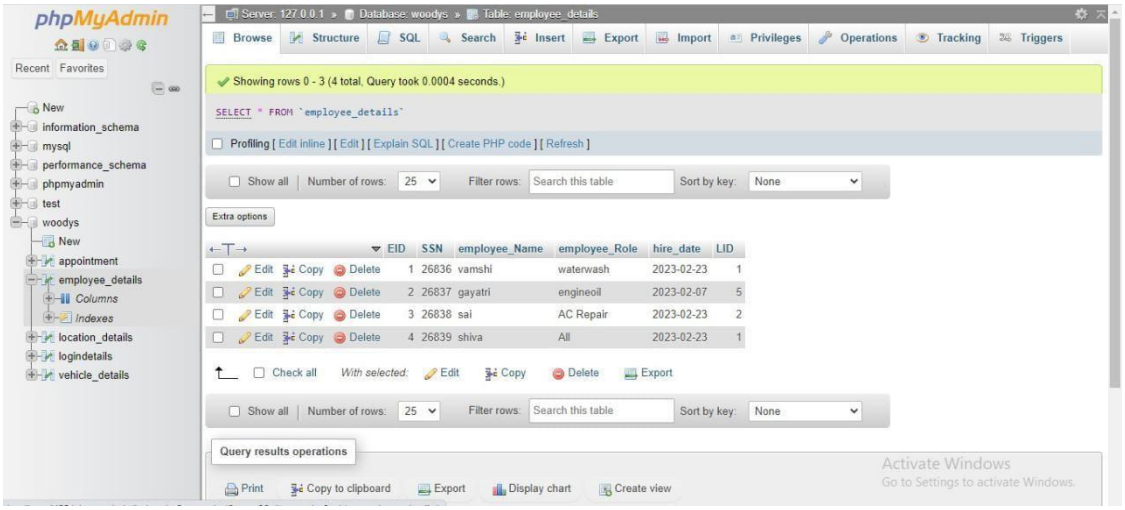
```
CREATE TABLE location_details (
LID INT(10) AUTO_INCREMENT,
location_address TEXT,
PRIMARY KEY (LID)
);
```

Appointment Table:

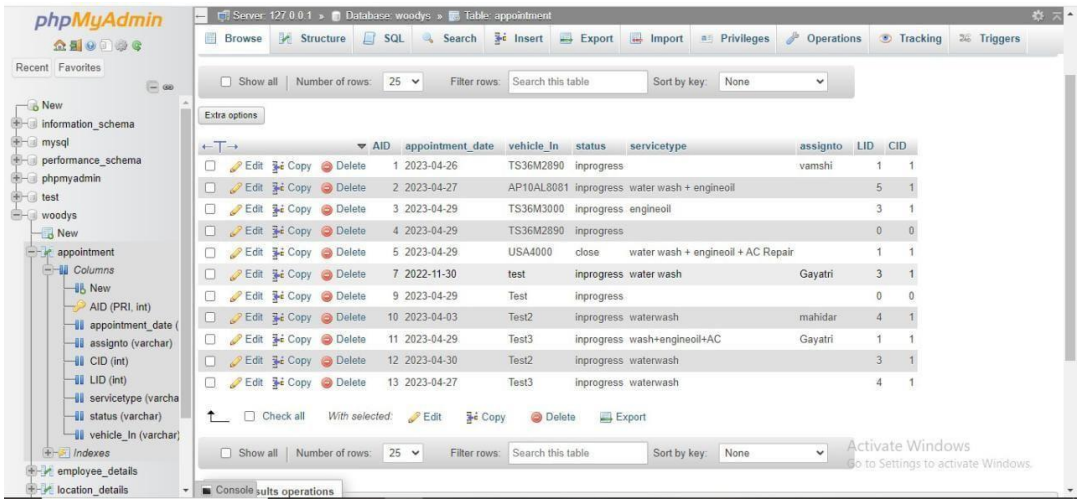
```
CREATE TABLE appointment ( AID
INT(10) AUTO_INCREMENT,
appointment_date VARCHAR(20),
vehicle_In VARCHAR(20), status
VARCHAR(20),

servicetype VARCHAR(100), assignto
VARCHAR(20),
LID INT(10),
CID INT(10),
PRIMARY KEY (AID));
```

SQL QUERIES FOR POPULATION OF TABLES:

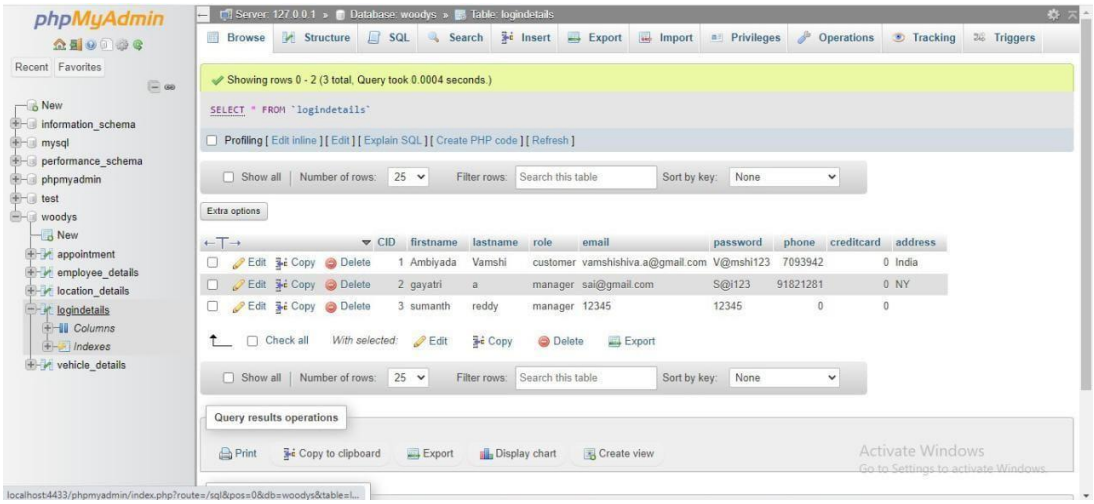
Employee Table:



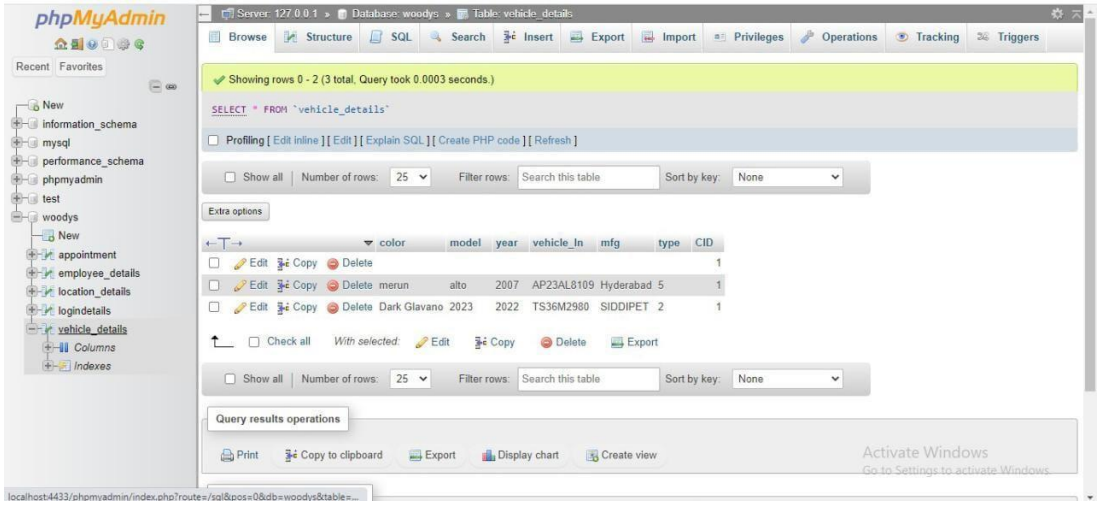
Appointment Table:



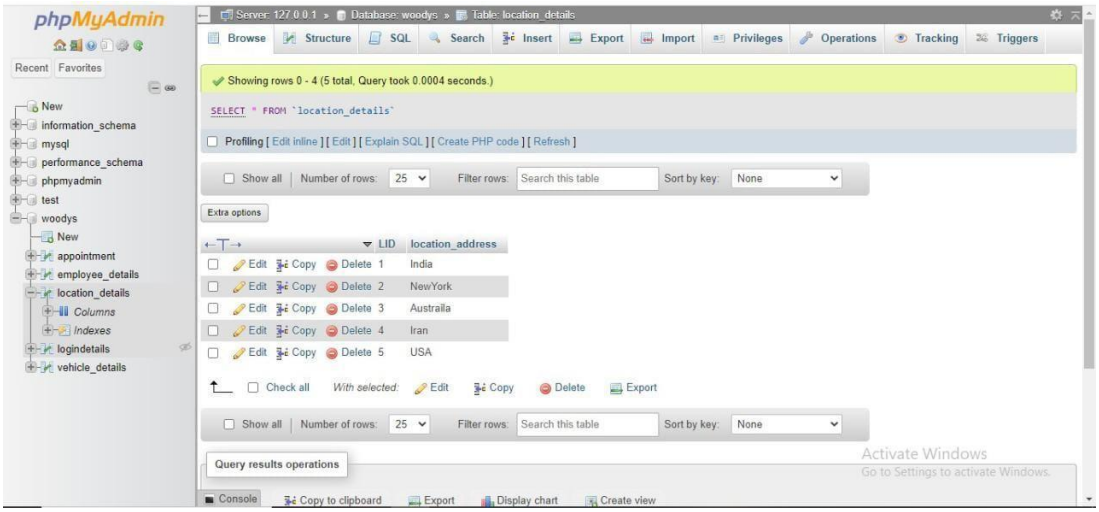
Login Details Table:



Vehicle Details Table:



Location Details Table:

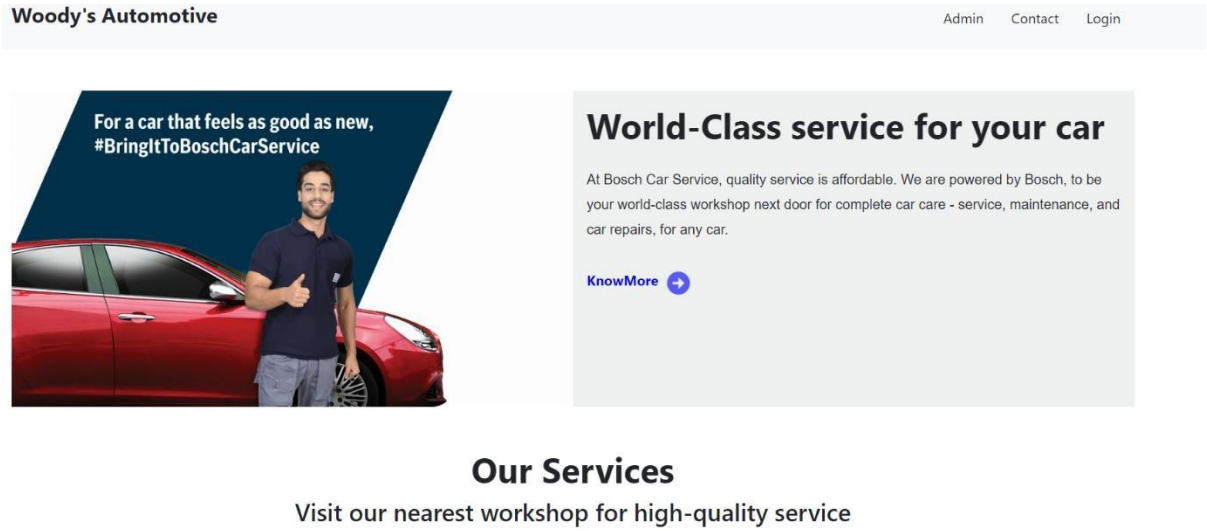


Source Code:

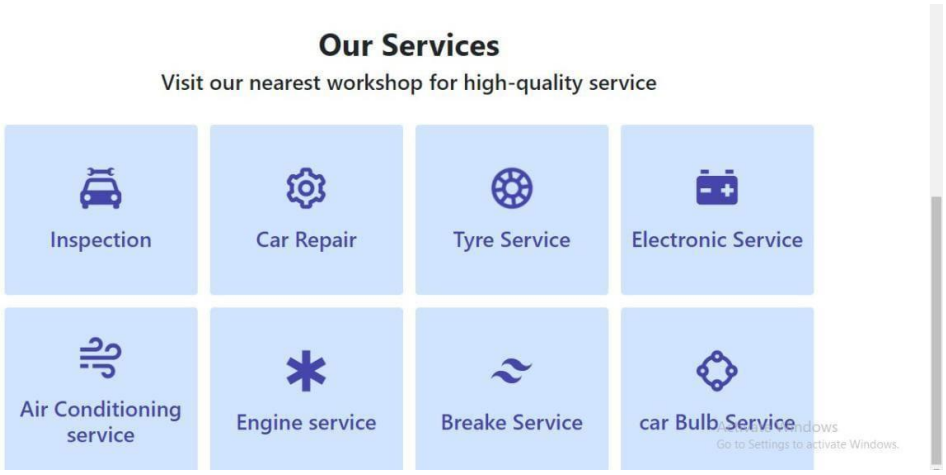
https://drive.google.com/drive/folders/1AO0zA05oaKKn0xyqly1WfKAkfufIvnv?usp=sharing

PRINTOUT OF USE OF PROGRAMS:

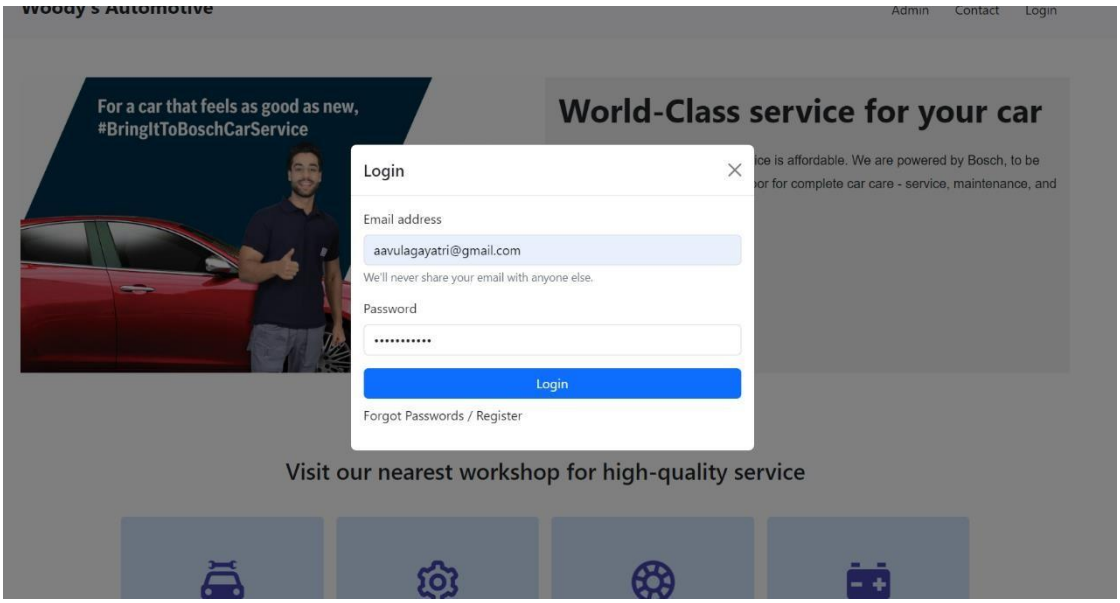
Website Home page:



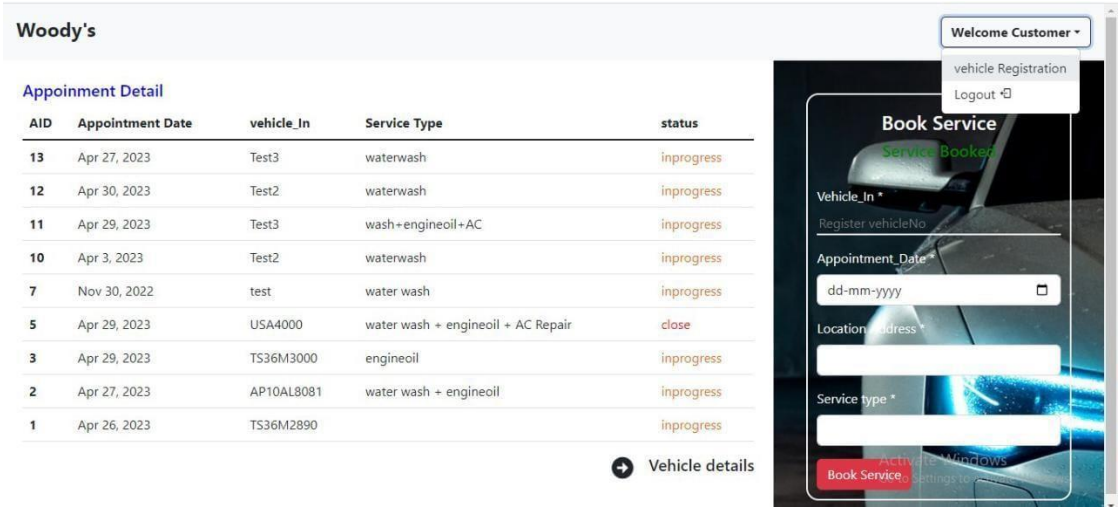
Services offered:



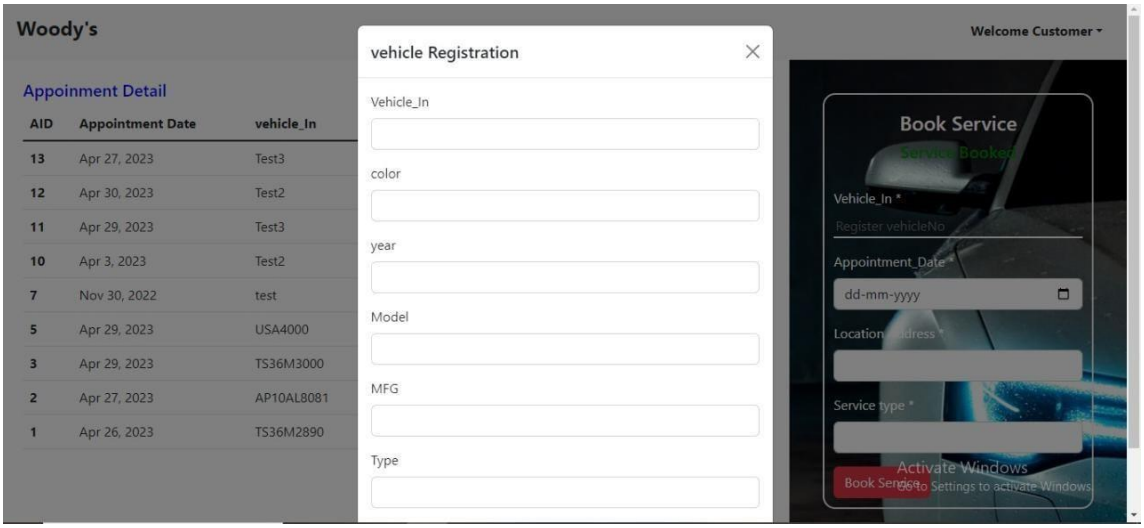
Login page for the users:



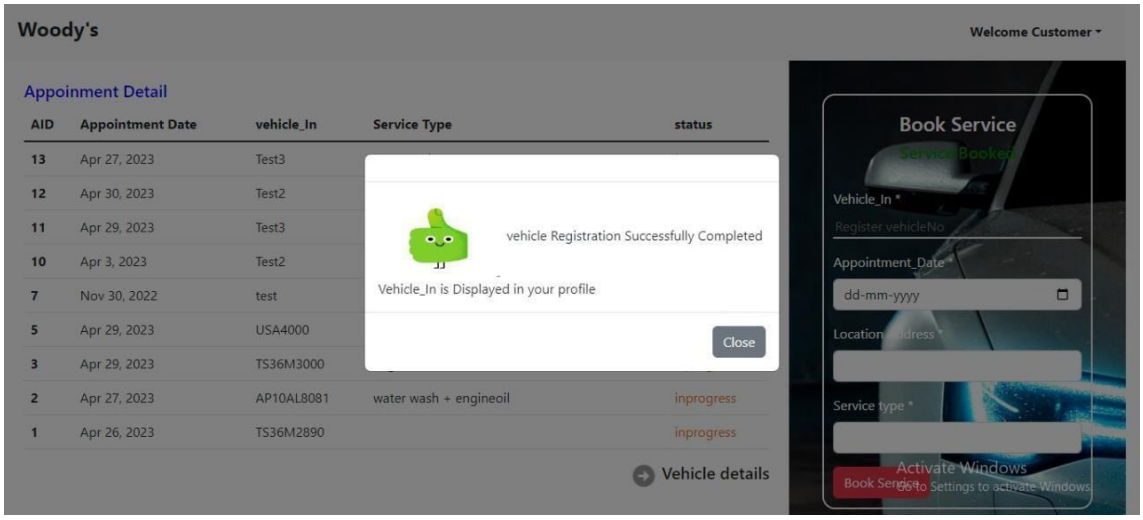
Customer Appointment Detail page:



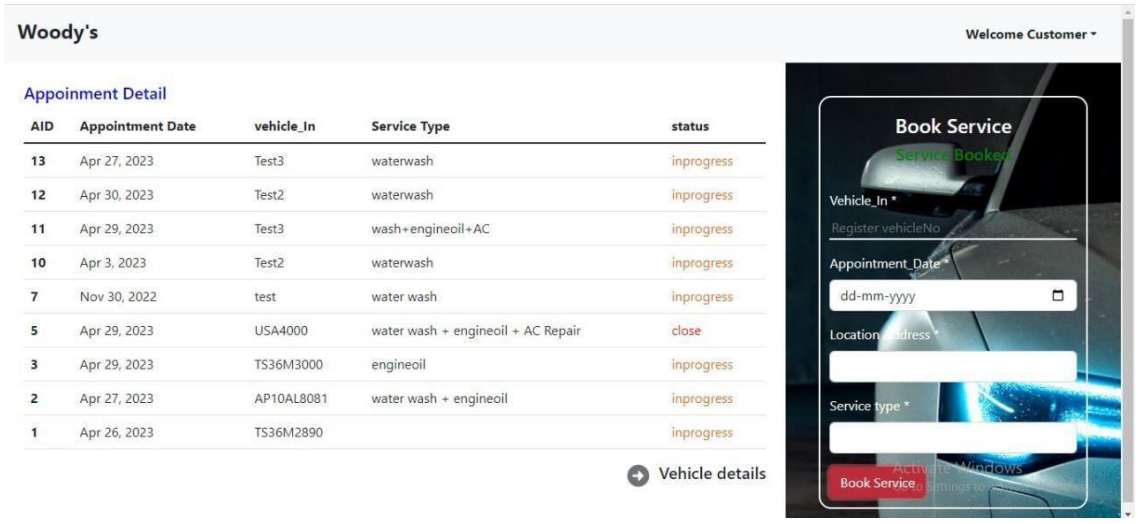
Vehicle registration page:



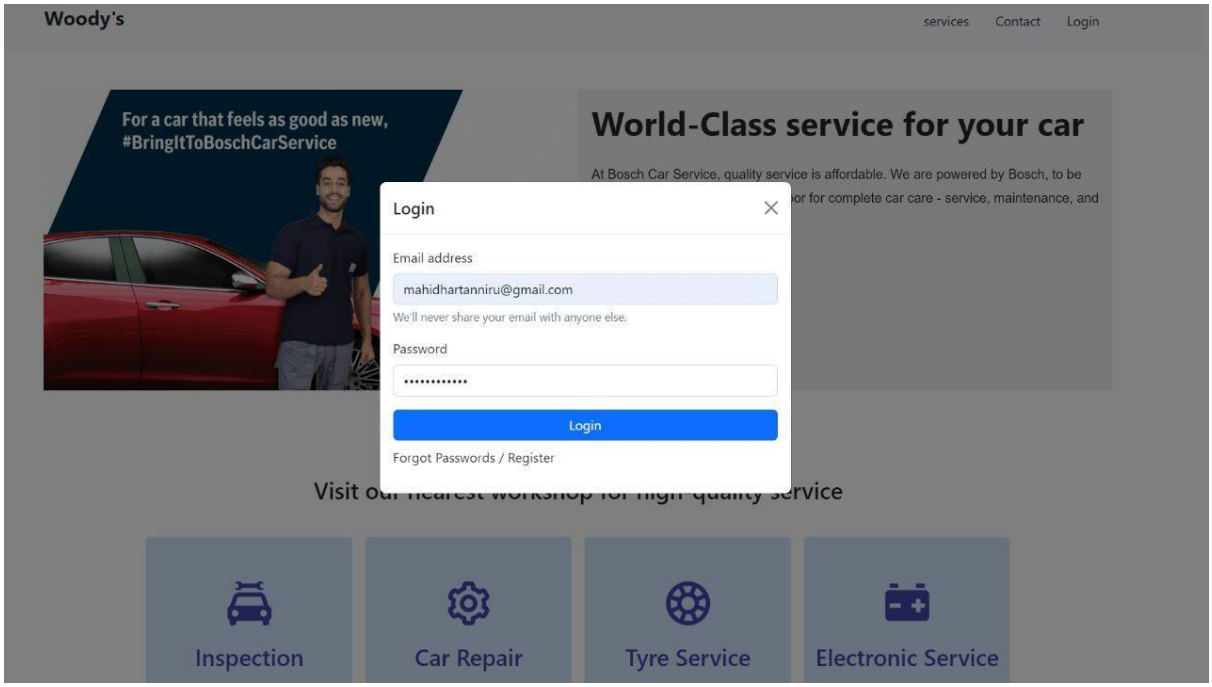
Registration completion page:



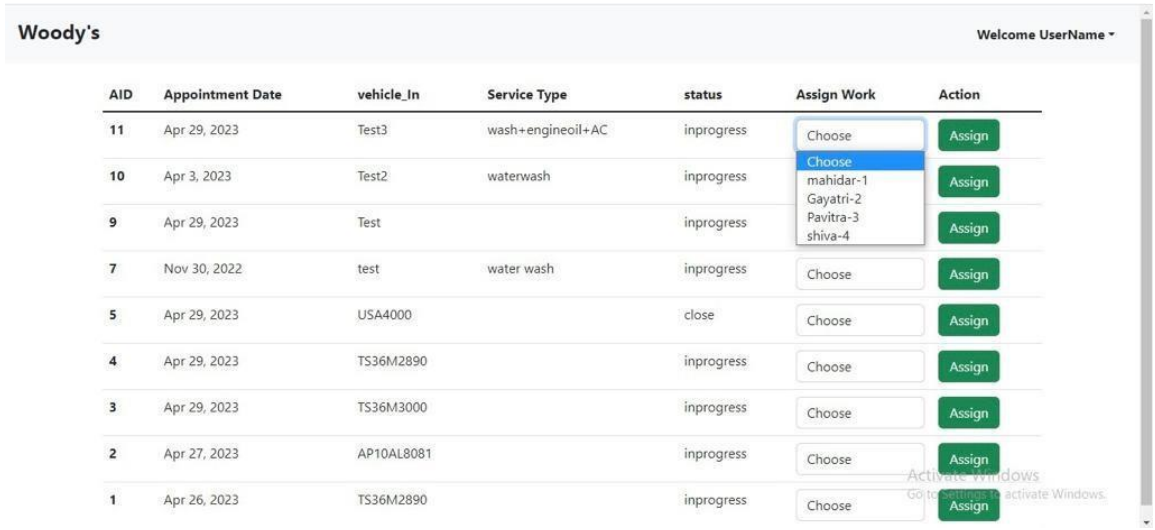
Display the vehicles registered:



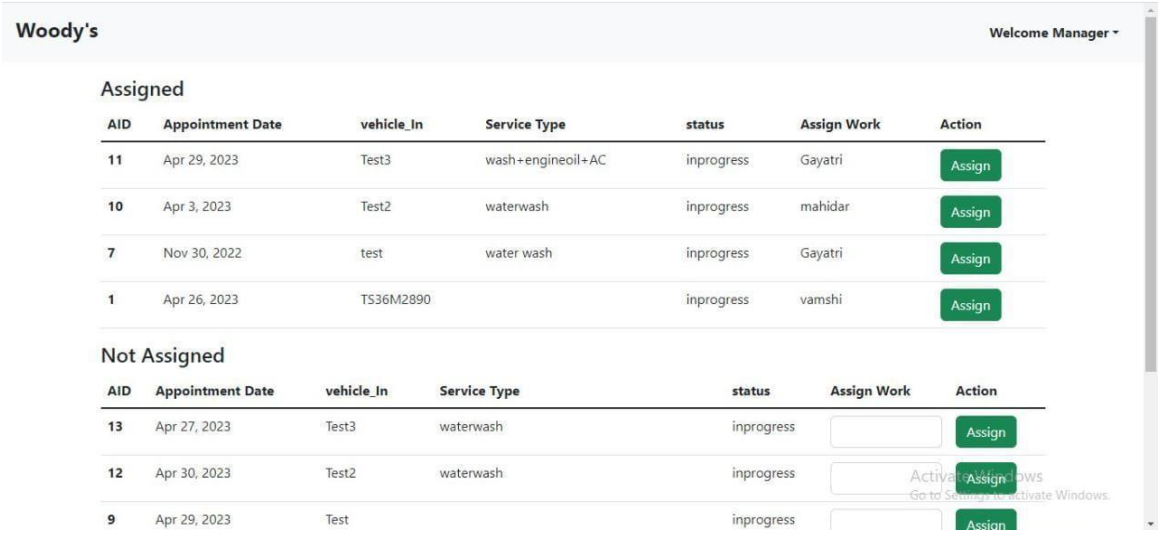
Manager Login Page:



Manager Assign Tasks:



Manager Assigned and Not Assigned Task List:


Woody's
Welcome Manager
Assigned
AID Appointment Date vehicle_In Service Type status Assign Work Action
11 Apr 29, 2023 Test3 wash+engineoil+AC inprogress Gayatri Assign
10 Apr 3, 2023 Test2 waterwash inprogress mahidar Assign
7 Nov 30, 2022 test water wash inprogress Gayatri Assign
1 Apr 26, 2023 TS36M2890 inprogress vamshi Assign
Not Assigned
AID Appointment Date vehicle_In Service Type status Assign Work Action
13 Apr 27, 2023 Test3 waterwash inprogress Assign
12 Apr 30, 2023 Test2 waterwash inprogress Assign
9 Apr 29, 2023 Test inprogress Assign