

CS631 008 - Data Management Systems Design

Woody's Automotive Online Application

Project



Professor Mr. Michael Renda

Team Number:10

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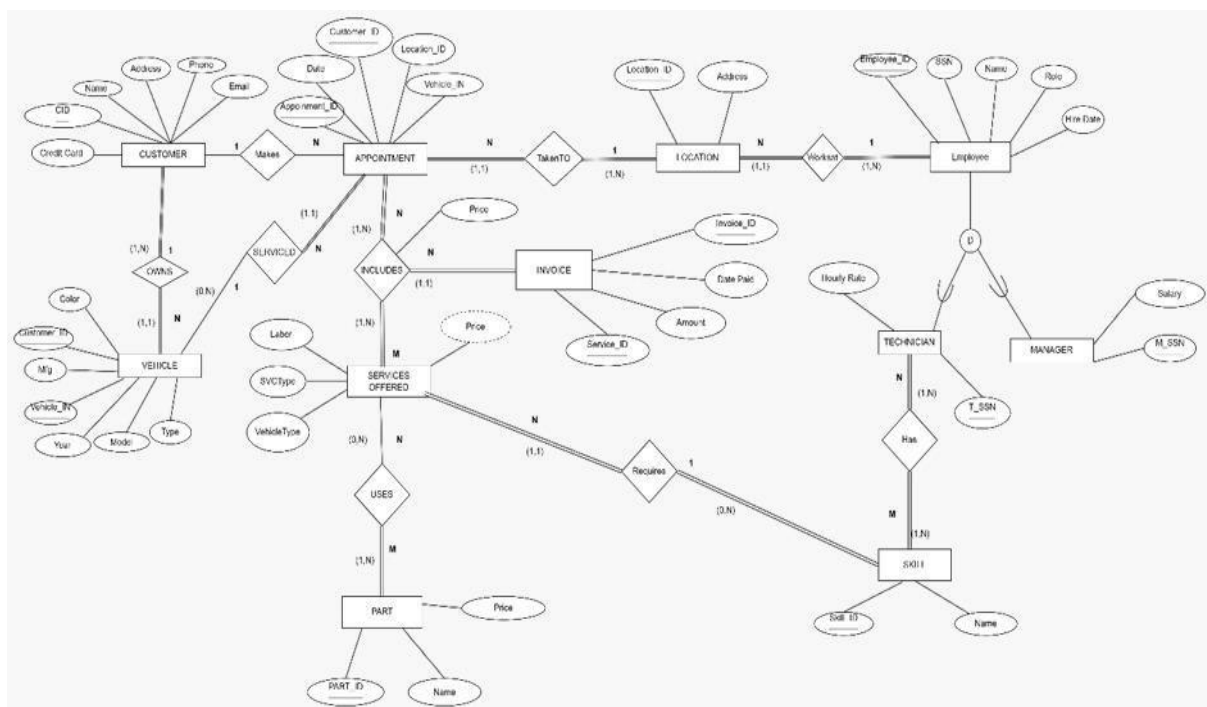
Goal of this project:

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.

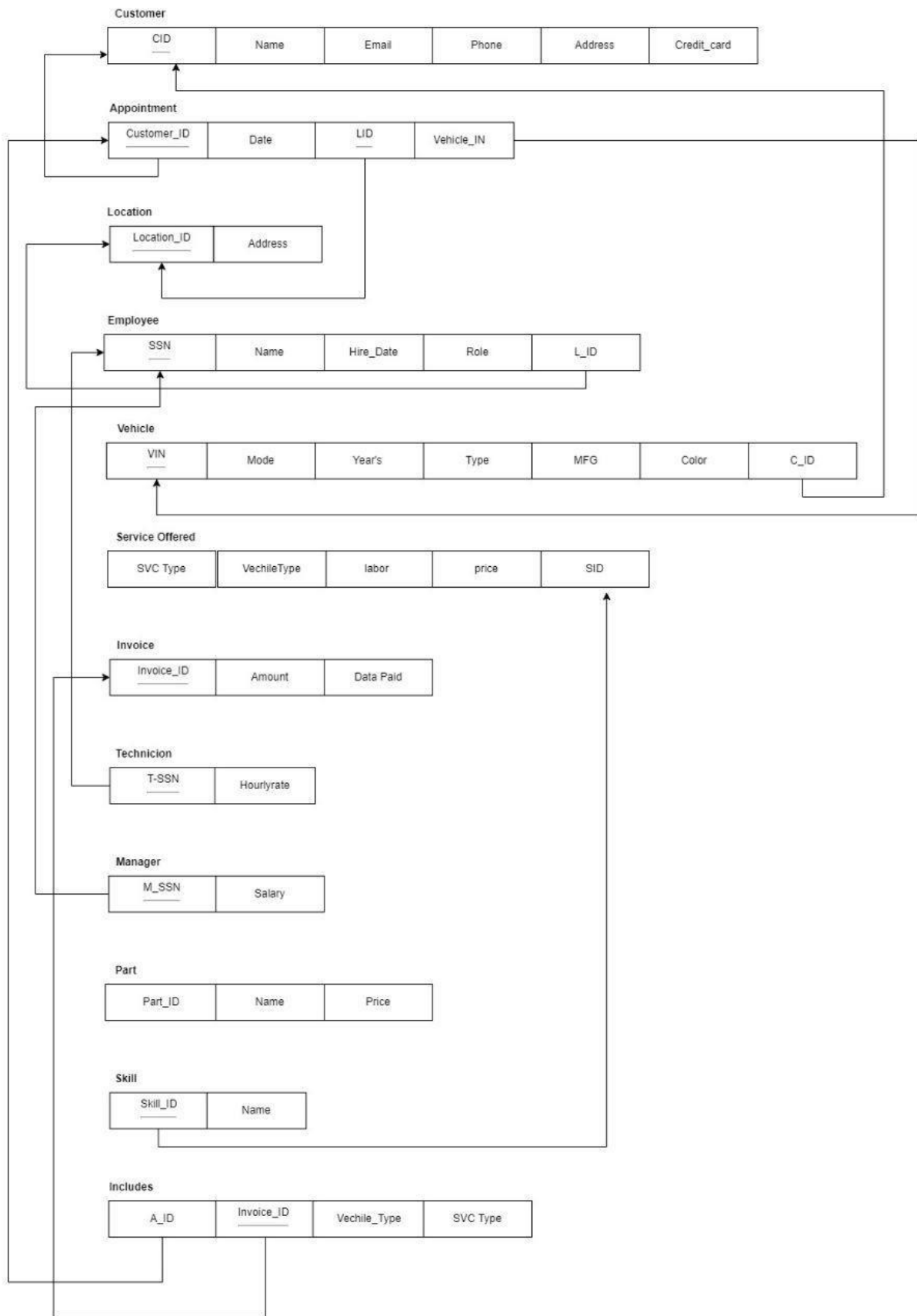
Problem Faced:

- 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:



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 sign 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 show 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:

The screenshot shows the phpMyAdmin interface for the 'employee_details' table. The table structure is defined as follows:

EID	SSN	employee_Name	employee_Role	hire_date	LID
1	26836	vamshi	waterwash	2023-02-23	1
2	26837	gayatri	engineoil	2023-02-07	5
3	26838	sai	AC Repair	2023-02-23	2
4	26839	shiva	All	2023-02-23	1

The interface also shows the SQL query: `SELECT * FROM 'employee_details'` and various options for displaying and managing the table data.

Appointment Table:

The screenshot shows the phpMyAdmin interface for the 'appointment' table. The table structure is defined as follows:

AID	appointment_date	vehicle_In	status	servicetype	assignto	LID	CID
1	2023-04-26	TS36M2890	inprogress		vamshi	1	1
2	2023-04-27	AP10AL8081	inprogress	water wash + engineoil		5	1
3	2023-04-29	TS36M3000	inprogress	engineoil		3	1
4	2023-04-29	TS36M2890	inprogress			0	0
5	2023-04-29	USA4000	close	water wash + engineoil + AC Repair		1	1
7	2022-11-30	test	inprogress	water wash	Gayatri	3	1
9	2023-04-29	Test	inprogress			0	0
10	2023-04-03	Test2	inprogress	waterwash	mahidar	4	1
11	2023-04-29	Test3	inprogress	wash+engineoil+AC	Gayatri	1	1
12	2023-04-30	Test2	inprogress	waterwash		3	1
13	2023-04-27	Test3	inprogress	waterwash		4	1

The interface also shows the SQL query: `SELECT * FROM 'appointment'` and various options for displaying and managing the table data.

Login Details Table:

The screenshot shows the phpMyAdmin interface for the 'woodys' database. The 'login_details' table is selected, and its structure and data are displayed. The table has 9 columns: CID, firstname, lastname, role, email, password, phone, creditcard, and address. The data is as follows:

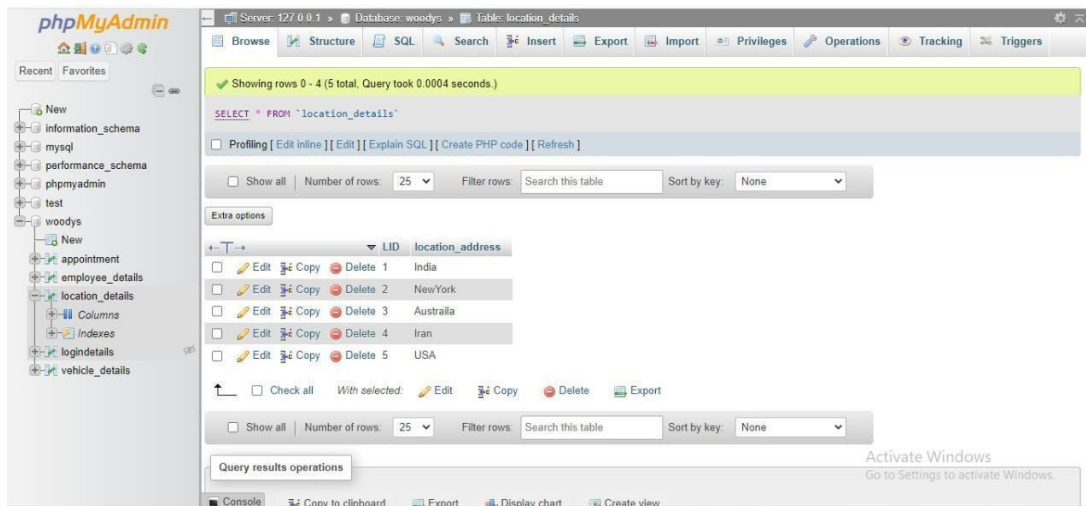
CID	firstname	lastname	role	email	password	phone	creditcard	address
1	Ambiyada	Vamshi	customer	vamshishiva.a@gmail.com	V@msh123	7093942	0	India
2	gayatri	a	manager	sai@gmail.com	S@123	91821281	0	NY
3	sumanth	reddy	manager	12345	12345	0	0	

Vehicle Details Table:

The screenshot shows the phpMyAdmin interface for the 'woodys' database. The 'vehicle_details' table is selected, and its structure and data are displayed. The table has 7 columns: color, model, year, vehicle_in, mfg, type, and CID. The data is as follows:

color	model	year	vehicle_in	mfg	type	CID
	merun	2007	AP23AL8109	Hyderabad	5	1
	Dark Glavano	2023	2022	TS36M2980	SIDDI PET	2

Location Details Table:

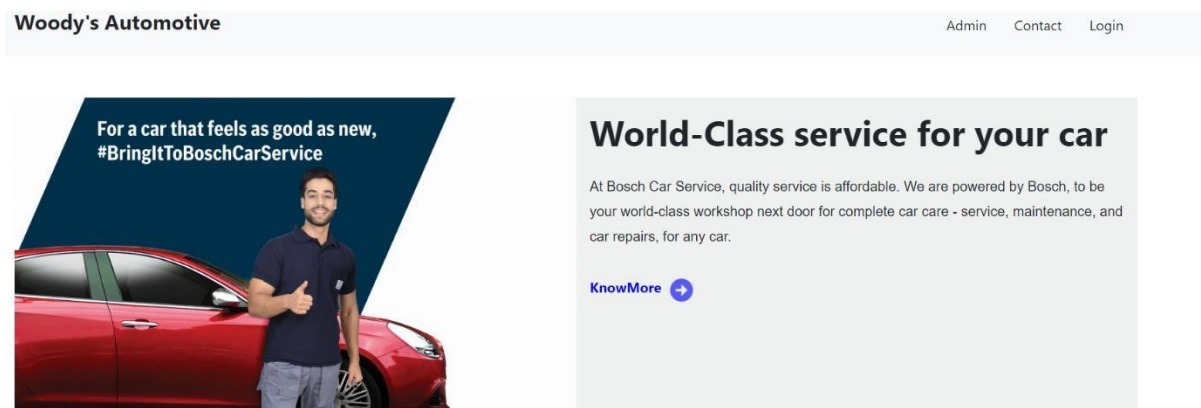


Source Code:

<https://drive.google.com/drive/folders/1AO0zA05oaKKn0xyqly1WfKAKfuflvnv?usp=sharing>

PRINTOUT OF USE OF PROGRAMS:

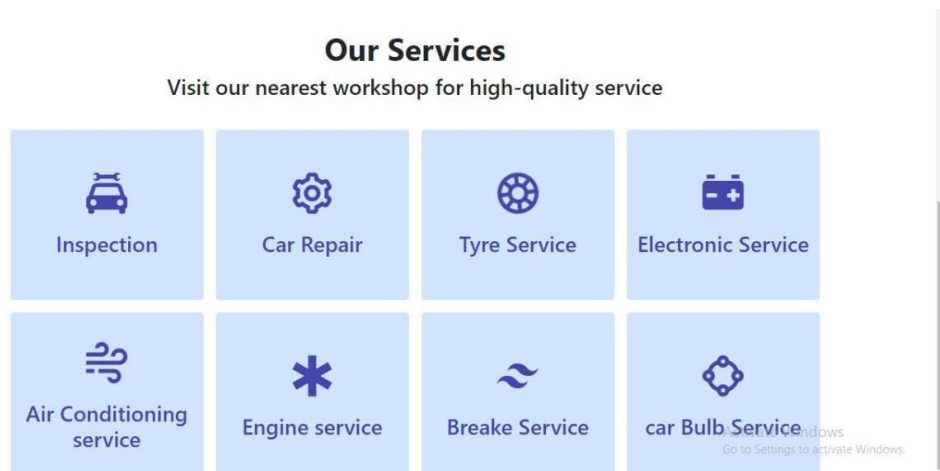
Website Home page:



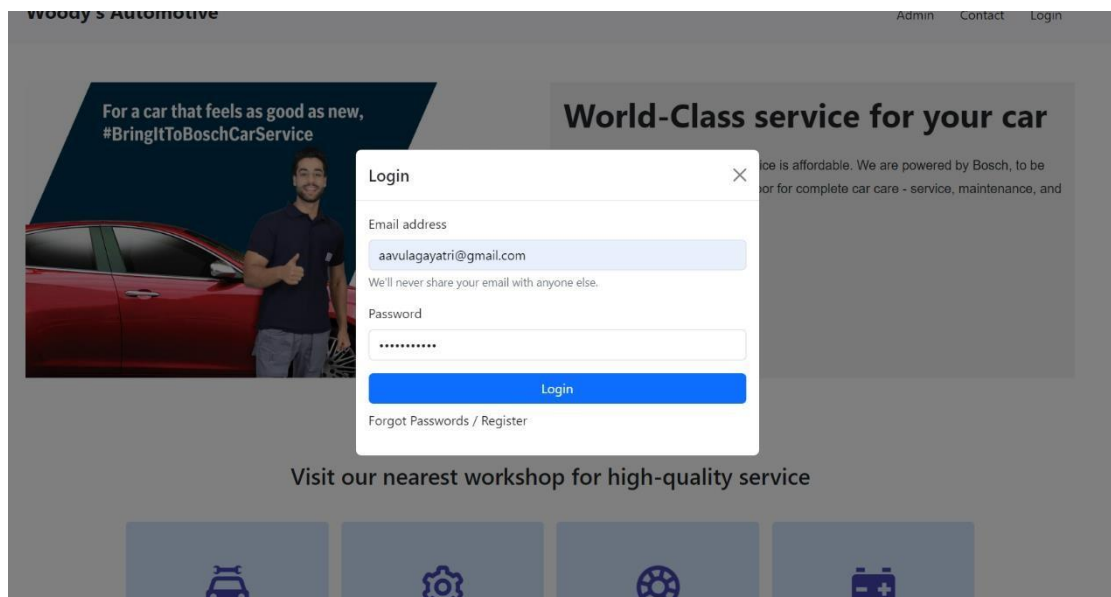
Our Services

Visit our nearest workshop for high-quality service

Services offered:



Login page for the users:



Customer Appointment Detail page:

Woody's

Appointment Detail

AID	Appointment Date	vehicle_In	Service Type	status
13	Apr 27, 2023	Test3	waterwash	inprogress
12	Apr 30, 2023	Test2	waterwash	inprogress
11	Apr 29, 2023	Test3	wash + engineoil + AC	inprogress
10	Apr 3, 2023	Test2	waterwash	inprogress
7	Nov 30, 2022	test	water wash	inprogress
5	Apr 29, 2023	USA4000	water wash + engineoil + AC Repair	close
3	Apr 29, 2023	TS36M3000	engineoil	inprogress
2	Apr 27, 2023	AP10AL8081	water wash + engineoil	inprogress
1	Apr 26, 2023	TS36M2890		inprogress

Vehicle details

Welcome Customer

vehicle Registration

Logout

Book Service

Service Booked

Vehicle_In *

Register vehicleNo

Appointment_Date *

dd-mm-yyyy

Location Address *

Service type *

Book Service

Vehicle registration page:

Woody's

Appointment Detail

AID	Appointment Date	vehicle_In
13	Apr 27, 2023	Test3
12	Apr 30, 2023	Test2
11	Apr 29, 2023	Test3
10	Apr 3, 2023	Test2
7	Nov 30, 2022	test
5	Apr 29, 2023	USA4000
3	Apr 29, 2023	TS36M3000
2	Apr 27, 2023	AP10AL8081
1	Apr 26, 2023	TS36M2890

vehicle Registration

Vehicle_In

color

year

Model

MFG

Type

Welcome Customer

Book Service

Service Booked

Vehicle_In *

Register vehicleNo

Appointment_Date *

dd-mm-yyyy

Location Address *

Service type *

Book Service

Registration completion page:

Woody's
Welcome Customer

Appointment Detail

AID	Appointment Date	vehicle_In	Service Type	status
13	Apr 27, 2023	Test3		
12	Apr 30, 2023	Test2		
11	Apr 29, 2023	Test3		
10	Apr 3, 2023	Test2		
7	Nov 30, 2022	test		
5	Apr 29, 2023	USA4000		
3	Apr 29, 2023	TS36M3000		
2	Apr 27, 2023	AP10AL8081	water wash + engineoil	inprogress
1	Apr 26, 2023	TS36M2890		inprogress

Vehicle details

Book Service

Service Booked

Vehicle_In *

Register vehicleNo

Appointment_Date *

dd-mm-yyyy

Location Address *

Service type *

Activate Windows

Book Service

Display the vehicles registered:

Woody's
Welcome Customer

Appointment Detail

AID	Appointment Date	vehicle_In	Service Type	status
13	Apr 27, 2023	Test3	waterwash	inprogress
12	Apr 30, 2023	Test2	waterwash	inprogress
11	Apr 29, 2023	Test3	wash+engineoil+AC	inprogress
10	Apr 3, 2023	Test2	waterwash	inprogress
7	Nov 30, 2022	test	water wash	inprogress
5	Apr 29, 2023	USA4000	water wash + engineoil + AC Repair	close
3	Apr 29, 2023	TS36M3000	engineoil	inprogress
2	Apr 27, 2023	AP10AL8081	water wash + engineoil	inprogress
1	Apr 26, 2023	TS36M2890		inprogress

Vehicle details

Book Service

Service Booked

Vehicle_In *

Register vehicleNo

Appointment_Date *

dd-mm-yyyy

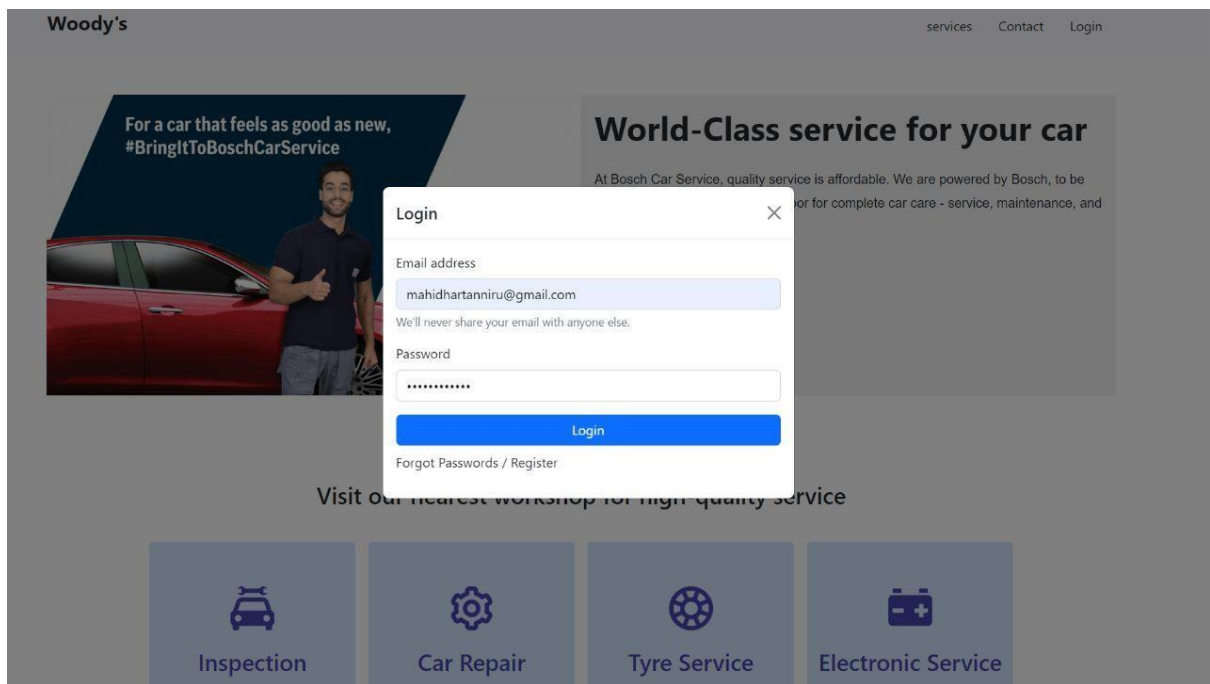
Location Address *

Service type *

Activate Windows

Book Service

Manager Login Page:



Manager Assign Tasks:

Woody's						Welcome UserName ▾
AID	Appointment Date	vehicle_In	Service Type	status	Assign Work	Action
11	Apr 29, 2023	Test3	wash+engineoil+AC	inprogress	Choose	Assign
10	Apr 3, 2023	Test2	waterwash	inprogress	Choose mahidar-1 Gayatri-2 Pavitra-3 shiva-4	Assign
9	Apr 29, 2023	Test		inprogress		Assign
7	Nov 30, 2022	test	water wash	inprogress	Choose	Assign
5	Apr 29, 2023	USA4000		close	Choose	Assign
4	Apr 29, 2023	TS36M2890		inprogress	Choose	Assign
3	Apr 29, 2023	TS36M3000		inprogress	Choose	Assign
2	Apr 27, 2023	AP10AL8081		inprogress	Choose	Assign
1	Apr 26, 2023	TS36M2890		inprogress	Choose	Assign

Manager Assigned and Not Assigned Task List:

Assigned

AID	Appointment Date	vehicle_In	Service Type	status	Assign Work	Action
11	Apr 29, 2023	Test3	wash + engineoil + AC	inprogress	Gayatri	<button>Assign</button>
10	Apr 3, 2023	Test2	waterwash	inprogress	mahidar	<button>Assign</button>
7	Nov 30, 2022	test	water wash	inprogress	Gayatri	<button>Assign</button>
1	Apr 26, 2023	TS36M2890		inprogress	vamshi	<button>Assign</button>

Not Assigned

AID	Appointment Date	vehicle_In	Service Type	status	Assign Work	Action
13	Apr 27, 2023	Test3	waterwash	inprogress	<input type="text"/>	<button>Assign</button>
12	Apr 30, 2023	Test2	waterwash	inprogress	<input type="text"/>	<button>Assign</button>
9	Apr 29, 2023	Test		inprogress	<input type="text"/>	<button>Assign</button>

Activate Windows
Go to Settings to activate Windows.