



# DIGIGARAGE

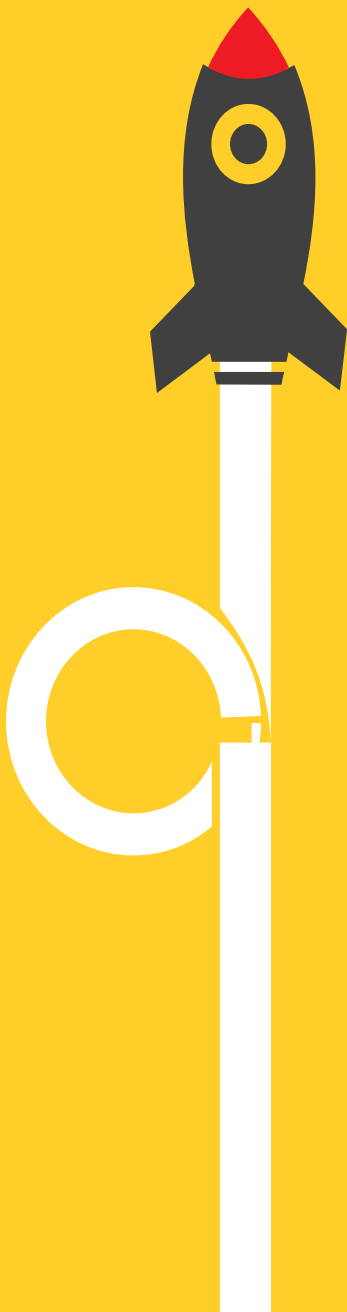
Developed & Presented by:-

1. PRIJITHA EZHAVA
2. AKSHAYRAJSINH JADEJA
3. RAHUL SINGH

GUIDED BY:-

Mr. DHAVAL KAKU

# AGENDA



1

PROJECT DEFINITION

2

OBJECTIVE

3

SOFTWARE REQUIREMENT SPECIFICATION (SRS)

4

SERVICES

5

ROLES

6

DATA DICTIONARY

7

UML DIAGRAM

8

UI SCREENSHOTS

9

FUTURE ENHANCEMENT

# PROJECT DEFINITION

- ***Domain: Gateway Digital***
- ***The Board Scope: Digitalization of the physical/paper process of the industry or the process of work.***
- **Target Audience: B2B Users**



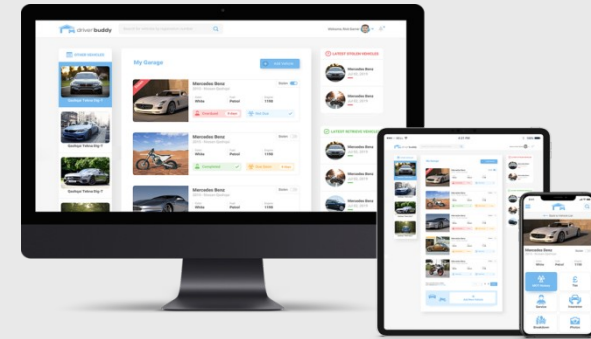
# OBJECTIVE



- **Shifting of physical paper process to digital process.**
- **No load of form filling or maintaining records on paper.**

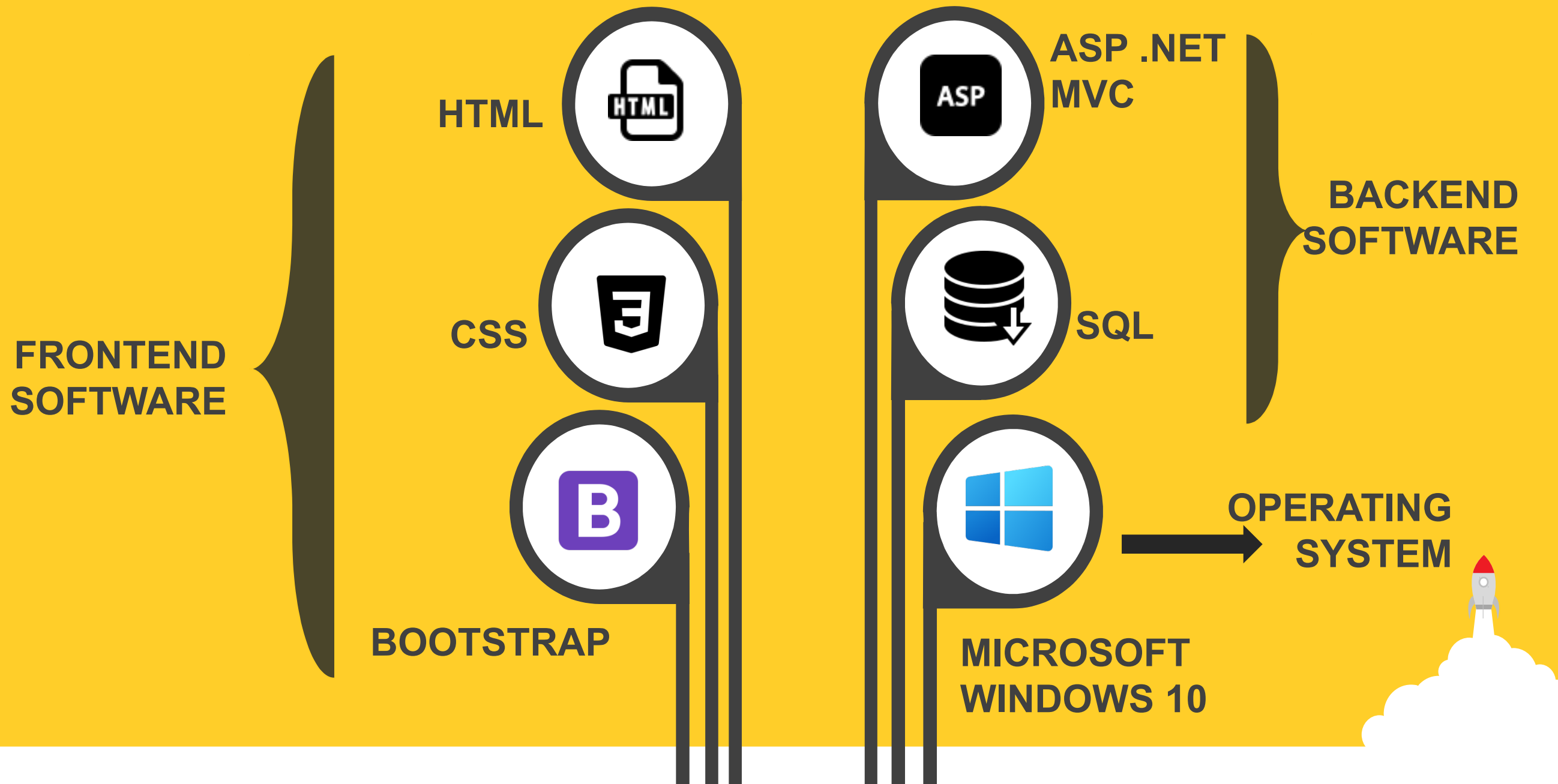


- **Easy access of data and less redundancy.**
- **Security and backup of data**



- **Each process monitoring.**
- **Day-to-Day work flow records and easy sorting.**

## SOFTWARE REQUIREMENT SPECIFICATION (SRS)





# Our Services



## Booking

Can register new vehicles and can book appointment for servicing as well



## Washing

Easy and Speed Vehicle Washing



## Repairing

Fast and simple way of repairing your vehicles that saves your time by saving you from standing in queues



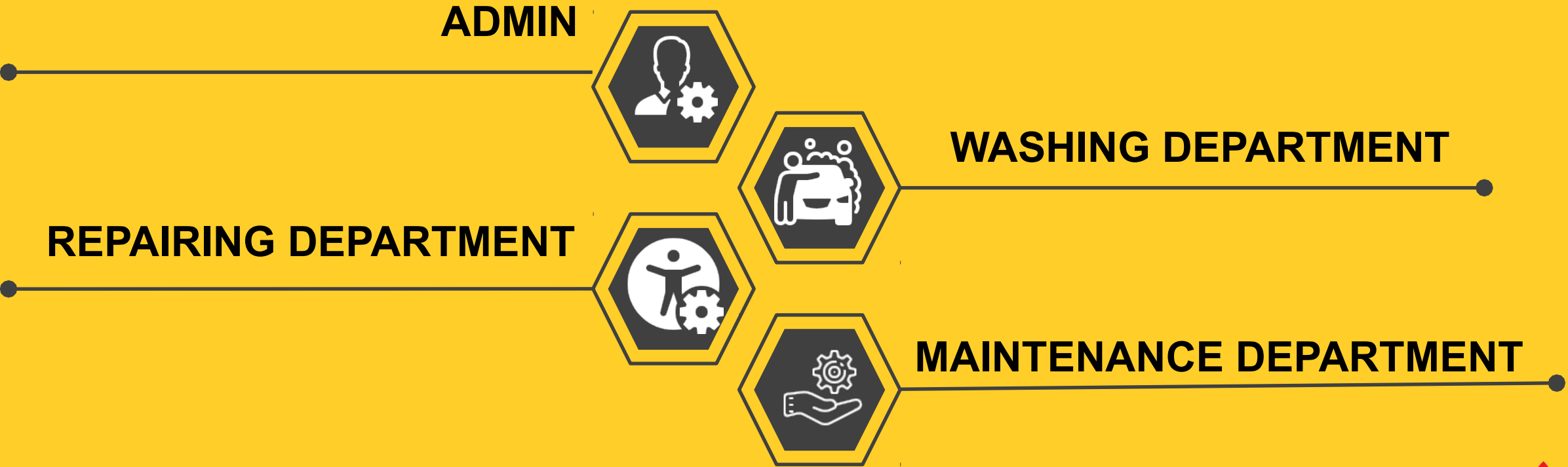
## Maintenance

Full vehicle checking and time to time maintenance of vehicle



# ROLES

Different departments with different roles assigned



# DigiGarage Data Dictionary

## 1. Login

Data Field	Data type	Constraints
Id	int	Primary Key.
emailid	nvarchar(30)	Not Null
password	nvarchar(10)	Not Null

## 2. Roles

Data Field	Data type	Constraints
Id	int	Primary Key.
userId	int	Foreign Key
UserRole	nvarchar(15)	Not Null



### 3. Customers

Data Field	Data type	Constraints
ID	int	Primary Key.
Name	nvarchar(30)	Not Null
Address	nvarchar(30)	Not Null
City	nvarchar(20)	Not Null
PhoneNo	nvarchar(11)	Not Null
Email	nvarchar(50)	Not Null
Password	nvarchar(10)	Not Null

### 4. Vehicles

Data Field	Data type	Description
ID	int	Primary Key.
LicensePlate	nvarchar(30)	Not Null
Color	nvarchar(10)	Not Null
FuelType	nvarchar(10)	Not Null
Brand	nvarchar(30)	Not Null.
Model	nvarchar(30)	Not Null
RegistrationDate	date	Not Null
ChassisNo	nvarchar(20)	Not Null
EngineNo	nvarchar(15)	Not Null
CustomerId	int	Foreign Key.

### 5. Mechanics

Data Field	Data type	Description
ID	int	Primary Key
Name	nvarchar(30)	Not Null
PhoneNo	nvarchar(11)	Not Null
EmailID	nvarchar(50)	Not Null
Brand	nvarchar(30)	Not Nu
DeptId	int	Foreign Key.

### 6. Booking

Data Field	Data type	Description
BookingId	int	Primary Key
VehicleId	int	Foreign Key
ServiceId	int	Foreign Key
BookingDate	date	Not Null
Status	int	Not Null
DepartmentId	int	Foreign Key.
Description	nvarchar(MAX)	Not Null

### 7. Booking History

Data Field	Data type	Description
HistoryId	int	Primary Key
BookingId	int	Foreign Key
ServiceId	int	Foreign Key
VehicleId	int	Foreign Key
DepartmentId	int	Foreign Key.
MechanicId	int	Foreign Key.

### 8. Payment

Data Field	Data type	Description
PaymentId	int	Primary Key
BookingId	int	Foreign Key
VehicleID	int	Foreign Key
ServiceID	int	Foreign Key.
TotalAmount	decimal(8, 0)	Not Null
Date	date	Not Null

**9. Services**

Service ID	ServiceName
1	Washing
2	Repairing
3	Maintenance
4	Washing and Repairing
5	Maintenance and Washing

**10.StatusOfBooking**

ID	Status
1	Pending
2	Accept
3	Completed
4	Generated

**11.Department**

ID	Department
1	Washing
2	Repairing
3	Maintenance

# UML DIAGRAM

01

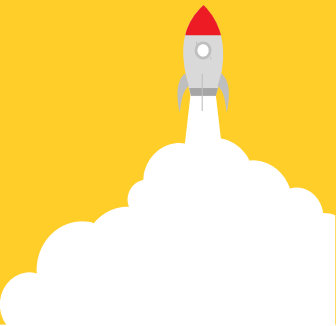
USE CASE DIAGRAM

02

ACTIVITY DIAGRAM

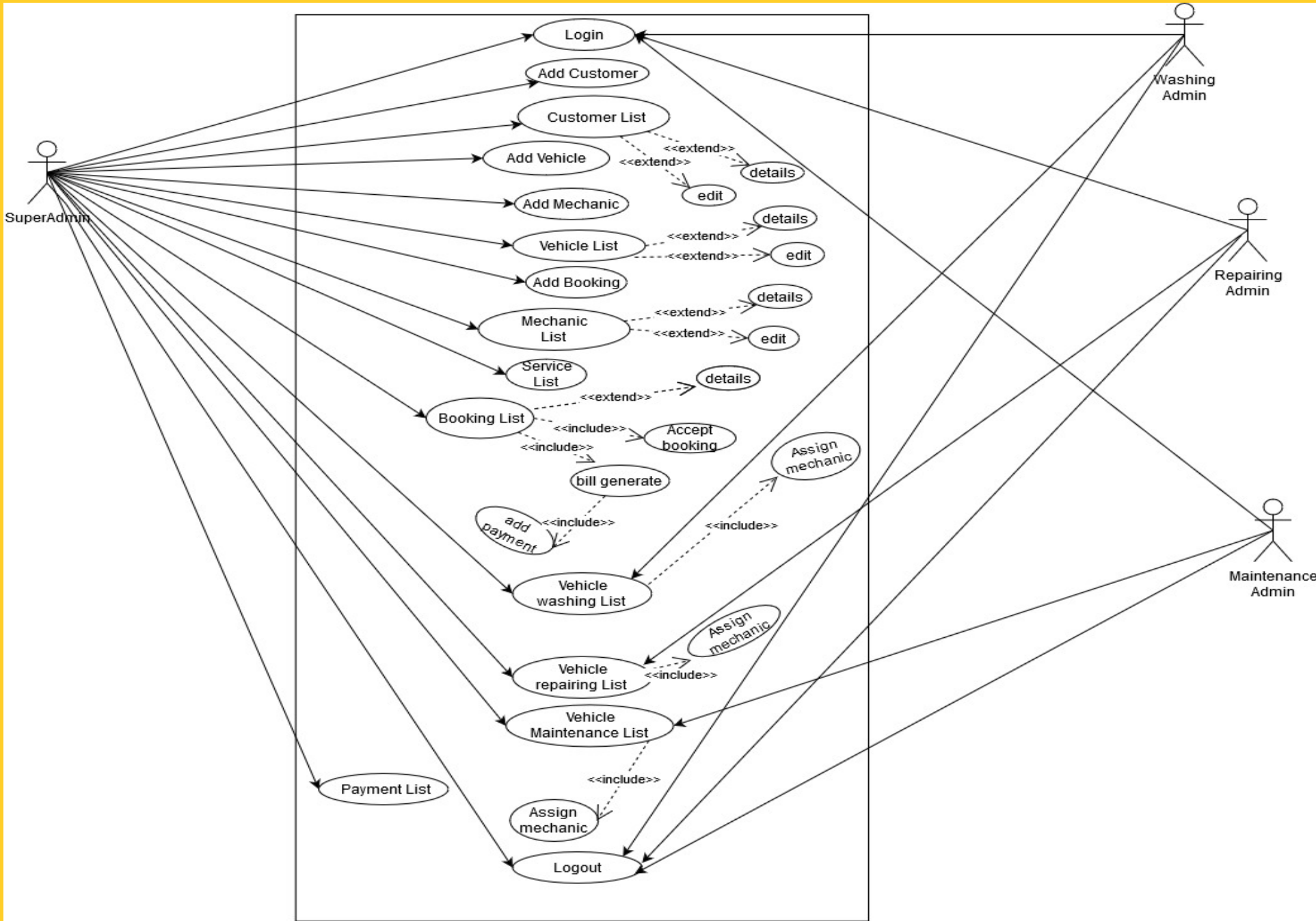
03

CLASS DIAGRAM



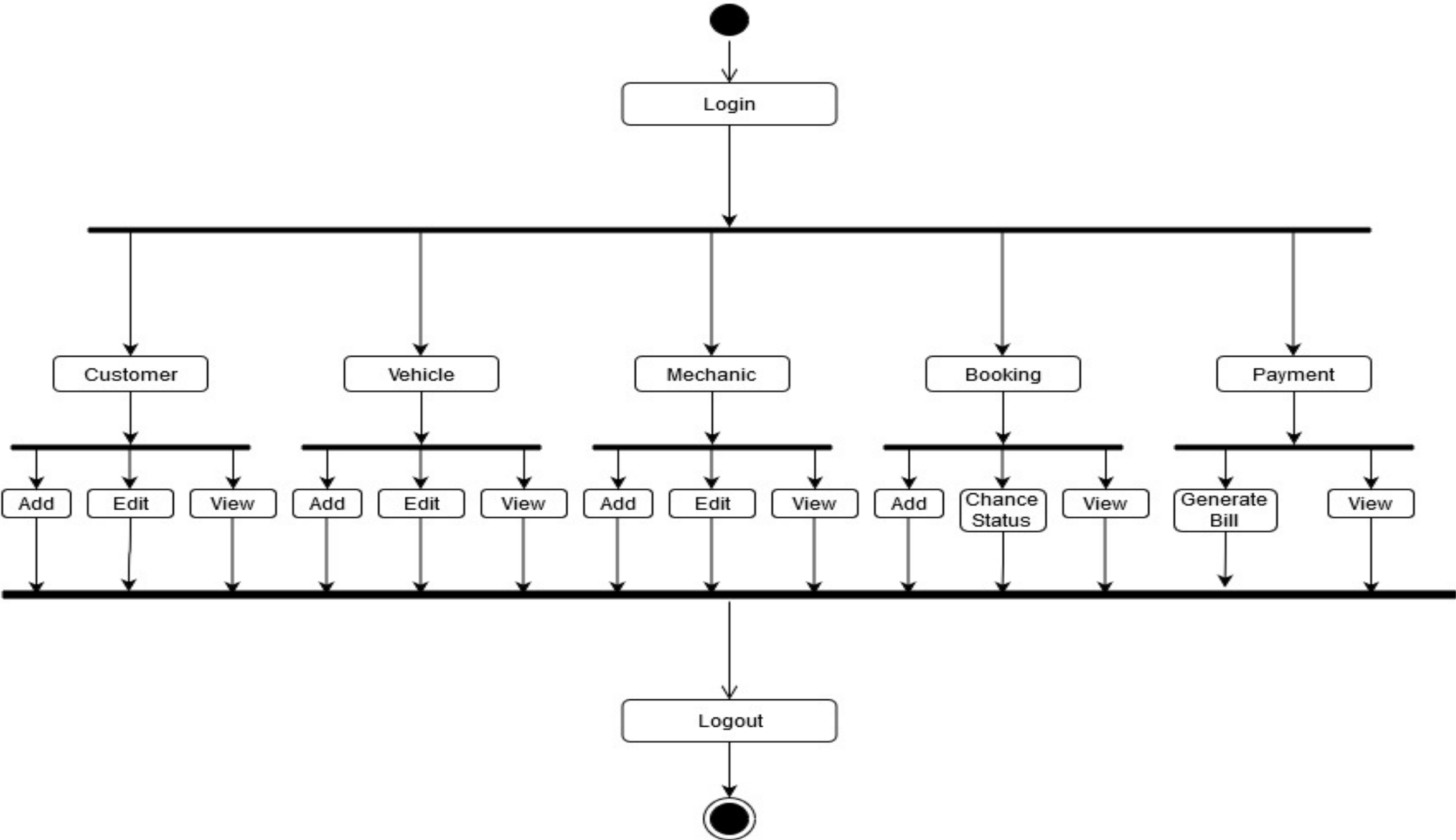


# USE CASE DIAGRAM



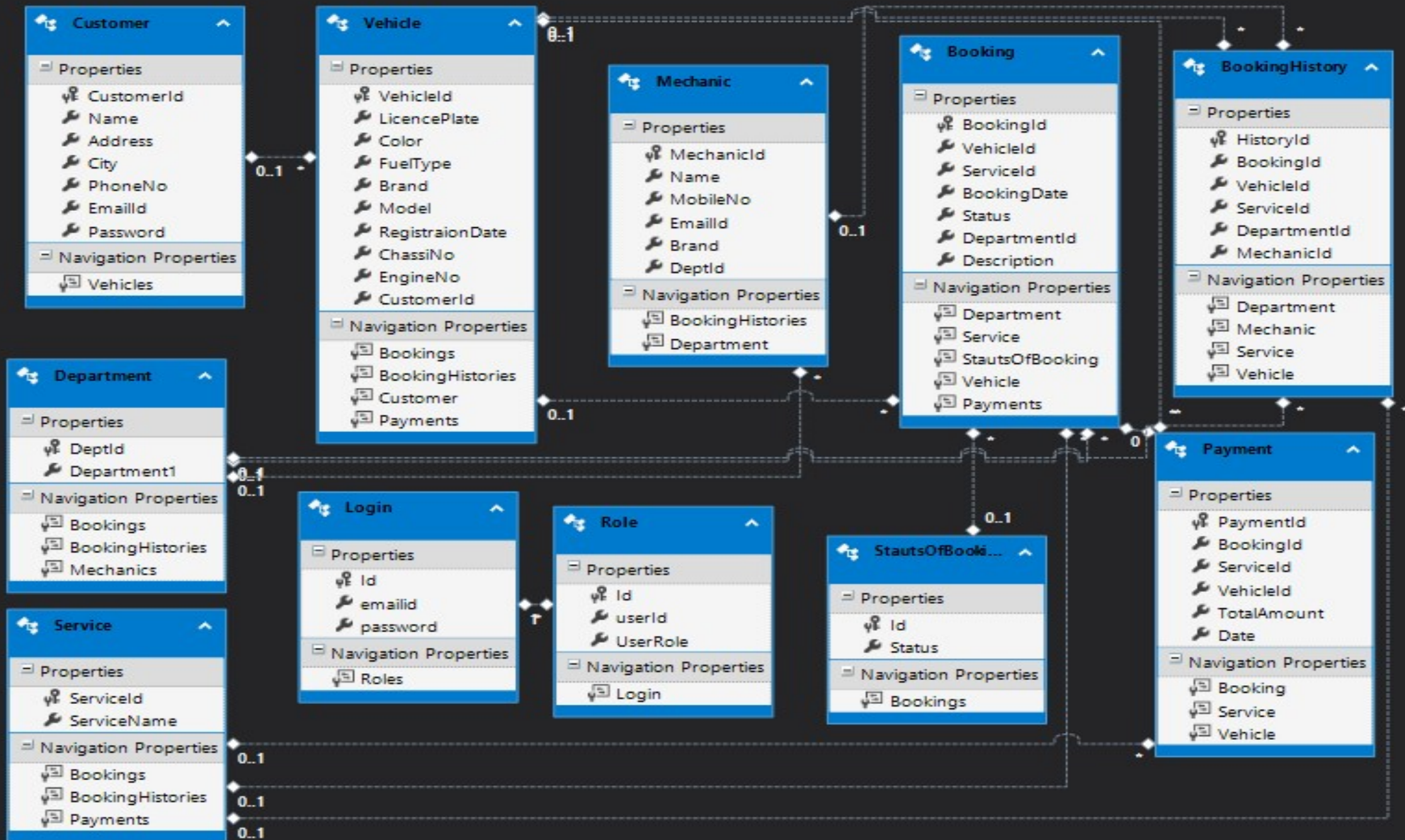


# ACTIVITY DIAGRAM



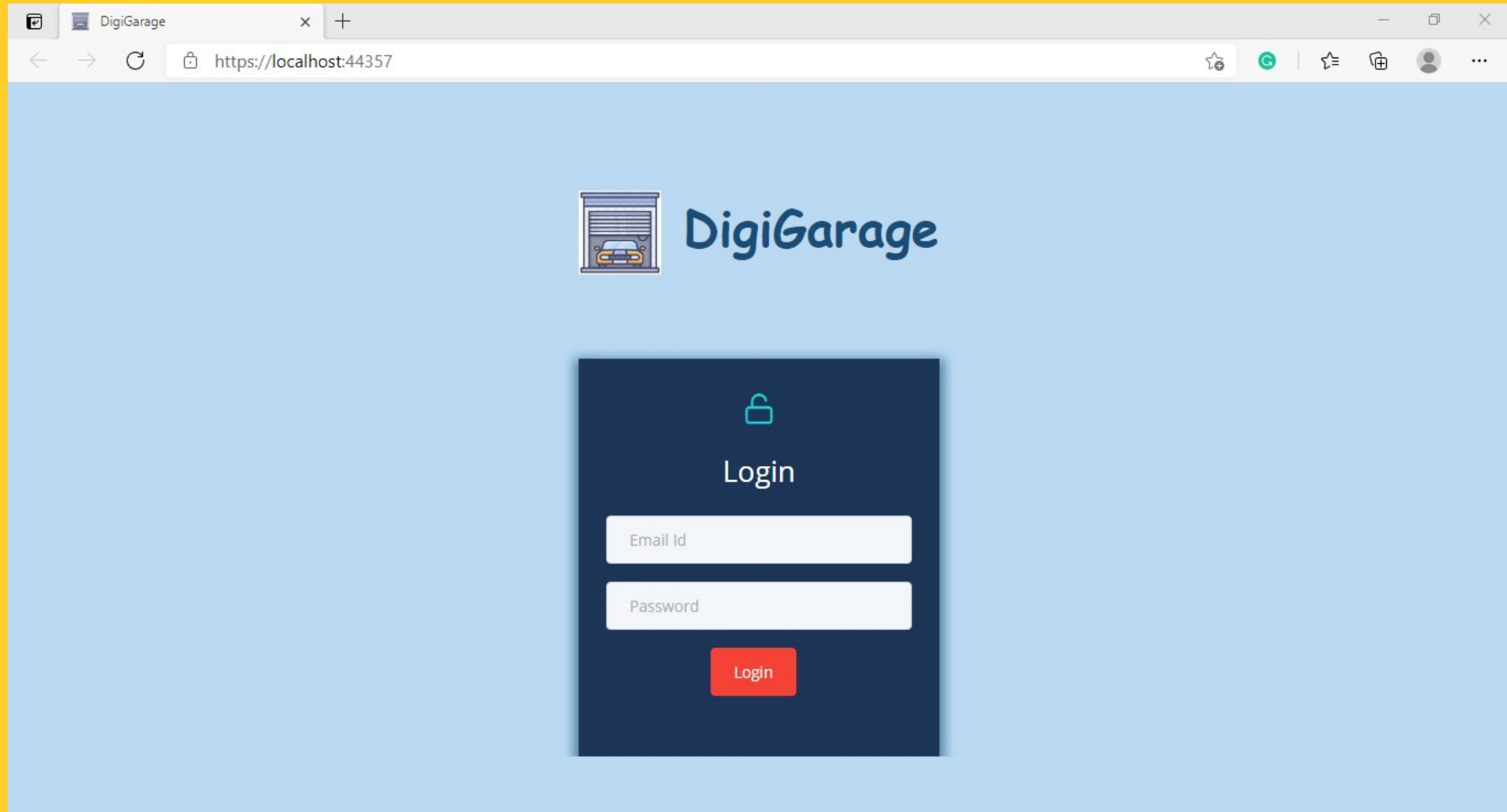


# CLASS DIAGRAM

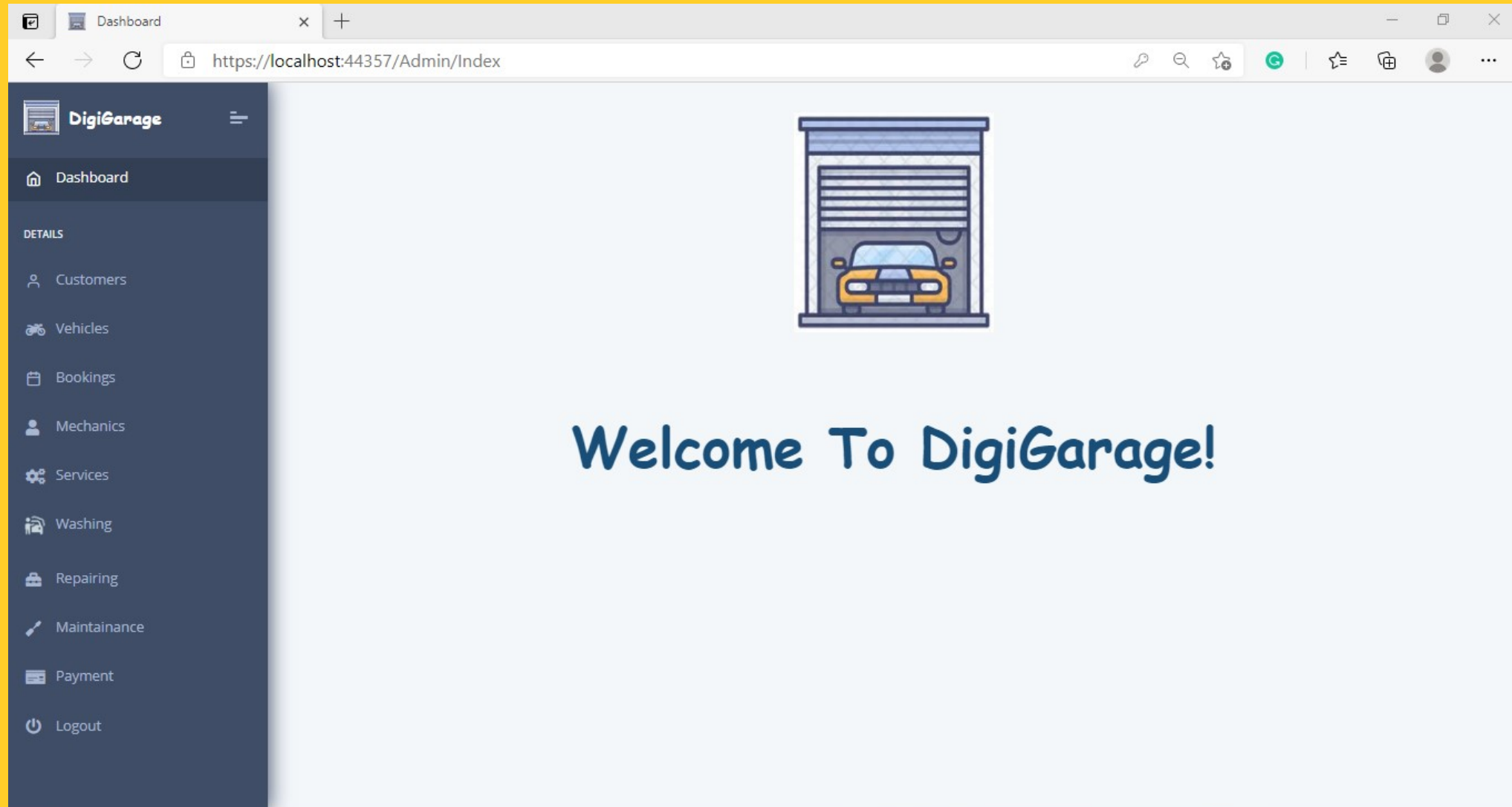




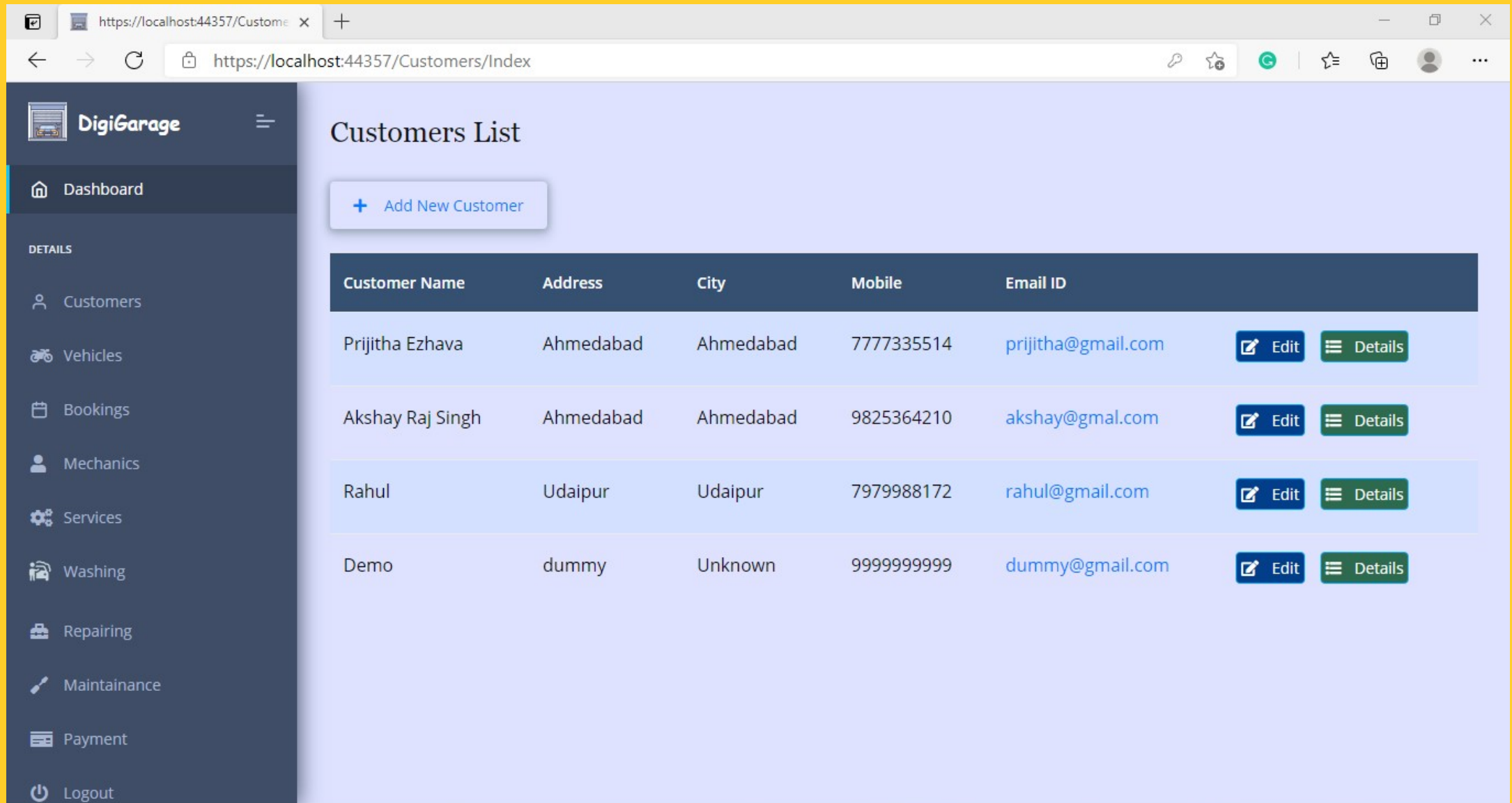
## 1. Login Form



## 2. Dashboard



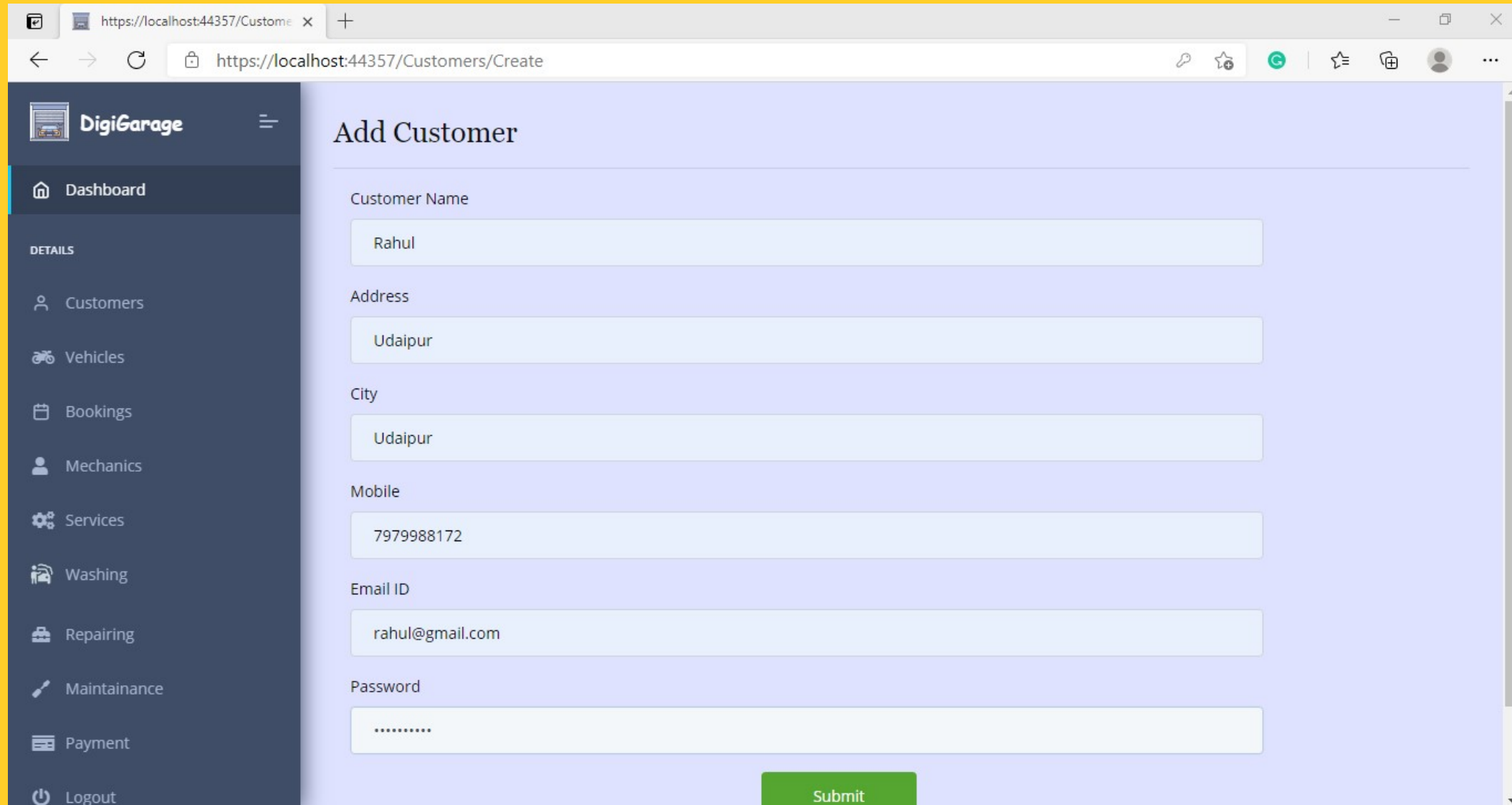
## 3. Customer List



The screenshot shows a web application interface for "DigiGarage". The left sidebar contains a navigation menu with the following items: Dashboard, Customers, Vehicles, Bookings, Mechanics, Services, Washing, Repairing, Maintenance, Payment, and Logout. The main content area is titled "Customers List" and features a "+ Add New Customer" button. Below the button is a table with the following data:

Customer Name	Address	City	Mobile	Email ID	
Prijitha Ezhava	Ahmedabad	Ahmedabad	7777335514	prijitha@gmail.com	<a href="#">Edit</a> <a href="#">Details</a>
Akshay Raj Singh	Ahmedabad	Ahmedabad	9825364210	akshay@gmal.com	<a href="#">Edit</a> <a href="#">Details</a>
Rahul	Udaipur	Udaipur	7979988172	rahul@gmail.com	<a href="#">Edit</a> <a href="#">Details</a>
Demo	dummy	Unknown	9999999999	dummy@gmail.com	<a href="#">Edit</a> <a href="#">Details</a>

## 4. Add customer

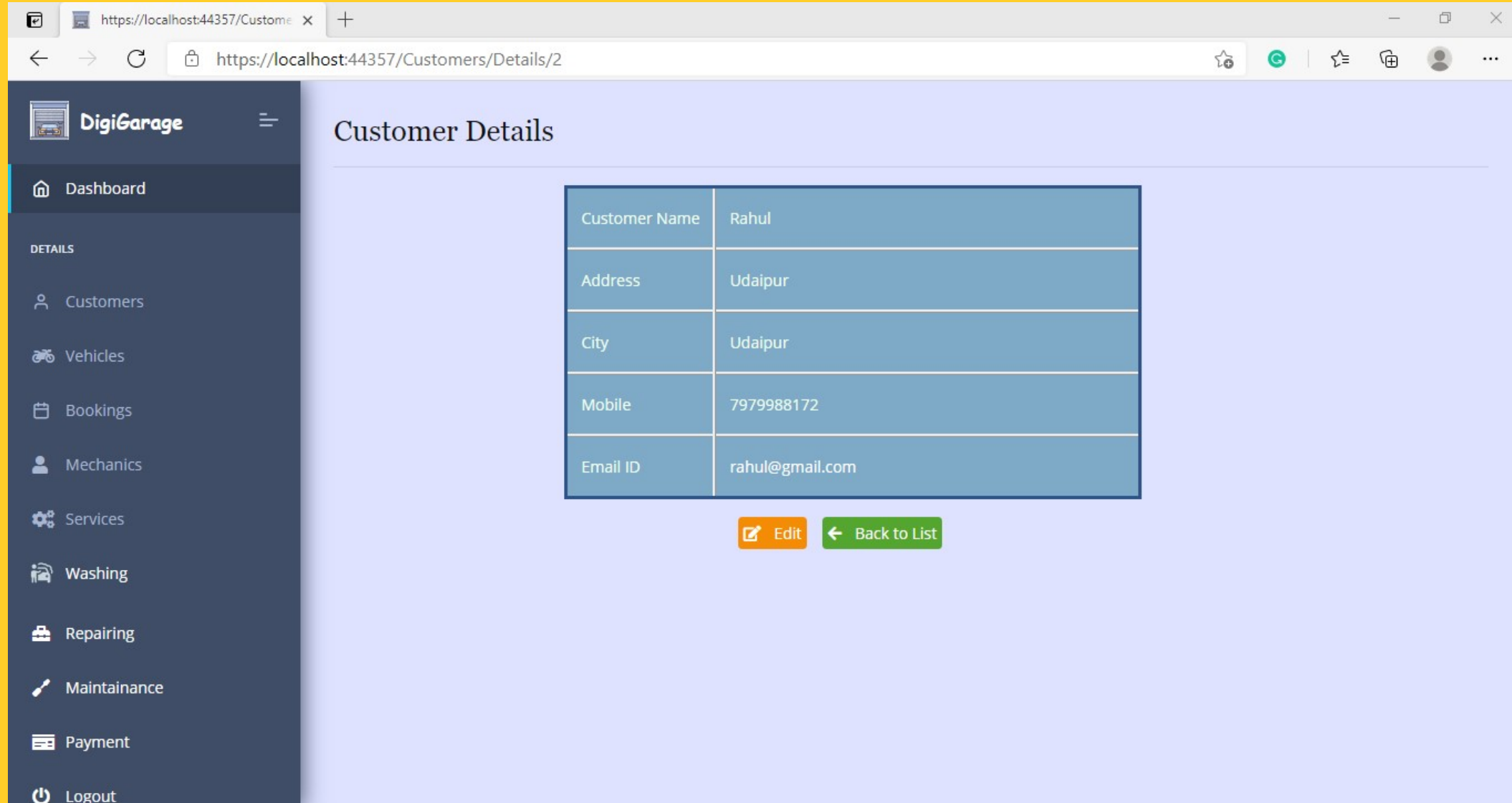


The screenshot shows a web browser window with the address bar displaying `https://localhost:44357/Customers/Create`. The page title is "Add Customer". On the left is a dark sidebar with the "DigiGarage" logo and a menu containing: Dashboard, Customers, Vehicles, Bookings, Mechanics, Services, Washing, Repairing, Maintenance, Payment, and Logout. The main content area has a light blue background and contains the following form fields:

- Customer Name:
- Address:
- City:
- Mobile:
- Email ID:
- Password:

A green "Submit" button is located at the bottom right of the form.

## 5. Customer Details




The screenshot displays the DigiGarage web application interface. The browser address bar shows the URL `https://localhost:44357/Customers/Details/2`. The application has a dark blue sidebar with the following menu items: Dashboard, Customers, Vehicles, Bookings, Mechanics, Services, Washing, Repairing, Maintenance, Payment, and Logout. The main content area is titled "Customer Details" and features a table with the following information:

Customer Name	Rahul
Address	Udaipur
City	Udaipur
Mobile	7979988172
Email ID	rahul@gmail.com

Below the table, there are two buttons: an orange "Edit" button with a pencil icon and a green "Back to List" button with a left arrow icon.

## 6. Edit Customer

 DigiGarage

[Dashboard](#)

DETAILS

[Customers](#)

[Vehicles](#)

[Bookings](#)

[Mechanics](#)

[Services](#)

[Washing](#)

[Repairing](#)

[Maintainance](#)

[Payment](#)

[Logout](#)

### Edit Customer

Customer Name

Nishit

Address

Kanchan Apartment

City

Ahmedabad

Mobile

9985321456


Email ID

nishit@gmail.com

Submit

[← Back to List](#)

# 7. Vehicle List

 DigiGarage

Dashboard

DETAILS

Customers

Vehicles

Bookings

Mechanics

Services

Washing

Repairing

Maintainance

Payment

Logout

Vehicle Details

+ Add New Vehicle

Licence Plate No	Fuel Used	Brand	Model	Registration Date	Chassis Number	Customer Name	Actions
GJ89J45111	Petrol	Honda	CBF	2020-01-05	771476RPRS2551987	Akshay Raj Singh	<div><div>Edit</div><div>Details</div></div>
GJ53A55168	Diesel	BMW	BMW X2	2019-12-22	871476RQAZ4512354	Prijitha Ezhava	<div><div>Edit</div><div>Details</div></div>
RJ35A05342	Petrol	Hero	KIA	2017-02-14	600132CTZP7890015	Rahul	<div><div>Edit</div><div>Details</div></div>

# 8. Add vehicle

 DigiGarage

Dashboard

DETAILS

Customers

Vehicles

Bookings

Mechanics

Services

Washing

Repairing

Maintainance

Payment

Logout

Add Vehicle

Licence Plate No

GJ53A55168

Color

White

Fuel Used

Diesel

Brand

BMW

Model

CBF

Registration Date

05/12/2021

Chassis Number

771476RPRS2551987

Engine Number

WG972

Customer


Priyitha Ezhava

Submit

Back to List



# 9. Vehicle Details

 DigiGarage

Dashboard

DETAILS

Customers

Vehicles

Bookings

Mechanics

Services

Washing

Repairing

Maintainance

Payment

Logout


Vehicle Details

Licence Plate No	BR0110A501
Fuel Used	Petrol
Brand	Audi
Model	Ax2
Registration Date	2019-10-15
Chassis Number	45358974103569847
Customer Name	Nishit

Edit

Back to List

## 10. Edit Vehicle

 DigiGarage

[Dashboard](#)

DETAILS

[Customers](#)

[Vehicles](#)

[Bookings](#)

[Mechanics](#)

[Services](#)

[Washing](#)

[Repairing](#)

[Maintenance](#)

[Payment](#)

[Logout](#)

### Edit Vehicle

Licence Plate No

BR0110A501

Fuel Used

Petrol

Brand

Audi

Model

Ax2

Registration Date

10/15/2019

Chassis Number

45358974103569847

Customer Name

Nishit

Submit

[← Back to List](#)

# 11. Mechanic List


https://localhost:44357/Mechanics/Index

Mechanics List

+ Add New Mechanic

Mechanic Name	Mobile	Email ID	Brand	Department	
Mehul	8632147896	<a href="mailto:mehul@gmail.com">mehul@gmail.com</a>	Hero	Maintainance	<div><div>Edit</div><div>Details</div></div>
Vijay	9865325689	<a href="mailto:vijay@gmail.com">vijay@gmail.com</a>	Kia	Repairing	<div><div>Edit</div><div>Details</div></div>
Akash	9636598740	<a href="mailto:akash@gmail.com">akash@gmail.com</a>	Honda	Washing	<div><div>Edit</div><div>Details</div></div>

# 12. Add Mechanic

 DigiGarage

Dashboard

DETAILS

Customers

Vehicles

Bookings

Mechanics

Services

Washing

Repairing

Maintainance

Payment

Logout

Add Mechanic

Mechanic Name

Rahul

Mobile

7979988172

Email ID

rahul@gmail.com

Brand

Hero


Department

Washing

Submit

Back to List

# 13. Mechanic Details

 DigiGarage

Dashboard

DETAILS

Customers

Vehicles

Bookings

Mechanics

Services

Washing

Repairing

Maintainance

Payment

Logout


## Mechanic Details

Mechanic Name	Mehul
Mobile	8632147896
Email ID	mehul@gmail.com
Brand	Hero
Department	Maintainance

Edit

Back to List

## 14. Edit Mechanic

 DigiGarage

Dashboard

DETAILS

Customers

Vehicles

Bookings

Mechanics

Services

Washing

Repairing

Maintainance

Payment

Logout

### Edit Mechanic

Mechanic Name

Mehul

Mobile

8632147896

Email ID

mehul@gmail.com

Brand

Hero

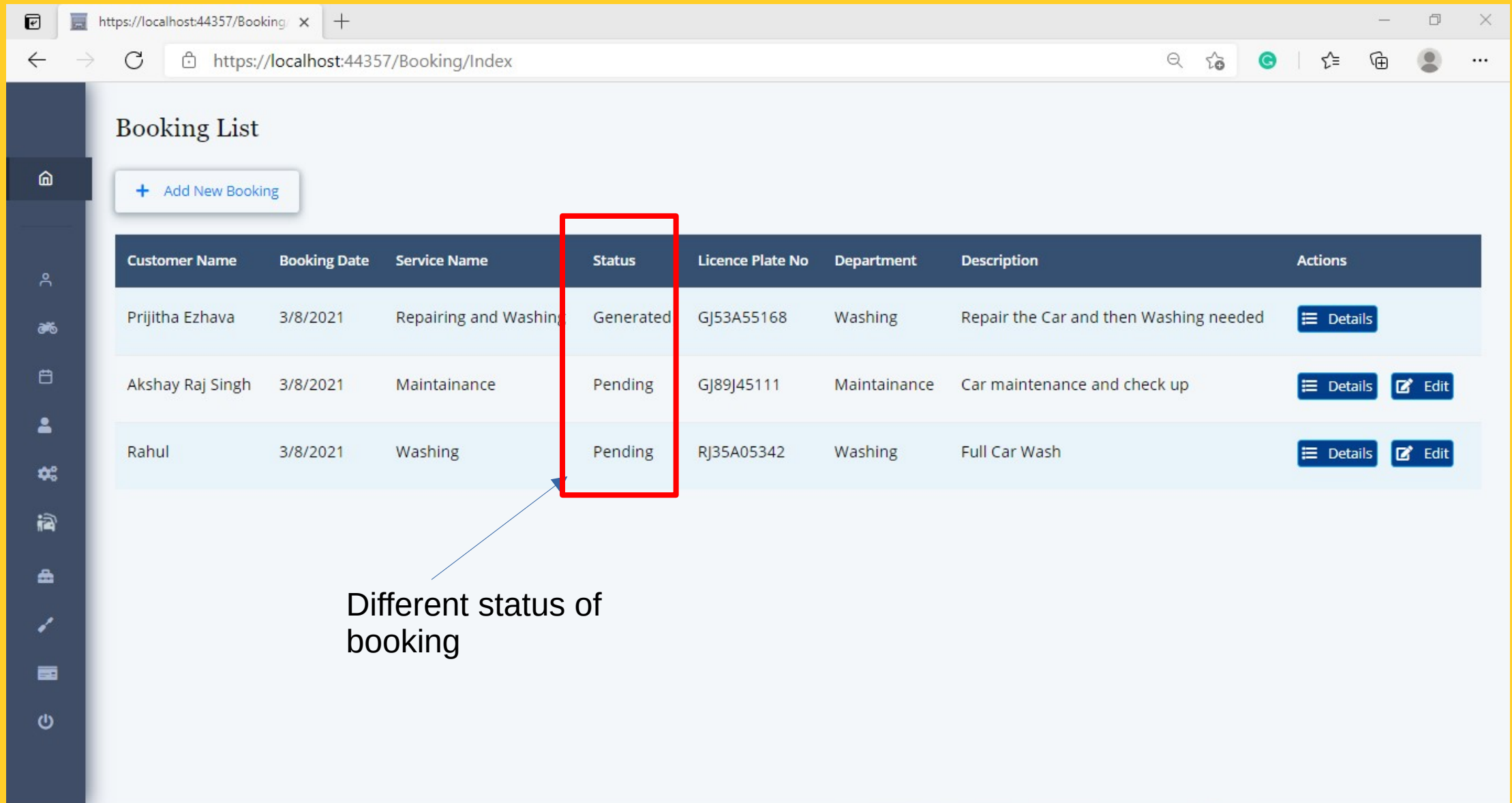
Department

Washing

Submit

Back to List

## 15. Booking List



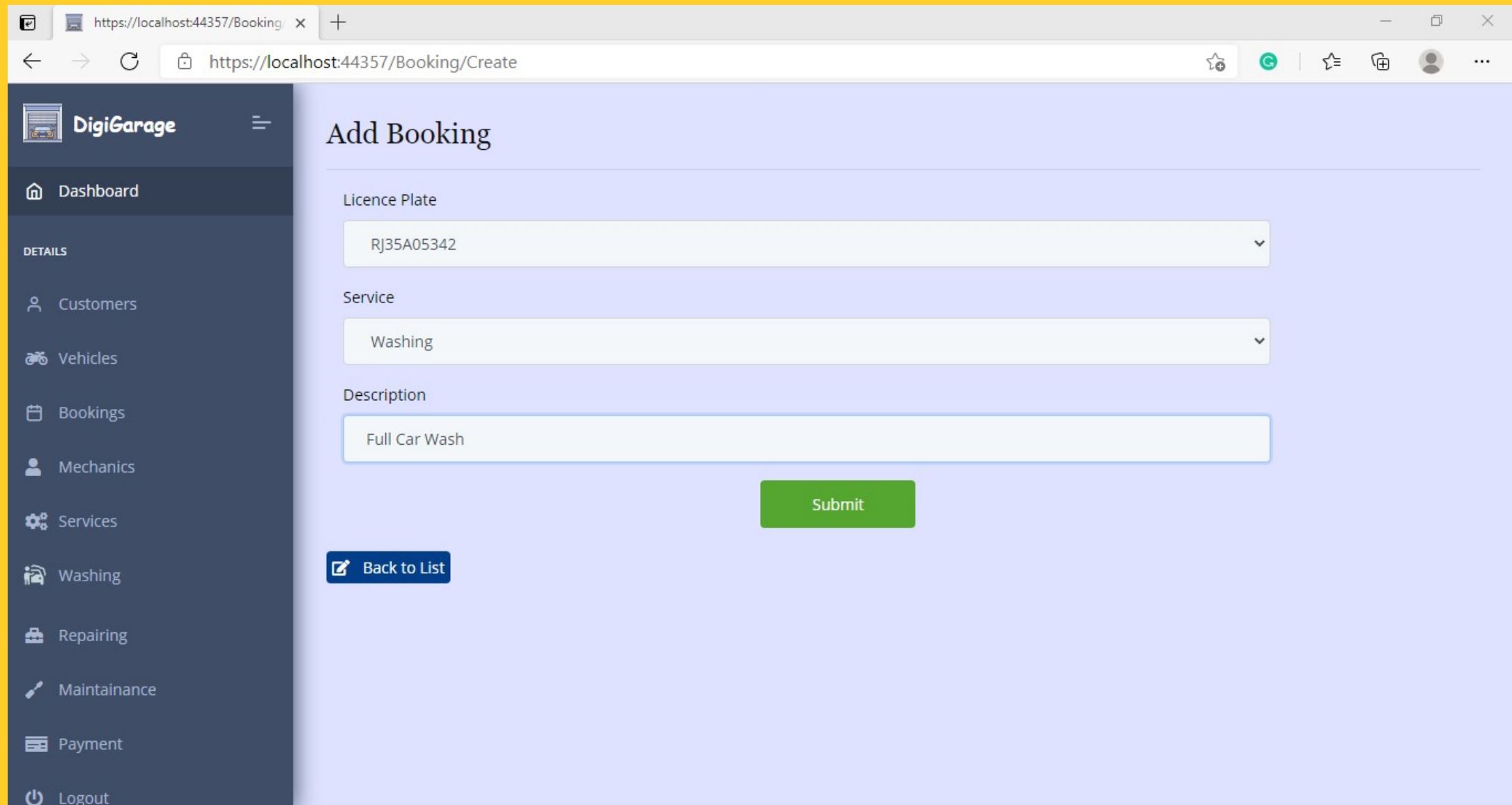
Booking List

[+ Add New Booking](#)

Customer Name	Booking Date	Service Name	Status	Licence Plate No	Department	Description	Actions
Prijitha Ezhava	3/8/2021	Repairing and Washing	Generated	GJ53A55168	Washing	Repair the Car and then Washing needed	<a href="#">Details</a>
Akshay Raj Singh	3/8/2021	Maintainance	Pending	GJ89J45111	Maintainance	Car maintenance and check up	<a href="#">Details</a> <a href="#">Edit</a>
Rahul	3/8/2021	Washing	Pending	RJ35A05342	Washing	Full Car Wash	<a href="#">Details</a> <a href="#">Edit</a>

Different status of booking

## 16. Add Booking



The screenshot shows a web browser window with the address bar displaying `https://localhost:44357/Booking/Create`. The page title is "Add Booking". On the left is a dark sidebar with the "DigiGarage" logo and a menu containing: Dashboard, DETAILS, Customers, Vehicles, Bookings, Mechanics, Services, Washing, Repairing, Maintenance, Payment, and Logout. The main content area has a light blue background and contains three form fields: "Licence Plate" with the value "RJ35A05342", "Service" with the value "Washing", and "Description" with the value "Full Car Wash". Below these fields is a green "Submit" button and a dark blue "Back to List" button with a left-pointing arrow icon.

https://localhost:44357/Booking x +

https://localhost:44357/Booking/Create

**DigiGarage**

Dashboard

DETAILS

Customers

Vehicles

Bookings

Mechanics

Services

Washing

Repairing

Maintenance

Payment

Logout

### Add Booking

Licence Plate

RJ35A05342

Service

Washing

Description

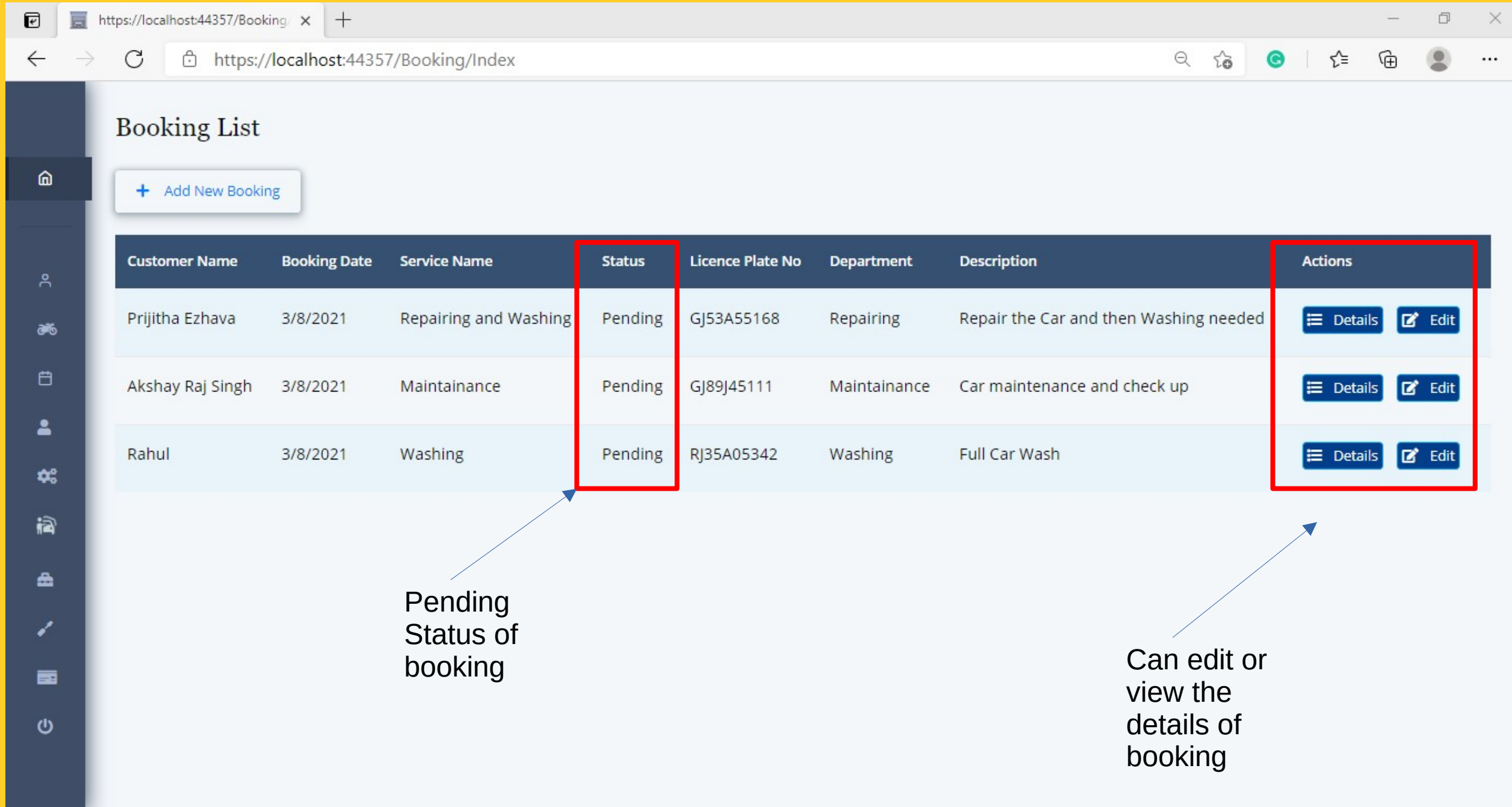
Full Car Wash

Submit

[Back to List](#)



## 17. Pending Status of Booking



Booking List


[+ Add New Booking](#)

Customer Name	Booking Date	Service Name	Status	Licence Plate No	Department	Description	Actions
Prijitha Ezhava	3/8/2021	Repairing and Washing	Pending	GJ53A55168	Repairing	Repair the Car and then Washing needed	<a href="#">Details</a> <a href="#">Edit</a>
Akshay Raj Singh	3/8/2021	Maintainance	Pending	GJ89J45111	Maintainance	Car maintenance and check up	<a href="#">Details</a> <a href="#">Edit</a>
Rahul	3/8/2021	Washing	Pending	RJ35A05342	Washing	Full Car Wash	<a href="#">Details</a> <a href="#">Edit</a>

Pending Status of booking

Can edit or view the details of booking

# 18. Change Status

 DigiGarage

Dashboard

DETAILS

Customers

Vehicles

Bookings

Mechanics

Services

Washing

Repairing

Maintainance

Payment

Logout

Edit

Booking

Licence Plate

MH0536AR56

Service

Washing

Description

Full Car Wash

Status

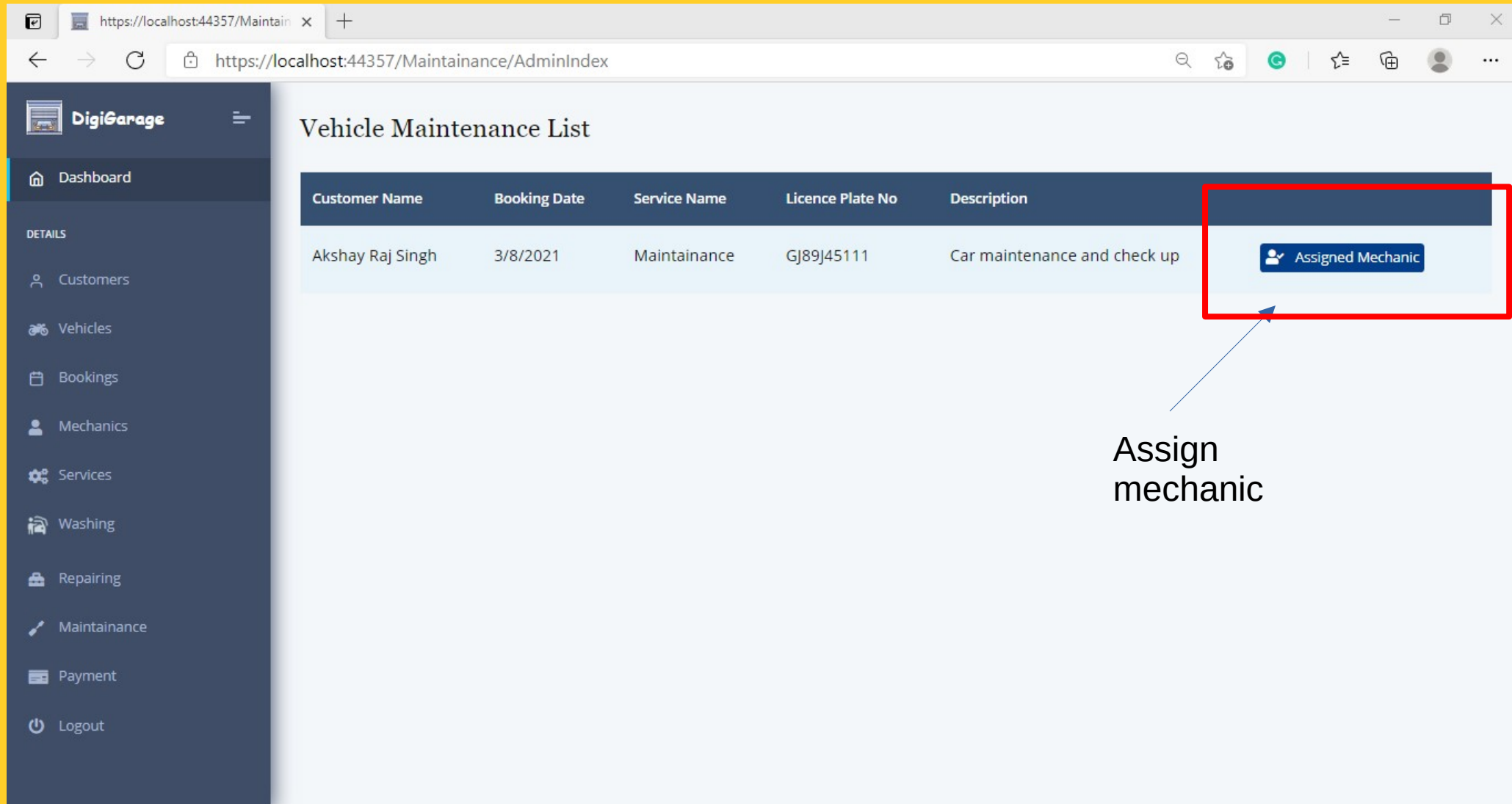
Accept

Submit

Back to List

Confirmation of booking

## 19. Vehicle Maintenance List

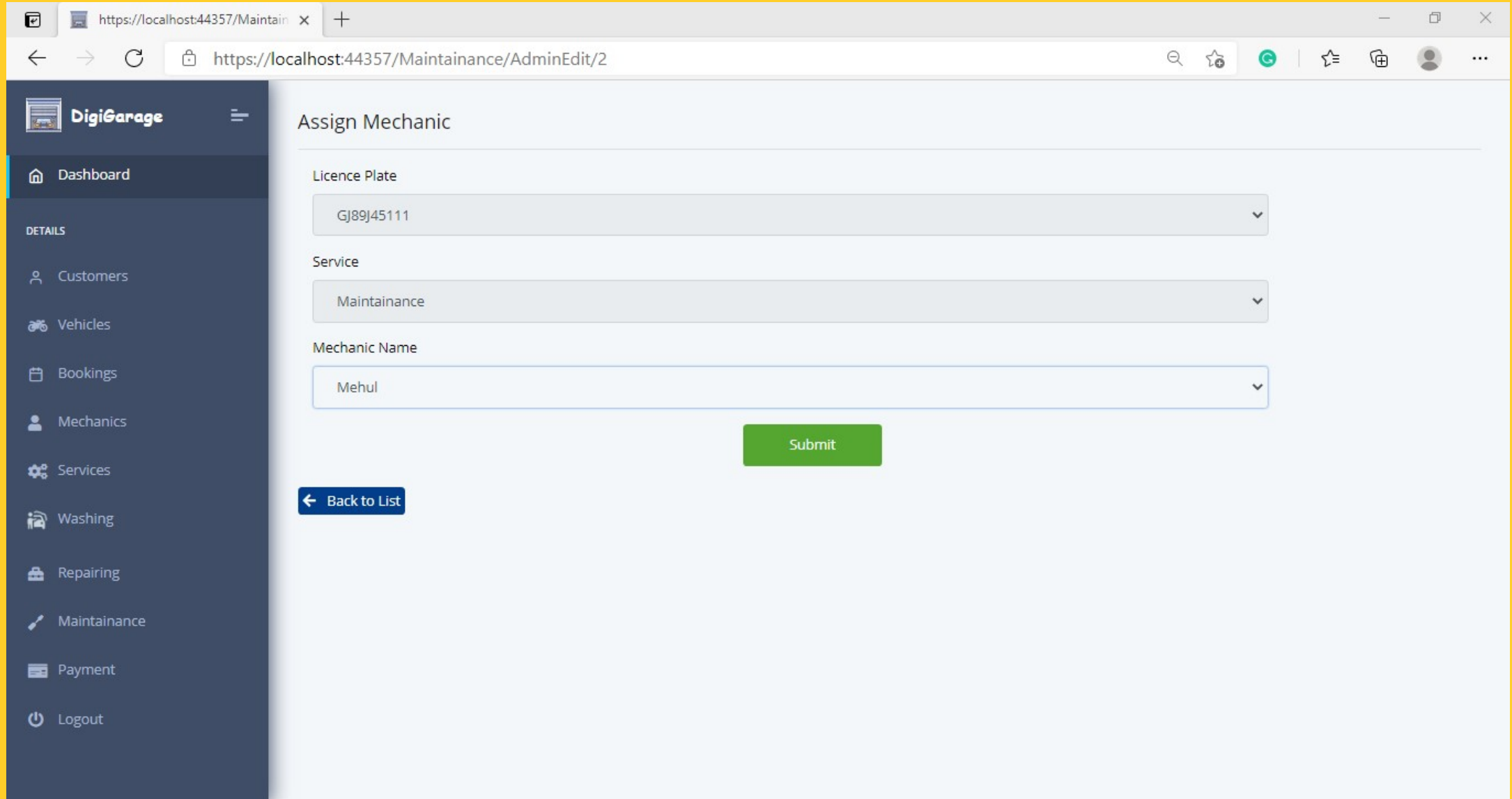


The screenshot displays the DigiGarage application interface. On the left is a dark sidebar with the 'DigiGarage' logo and a menu including Dashboard, Customers, Vehicles, Bookings, Mechanics, Services, Washing, Repairing, Maintenance, Payment, and Logout. The main content area is titled 'Vehicle Maintenance List' and contains a table with the following data:

Customer Name	Booking Date	Service Name	Licence Plate No	Description	
Akshay Raj Singh	3/8/2021	Maintainance	GJ89J45111	Car maintenance and check up	<a href="#">Assigned Mechanic</a>

A red rectangular box highlights the 'Assigned Mechanic' button in the first row of the table. A blue arrow points from the text 'Assign mechanic' to this button.

## 20. Assign Mechanic



The screenshot shows a web browser window with the URL `https://localhost:44357/Maintenance/AdminEdit/2`. The application is titled "DigiGarage" and has a dark sidebar menu on the left. The main content area is titled "Assign Mechanic" and contains three dropdown menus: "Licence Plate" (selected: GJ89J45111), "Service" (selected: Maintenance), and "Mechanic Name" (selected: Mehul). Below these fields is a green "Submit" button and a blue "Back to List" button.

**Dashboard**

**DETAILS**

- Customers
- Vehicles
- Bookings
- Mechanics
- Services
- Washing
- Repairing
- Maintenance
- Payment
- Logout

### Assign Mechanic

Licence Plate

GJ89J45111

Service

Maintenance

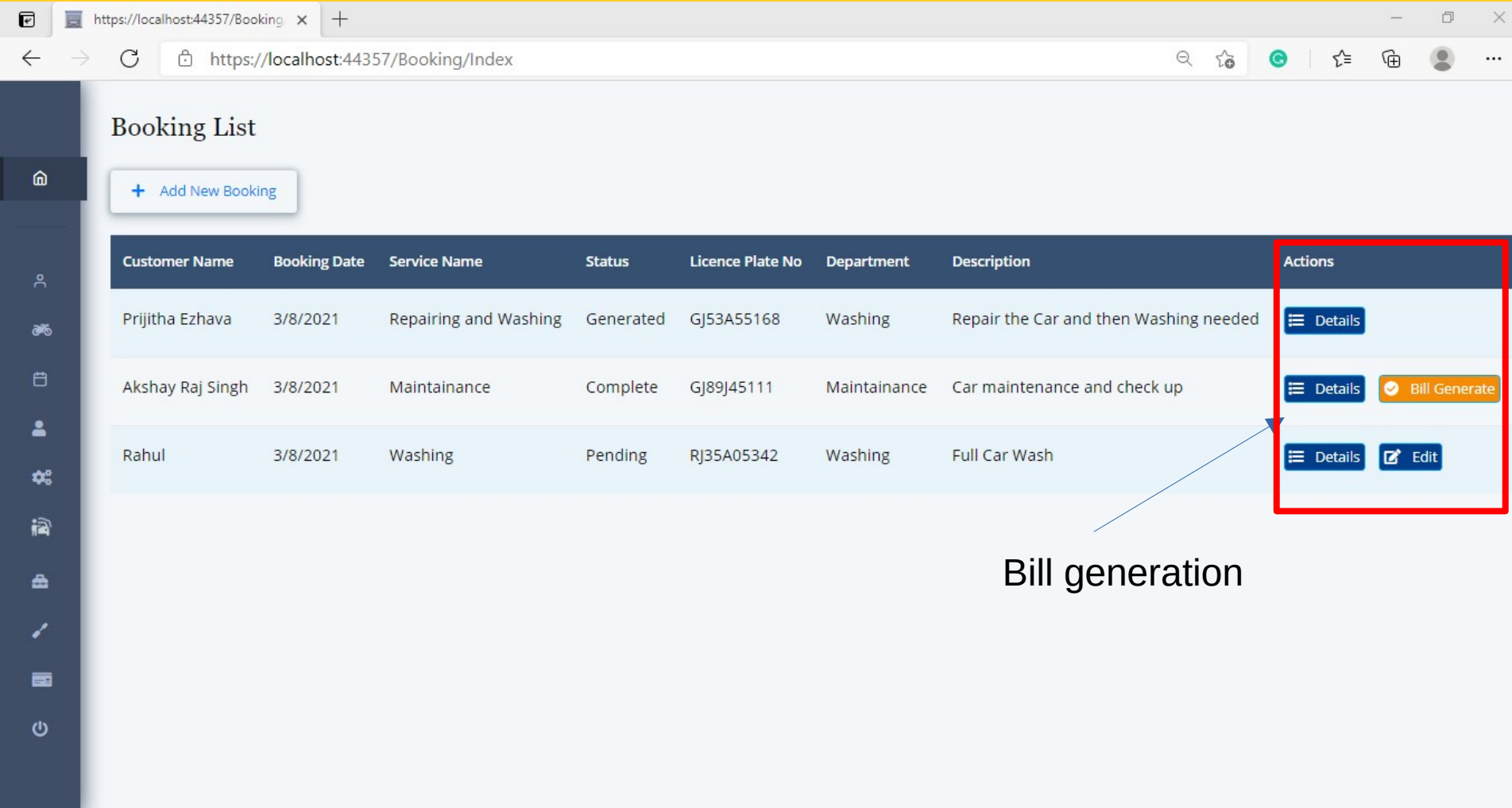
Mechanic Name

Mehul

Submit

Back to List

## 21. Booking Complete



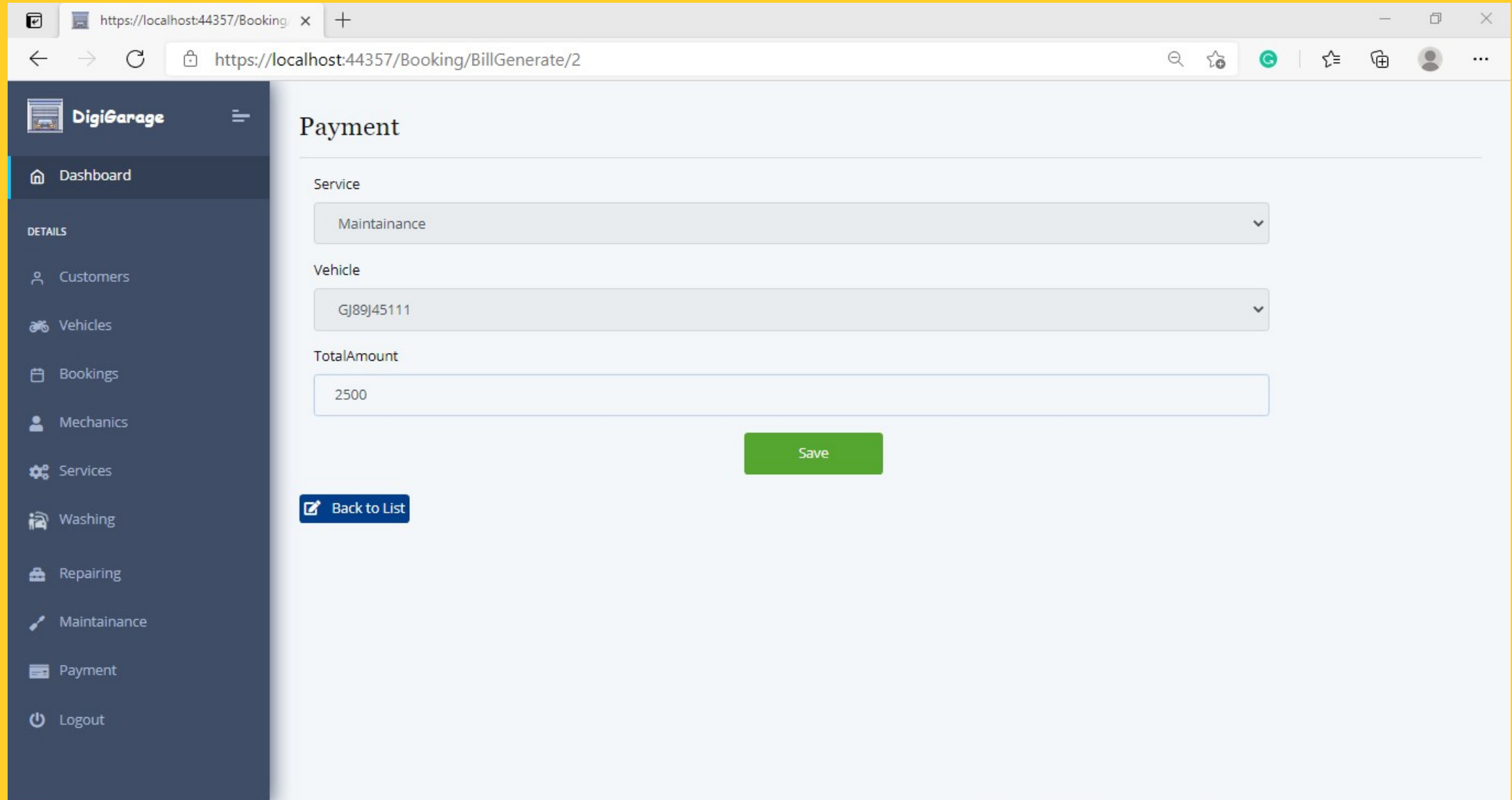
Booking List

[+ Add New Booking](#)

Customer Name	Booking Date	Service Name	Status	Licence Plate No	Department	Description	Actions
Prijitha Ezhava	3/8/2021	Repairing and Washing	Generated	GJ53A55168	Washing	Repair the Car and then Washing needed	<a href="#">Details</a>
Akshay Raj Singh	3/8/2021	Maintainance	Complete	GJ89J45111	Maintainance	Car maintenance and check up	<a href="#">Details</a> <a href="#">Bill Generate</a>
Rahul	3/8/2021	Washing	Pending	RJ35A05342	Washing	Full Car Wash	<a href="#">Details</a> <a href="#">Edit</a>

Bill generation

## 22. Billing Section




The screenshot shows a web browser window with the URL `https://localhost:44357/Booking/BillGenerate/2`. The browser's address bar and tabs are visible at the top. The page features a dark blue sidebar on the left with the "DigiGarage" logo and a menu containing "Dashboard", "DETAILS", "Customers", "Vehicles", "Bookings", "Mechanics", "Services", "Washing", "Repairing", "Maintenance", "Payment", and "Logout". The "Payment" section is active, displaying a form with the following fields:

- Service:** A dropdown menu with "Maintainance" selected.
- Vehicle:** A dropdown menu with "GJ89J45111" selected.
- TotalAmount:** A text input field containing "2500".

Below the form, there is a green "Save" button and a blue "Back to List" button with an external link icon.

# 23. Payment Section

 DigiGarage

Dashboard

DETAILS

Customers

Vehicles

Bookings

Mechanics

Services

Washing

Repairing

Maintainance

Payment

Logout

Payment List

Service Name	Licence Plate No	Customer Name	Date	TotalAmount
Repairing	BR0110A501	Nishit	3/12/2021	900.00
Washing	GJ53A55168	Prijitha Ezhava	3/12/2021	1200.00
Maintainance	GJ53A55168	Prijitha Ezhava	3/12/2021	5000.00
Washing	RJ35A05342	Rahul	3/12/2021	1000.00
Maintainance	GJ89J45111	Akshay Raj Singh	3/8/2021	2500.00
Repairing and Washing	GJ53A55168	Prijitha Ezhava	3/8/2021	1000.00

## Future Enhancement

1) Customers will also be one of the users of our website.

Their Roles would be:-

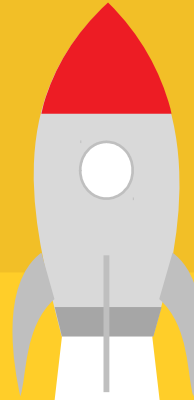
- i. will be able to register their vehicles
- ii. Will be able to place service booking.
- iii. track status of their vehicle services.
- iv. check their services history in our website.
- v. Will also be able to contact our mechanics in case of emergency.

2) On Admin Side:-

- i. Search for spare parts in nearby locality.

3) Payment Gateway will be added





**Thank you**