

# **ONLINE CAR RENTAL SYSTEM**

**PROJECT REPORT**

Submitted by

**ASWIN A K**

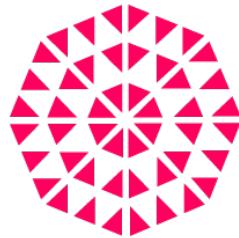
**KMC21MCA-2008**

**to**

the APJ Abdul Kalam Technological University in partial fulfillment of the requirements  
for the award of the Degree

of

*Master of Computer Applications*



**Department Of Management Studies & Computer Applications**

**KMCT College of Engineering**

**Kallanthode, NITC P.O, Kozhikode-673601**

**NOVEMBER 2022**

## **DECLARATION**

I undersigned hereby declare that the project report "**Online Car Rental System**", submitted for partial fulfillment of the requirements for the award of degree of Master of Computer Applications of the APJ Abdul Kalam Technological University, Kerala is a bonafide work done by me under supervision of **Mrs. Anjusha K.** This submission represents my ideas in my own words and where ideas or words of others have been included, I have adequately and accurately cited and referenced the original sources. I also declare that I have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in my submission. I understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree.

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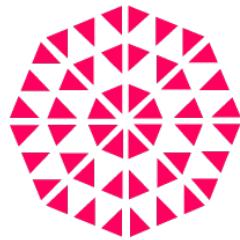
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**CERTIFICATE**

This is to certify that the report entitled "**Online Car Rental System**" submitted by **ASWIN A K (KMC21MCA-2008)** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications is a bonafide record of the project work carried out by her under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Internal Supervisor

Project Coordinator

Head Of The Department

## **ACKNOWLEDGEMENT**

I would like to take this opportunity to extend my sincere thanks to people who helped me to make this project possible. This project will be incomplete without mentioning all the people who helped me to make it real.

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Above all I thank God, the almighty for his grace without which it would not have been possible to complete this work on time.

## **ABSTRACT**

The proposed system ONLINE CAR RENTAL SYSTEM is a web application created to help car rental businesses and their owners enable the online rental of both driverless and driver-operated vehicles. It enables customers to look for available automobiles, view their profiles, and reserve them for a specified amount of time. Its user-friendly design makes it easy for users to search for and rent cars for the required duration. The rental cars must be divided into hatchback, sedan, SUV, etc. categories. The user will be able to make reservations based on the type of car needed. Customers can now rent a car at any time thanks to the usage of internet technologies. The reservations are simple using our car rental system. Time and work are saved. The system will prompt the user for details like the date and time of the trip, the type of vehicle, etc. The system will assist the user in booking a car for the trip using these details. Users of this system are able to rent drivers, but the drivers must supply information about their credentials, licence, and driving history.

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# **Chapter 1**

## **INTRODUCTION**

It is a system for car rental agencies. Symphony Rent a car in Kozhikode. It is a company that rents automobiles drivers for short periods of time to the public ,generally ranging from a few hours to a few weeks, with monthly rentals also available. The agency primarily serves people who require a temporary vehicle, for example, those who do not own their own car and want to travel. The customers choose the authorised rental agencies and connect directly with the company. And the customer can choose the vehicle based on his demand. And the customer needs to submit his licence and Aadhar card as proof of his citizenship and address. Time concerns result from the fact that bookings have to be made a minimum of 48 hours prior to the time of delivery, which is not time-effective for customers. Customers who need cars urgently won't be able to receive one on time. Car rental agents typically work on a commission basis. The agency staff communicate with customers to answer questions and assist customers in selecting a vehicle that meets their needs based on factors such as price, category, and seat count. Processing paperwork, such as collecting signatures and scanning IDs to ensure compliance with local laws. There are additional vehicle categories available, such as premium, economy, and so on.Systems have made it possible to hire drivers in addition to renting cars.

The system enables the renting of cars through an online system. It helps users search for available cars, view profiles, and book the cars for the time period. It has an easy-to-use interface that allows the user to search for cars and rent them for the time period specified. They could also make payments online. The rental cars will be classified as economy,

premium, and so on. The user will be able to make reservations based on the type of car that the customer requires. The use of internet technology has made it easy for customers to rent a car at any time. Bookings are made simple with this car rental system. It saves time and labor. Customers can also rent drivers and can view profiles, select the driver and make contact.

## **1.1 General Background**

For the purpose of offering an online car rental service, numerous web portals have emerged. These need to be updated because they take a lot of time and work. In this approach, tracking the details of booked and registered automobiles is done manually through paper work or an excel sheet, which is a laborious task. It takes a lot of work to maintain an excel sheet or paper book record of research. Error probabilities are higher. There is no automation used, hence the procedure is quite slow. In this instance, risk is greater. Here the system is going to provide a web app that supports the rental shop, which is more practical for consumers. It makes it easier for consumers to rent a car from a vast selection of vehicles.

## **1.2 Objective**

A more user-friendly design and usage are supported by this system. Customers can now rent a car at any time thanks to the usage of internet technologies. The reservations are simple using our car rental system. Time and work are saved. The main benefit of this system is that it enables the user to see all the vehicles that are available , saving the user time and money by preventing them from having to visit rental agency to make their selection. This mechanism makes sure that the user gets value for the money they spend on the autos. Finding drivers for hire, with a vehicle, is not a simple task. Users can use this system to rent cars with and without drivers.

# **Chapter 2**

## **SYSTEM ANALYSIS**

### **2.1 Existing system**

The majority of the current automobile rental systems deal with customers in a conventional manner. The Car Rental System service will help users book a car for a fee specified. There was no clear web-based UI to help users rent the vehicle until now. They had to manually rent the vehicle through their offices. In this approach, tracking the details of booked and registered automobiles is done manually through paper work or an excel sheet. The customer needs to submit his licence and Aadhar card as proof of his citizenship and address. A user must visit the office to rent a car and make reservations for a car. Consumers want to rent a specific car, but frequently they do not see the car they are planning to travel in and wind up renting something else, ruining their trip. The current system has a hand-to-hand payment option. The customer must go and make a cash payment. Here, communication is only possible face-to-face. If the user needs to rent a car but is busy or has an emergency, he cannot do it using the conventional approach unless he travels there. In the system, customers can hire drivers for rent if they need to. In the modern digital era, where everything is available online, this strategy is no longer viable.

## **2.2 Proposed system**

The online car rental system is a system for Symphony Car Rental, Kozhikode to automate the existing manual system. This system is a web-based application based on the concept of allowing customers to rent cars and drivers. The proposed system is being designed so that the work will become easier, faster, and more reliable than before. The major goal of the proposed system is to enhance and upgrade the existing systems with more efficiency, effectiveness, and also with low cost.

To access the homepage, admin must first log in. From the main page, the admin can add or update data. The system offers an admin-only part where vehicles and their details can be added, updated, or deleted. Admin can access the feedback and inquiry section to view user feedback and inquiries and respond to them. Admin can view available vehicles and drivers. The admin can view bookings made by customers and also can update their booking statuses.

To access the primary system, a user must first register and log in. Only after gaining access will they be able to select from a variety of car models and rent them out for a set period of time. With just a few clicks, customers can find everything on their internet-connected device. A user can quickly do a query in the system that is Speaking of the system's features, a user can choose among the various cars after logging in. The system shows the selected car's details when a selection has been made. The user must then enter information such as the number of days they plan to rent an automobile. Following these steps, the system verifies the rent. Customers can also rent drivers and can view profiles, select the driver and make contact. The Car Rental System takes care of all the inconveniences associated with traditional methods, which combine human interaction. No more phone calls or office visits, unlike current systems. Simply open the website, look through the cars, choose, and reserve. The customer would be given the best service available while saving time. Using this technique, the customer can easily obtain the car whenever they require it. Just a working internet connection is all they require. The system makes it simple for users to conduct inquiries. Inquiry is essentially an automated and computerised operation, which makes it much faster than it was in the past. Additionally, the client can

leave feedback. Feedback is private information that can only be viewed by the admin.

**Main activities of system are:**

**Login:**

Admin need to login to the web application by the already given username and password. User needs to register into the system first to avail the services available. This can be done by entering basic information like name, age, phone number, email address etc. After successful registration user can login to their account. Both Admin and Users can logout from the application. User can view and update their basic details given from Profile.

**Make Payments:**

Users can make payments of their rent amount.

**Manage System:**

Admin can add new cars, update the details of cars such as brand, name, rent amount, etc., and delete cars. Admin and customers can view cars. Admin can change the home page information about the organisation so as to attract and give updated information to customers. An admin can manage users and drivers. Admin to view the report of the month and helps the organisation to attain more knowledge about the most preferred vehicles among customers. This section contains the vital details that help to understand the business's growth.

**Booking:**

Users can select their interesting cars to book and view the car details. Then select the number of days and kilometres to travel, and then calculate the rent amount. Then pay and book the vehicle. After booking vehicle the user can view their booking details. The user can also cancel the booking. The user may also hire a driver if they so want.

**feedback and queries:**

The proposed system provides facilities for users to send feedback and queries about the website, services and organisation. Users can view the replies to their queries. The Admin

has the option to view user feedback and queries and can send a response to received user queries.

## **2.3 Module Description**

### **2.3.1 Admin**

The admin is responsible for the overall management of this system. Admin needs to login to the application by the already given username and password. Main functions of admin include adding or updating information from home page. The system provides a section for admin to add, update or delete cars and its details like kilometres and category etc. Admin can view user feedback, enquiries and can reply to each from feedback and queries section. Admin can view available cars. The admin can view bookings made by customers and also can update their booking statuses. Rent information is immediately provided to the admin section when a customer chooses a certain car. They can also manage reservations and communicate with customers.

### **2.3.2 Customer**

Customers who wish to rent a car or a driver should use this module. The customer must first register for a car rental using a username and password. When people log in after registering, they can access information about the vehicle, the driver, etc. The buyer can choose a car and, if necessary, a driver from the list of alternatives. The client may get in touch with them for additional questions.

### **2.3.3 Driver**

Drivers must create an account with a username and password. They can include information about their driving history, licence, locations, etc. Users will be able to choose the best driver for them. The driver will be informed and provided contact information if a

specific customer selects them.

## **2.4 Feasibility Study**

A feasibility study is a preliminary investigation conducted to ascertain and record the viability of a project. The purpose and logical goal of this study is to identify the advantages and disadvantages of a current or proposed system, as well as the possibilities and risks that exist in the surrounding environment. A feasibility study considers numerous limitations that the system should be operated and developed within. In order to establish whether the identified user's needs can be met using current software and hardware technologies, an estimate is made in this study, including the resource needed for implementation and expenses at the earliest possible time. Additionally, this analysis will determine whether the suggested system can be created within the available financial limits and will be cost-effective from a commercial standpoint. The study's findings are considered while deciding whether to move forward with the project or not.

### **2.4.1 Operational Feasibility**

Operational feasibility examines how a project plan satisfies the requirements identified in requirements analysis phase of system development. It refers to the feasibility of the product to be operational. It mainly focuses on how the system satisfies the user needs. It helps in taking advantage of the opportunities and fulfills the requirements as identified during the development of the project. The new system or project can be used in day to day life which becomes more user friendly for the customer. This system is operationally feasible as it is very easy to operate. It helps the Shop owner to manage the operations in the shop. Also, the customers can easily view and book cars and drivers.

#### **2.4.2 Technical Feasibility**

Technical feasibility study deals with the hardware and software and technology which are required to accomplish the user requirements in the system within the allocated time and budget. The proposed system requires HTML, CSS, JavaScript and MySQL platform open source. Due to open source of languages it may not become complex to maintain and develop the system. The system can also be easily upgraded to the higher level with less effort and maintenance. This application can be easily used with their laptops or phones anywhere and also this application is very much user friendly. Hence the proposed work is technically feasible.

#### **2.4.3 Economic Feasibility**

Economic feasibility determines whether the proposed system is capable of generating profit for an organization. It involves costs incurred on the development team, estimated cost of hardware, feasibility study, and so on. This application was developed with the available resources. Since cost of input for the system is almost zero. The output of the website is always a profit for the user, and they see this as a service. This website doesn't cost any money from the users who are accessing it. Since the application can be accessed from any device with an internet connection, there is no need for specific hardware. Hence, it is economically feasible.

## **2.5 System Environment**

### **2.5.1 Developer Requirement**

#### **0.5.1.1 Hardware Requirement**

- Processor : Intel Core i3 or above
- RAM : 4 GB or above
- Storage : 500GB Hard disk

#### **0.5.1.2 Software Requirement**

- Operating system : Windows 8 or above
- Front end : HTML, CSS, BOOTSTRAP, JavaScript
- Back end : MySQL
- Languages : nodejs
- IDE : VS code
- Web browser : Google Chrome/Firefox

### **2.5.2 User Requirement**

- Any Smartphone/Computer/ Laptop
- Stable Internet Access

## **2.6 Actors and their Roles**

### **2.6.1 Admin**

The Admin is responsible for the overall management of this system.

- Login
- Add/Update information in Home page
- View/manage all cars and Drivers
- View bookings made by Users
- change booking status
- Add/Update/Delete the Cars
- View/Respond to user feedback and queries
- View all users/view profile
- View Reports

### **2.6.2 Customer**

Customers can avail various services and features provided by the system after login.

- User Registration and Login
- View/Update Profile
- View all Cars and Driver
- Make bookings
- Cancel bookings
- View Booking

- Send feedback/queries

### **2.6.3 Driver**

- Driver Registration and Login
- View/Update Profile
- View Booking Details
- Upload Documents

# **Chapter 3**

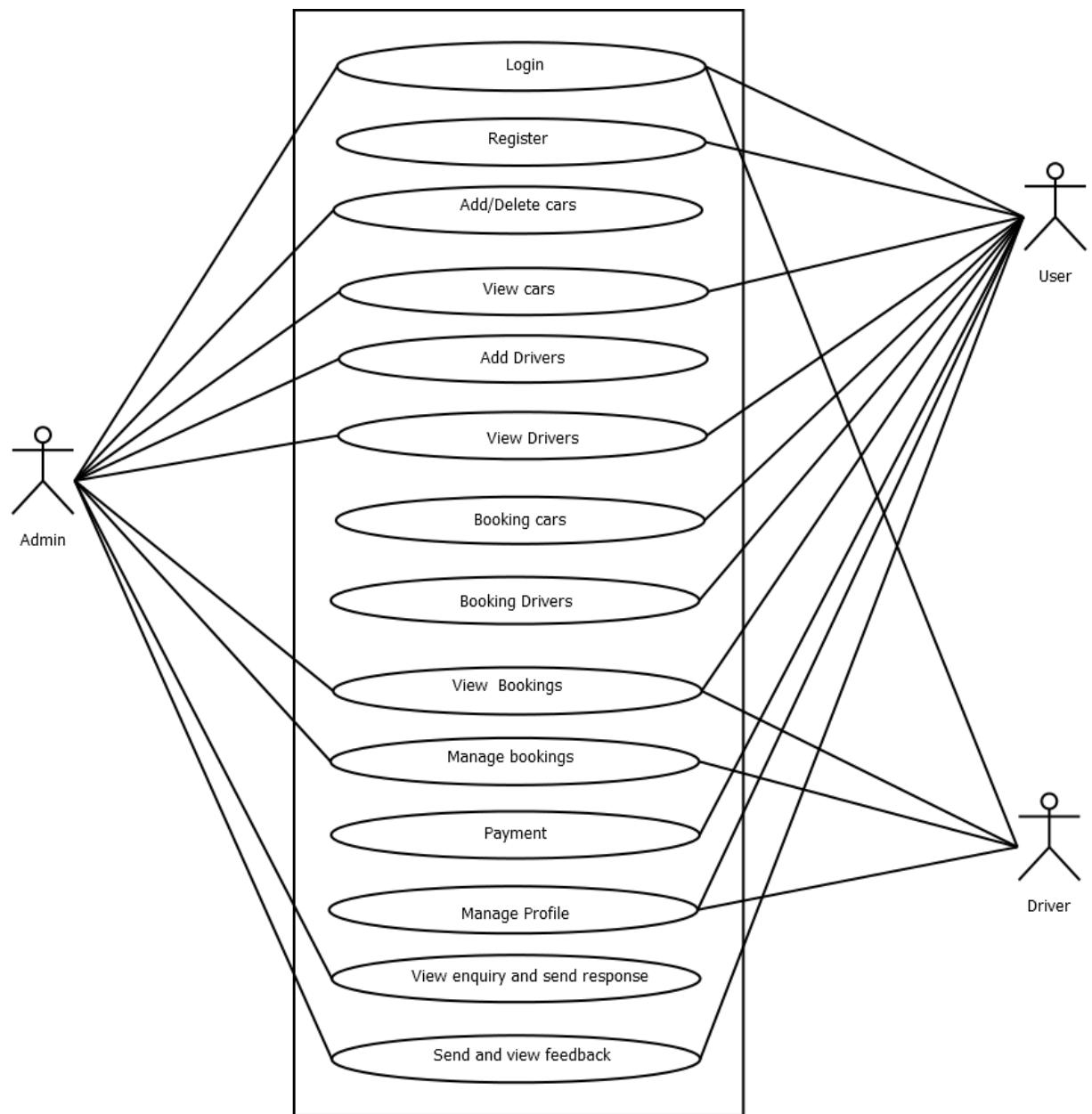
## **METHODOLOGY**

### **3.1 Introduction**

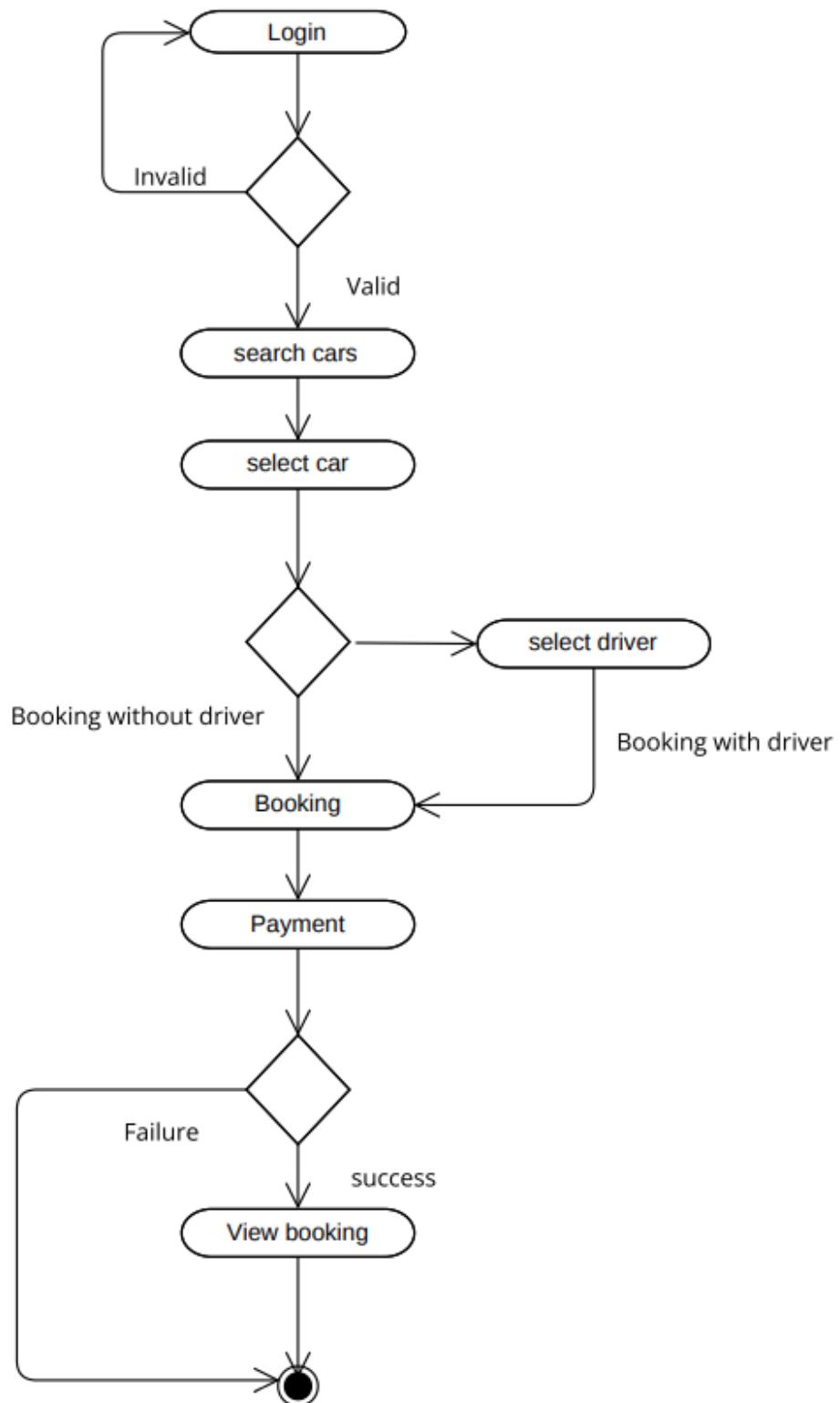
This project follows Agile methodology. Agile software development comprises various approaches to software development under which requirements and solutions evolve through the collaborative effort of self organizing and cross-sectional teams and their customers/end users. It advocates adaptive planning, evolutionary development, early delivery and continuous improvement and it encourage rapid and flexible response to change.

## 3.2 UML Diagrams

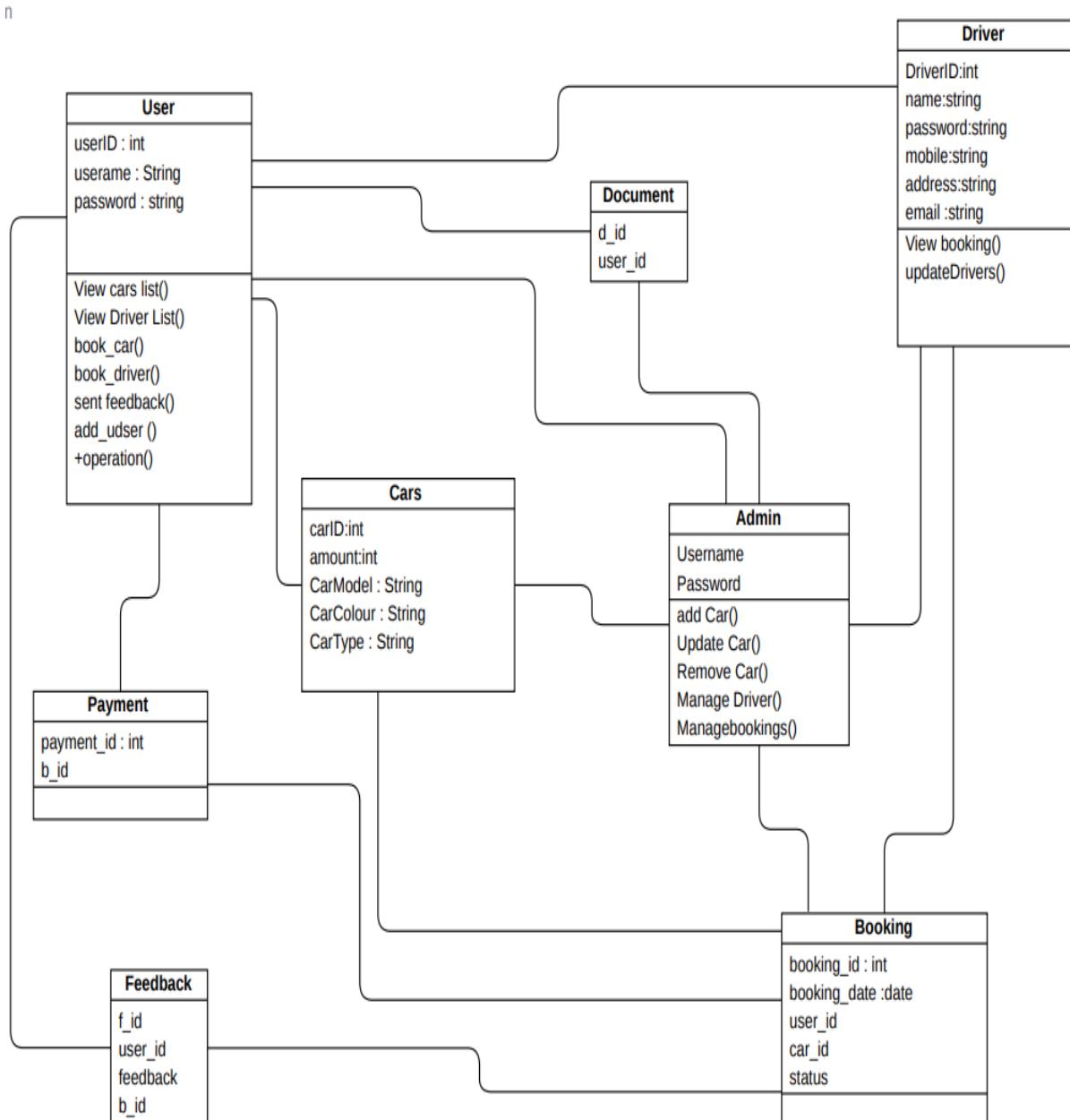
### 3.2.1 Use case Diagram



### 3.2.2 Activity Diagram



### 3.2.3 Class Diagram



### 3.3 User Story

User story ID	As a <Type of Users >	I want to <Perform some task >	So that I can <Achieve some goal >
1	Admin, User, Driver	Home page	Home page for all users
2	Admin	Login	Admin access the system.
3	Admin	Add car	Admin can Add Details of cars .
4	Admin	Add Drivers	Admin can add new drivers .
5	Admin	Update car	Admin can update Details of cars .
6	User	Login,Register	user access the system.
7	User	Update profile	Update user details.
8	User	Update documents	Upload document.
9	Admin	Get user	View all users and details.
10	Driver	login	Driver access the system .
11	Driver	Update details	Update details of Driver.
12	Driver	Upload documents	Upload documents.
13	User	List Cars	View List of cars
14	User	Book Cars	Book cars from the list.
15	User	List Driver	View List of Drivers.
16	User	Book Drivers	select Driver from the list
17	Driver	Receive booking	receive booking details
18	Admin	Booking Management	Admin can Manage Bookings.
19	User	Feedback & enquiry	public can send queries and users leave feedback.
20	Admin	View & respond	Admin respond to enquiry & view feedback.

### 3.4 Product Backlog

User Story ID	Priority (Low,High, Medium)	Size	Sprint	Status (Planned, Progressed, Completed)	Release Date	Release Goal
1	MEDIUM	4	1	Completed	04-09-2022	Home page for all users
2	MEDIUM	7		Completed	08-09-2022	Admin access the system
3	HIGH	4		Completed	10-09-2022	Admin can add new cars
4	MEDIUM	5		Completed	12-09-2022	Admin can add new drivers
5	MEDIUM	7		Completed	16-09-2022	Admin can update details of cars
6	MEDIUM	8		Completed	21-09-2022	User can register and login
7	LOW	4	2	Completed	23-09-2022	User can do profile management
8	MEDIUM	6		Completed	25-09-2022	User update documents
9	MEDIUM	12		Completed	30-09-2022	View all users and details

User Story ID	Priority (Low,High, Medium)	Size	Sprint	Status (Planned, Progressed, Com- pleted)	Release Date	Release Goal
10	MEDIUM	5	2	Completed	02-10-2022	Driver access the system
11	MEDIUM	8		Completed	06-10-2022	Update details of Driver
12	MEDIUM	4		Completed	08-10-2022	Upload documents
13	MEDIUM	6	3	Completed	10-10-2022	View List of cars
14	HIGH	7		Completed	15-10-2022	Book car from the list
15	HIGH	6		Completed	18-10-2022	View list of drivers
16	HIGH	5		Completed	21-10-2022	select Driver from the list
17	HIGH	5	4	Completed	24-10-2022	Receive booking details
18	HIGH	5		Completed	26-10-2022	Admin can manage bookings
19	MEDIUM	5		Completed	29-10-2022	public can send queries and users leave feedback
20	MEDIUM	5		Completed	02-11-2022	admin respond to enquiry & view feedback

### 3.5 Project plan

User story ID	Task name	Start date	End date	Days	Status Goal
1	Homepage for all users	02/09/2022	04/09/2022	2	Completed
2	Login of admin	04-09-2022	08/09/2022	3	Completed
3	Add cars	08/09/2022	10/09/2022	2	Completed
4	Add drivers	10/09/2022	12/09/2022	4	Completed
5	Admin can update details of cars	12/09/2022	16/09/2022	4	Completed
6	User register, login	16/09/2022	21/09/2022	4	Completed
7	Update Profile details	21/09/2022	23/09/2022	2	Completed
8	Upload Documents	23/09/2022	25/09/2022	2	Completed
9	Get user details	25/09/2022	30/09/2022	2	Completed
10	Driver login	30/09/2022	02/10/2022	2	Completed
11	Update profile	02/10/2022	06/10/2022	4	Completed

User story ID	Task name	Start date	End date	Days	Status Goal
12	Upload documents	06/10/2022	08/10/2022	2	Completed
13	List cars	08/10/2022	10/10/2022	3	Completed
14	Book cars	10/10/2022	15/10/2022	4	Completed
15	List driver	15/10/2022	18/10/2022	3	Completed
16	Select driver	18/10/2022	21/10/2022	3	Completed
17	Receive booking details	21/10/2022	24/10/2022	3	Completed
18	Booking management	24/10/2022	26/10/2022	3	Completed
19	Send feed-back	26/10/2022	29/10/2022	3	Completed
20	View and Respond to feed back	29/10/2022	02/11/2022	4	Completed

## 3.6 DATABASE DESIGN

### 3.6.1 Registration table

No.	Name	Type	Constraints	Description
1	U_id	INT	PRIMARY KEY	Registration id of user
2	Fullname	VARCHAR(20)	NOT NULL	Name of user
3	Gender	VARCHAR(6)	NOT NULL	Gender of user
4	Dob	date	NOT NULL	Date of birth of user
5	Phno	Int(12)	NOT NULL	Phone number of user
6	Address	VARCHAR(25)	NOT NULL	Location of user
7	l_id	INT	FOREIGN KEY	Login id
8	Image	BLOB	NOT NULL	Image of the user

Table 3.1: Registration Table

### 3.6.2 login Table

No.	Name	Type	Constraints	Description
1	l_id	INT	PRIMARY KEY	Login id
2	Email	VARCHAR(30)	NOT NULL	Email id of user
3	Password	VARCHAR(100)	NOT NULL	Password of user
4	Usertype	VARCHAR(10)	NOT NULL	Type of user

Table 3.2: Login table

### 3.6.3 Car Table

No.	Name	Type	Constraints	Description
1	car_id	INT	PRIMARY KEY	id of car
2	Brand	VARCHAR(20)	NOT NULL	Brand of the car
3	Model	VARCHAR(10)	NOT NULL	model of car
4	Amount	INTEGER	NOT NULL	Rent amount
5	Fuel_type	VARCHAR(10)	NOT NULL	fuel type of car
6	Reg_no	VARCHAR(10)	NOT NULL	Registration number of car
7	Kms	INT	NOT NULL	Total kilometers runs
8	Status	VARCHAR(10)	NOT NULL	Status of car
9	Segment	VARCHAR(30)	NOT NULL	Segment of car
10	Transmission	VARCHAR(30)	NOT NULL	Transmission of car
11	No_of_seat	INT	NOT NULL	Number of seats in the car
12	Image	BLOB	NOT NULL	Image of the car

Table 3.3: Car table

### 3.6.4 Driver Table

No.	Name	Type	Constraints	Description
1	Driver_id	INT	PRIMARY KEY	id of Driver
2	Name	VARCHAR(20)	NOT NULL	Name of Driver
3	Address	VARCHAR(50)	NOT NULL	address of Driver
4	Gender	VARCHAR(6)	NOT NULL	gender of Driver
5	Experience	VARCHAR(10)	NOT NULL	Years of experience
6	Phno	INT(12)	NOT NULL	Phone number of Driver
7	DOB	DATE	NOT NULL	DOB of Driver
8	Status	VARCHAR(10)	NOT NULL	Status of Driver
9	L_id	INT	FOREIGN KEY	Login id

Table 3.4: Driver table

### 3.6.5 Booking Table

No.	Name	Type	Constraints	Description
1	Booking_id	INT	PRIMARY KEY	id of booking
2	Pic_up_date	DATE	NOT NULL	pic up date
3	Drop_date	DATE	NOT NULL	drop date
4	Car_id	INT	FOREIGN KEY	Car id
5	U_id	INT	FOREIGN KEY	user id
6	Time	TIMESTAMP	NOT NULL	date time of booking
7	B_status	VARCHAR(10)	NOT NULL	status of booking
8	D_id	INT	FOREIGN KEY	Driver id

Table 3.5: booking table

### 3.6.6 Payment

No.	Name	Type	Constraints	Description
1	Pid	INT	PRIMARY KEY	Id of payment
2	Bid	INT	FOREIGN KEY	Booking id
3	Uid	INT	FOREIGN KEY	Id of user
4	Datetime	TIMESTAMP	NOT NULL	Date and time of payment
5	Amount	INT	NOT NULL	Amount to be paid
6	P_status	INT	NOT NULL	Payment status

Table 3.6: Payment table

### 3.6.7 Enquiry table

No.	Name	Type	Constraints	Description
1	Eid	INT	PRIMARY KEY	Id of enquiry
2	Email	VARCHAR(45)	NOT NULL	Email Id of user
3	Message	VARCHAR(200)	NOT NULL	message
4	Datetime	TIMESTAMP	NOT NULL	Date and time of enquiry
5	Response	VARCHAR(200)	NULL	Reply for query

Table 3.7: Enquiry table

### 3.6.8 Document table

No.	Name	Type	Constraints	Description
1	Doc_id	INT	PRIMARY KEY	Document id
2	Doc_type	VARCHAR(20)	NOT NULL	Document type
3	Doc_img	BLOB	NOT NULL	Document image
4	U_id	INT	FOREIGN KEY	User id

Table 3.8: Document table

### 3.6.9 Feedback table

No.	Name	Type	Constraints	Description
1	Feed_id	INT	PRIMARY KEY	feedback id
2	Feedback	VARCHAR(20)	NOT NULL	feedback
3	B_id	INT	FOREIGN KEY	Booking id

Table 3.9: Feedback table

### 3.7 FORM DESIGN

#### 3.7.1 Login page

This is the login page for all the users of this system.

The screenshot shows a window titled "login" with a standard window control bar at the top right. The main content area contains the word "Login" in a large, bold, blue font. Below it is the label "Email Id" followed by an empty input field. Underneath is the label "Password" followed by another empty input field. At the bottom left, there is a link "create new Account ?" in blue text. On the far right, there is a prominent blue button with the word "Login" in white. The entire interface is set against a light gray background.

Figure 3.1: Login page

### 3.7.2 Registration page

Registration page for the users of this system.

The screenshot shows a registration form titled "Sign Up". The form includes fields for Fullname, Email, Gender, Phone Number, Location, Date of birth, select document type, Choose file, profile photo, Password, and a "Submit" button. It also features a link for existing users.

Field	Type	Description
Fullname	Text input	Input field for user's full name.
Email	Text input	Input field for user's email address.
Gender	Text input	Input field for user's gender.
Phone Number	Text input	Input field for user's phone number.
Location	Text input	Input field for user's location.
Date of birth	Date input	Input field for user's date of birth, accompanied by a calendar icon.
select document type	Text input	Input field for selecting document type, with up and down arrows for selection.
Choose file	Text input	Input field for choosing a file, with a "Choose file" button.
profile photo	Image input	Input field for profile photo, showing a placeholder "No File Chosen".
Password	Text input	Input field for user's password.
Submit		A large blue "Submit" button.
already have an Account ?		A link for existing users.

Figure 3.2: Registration page

### 3.7.3 Admin page

Admin page of this system.

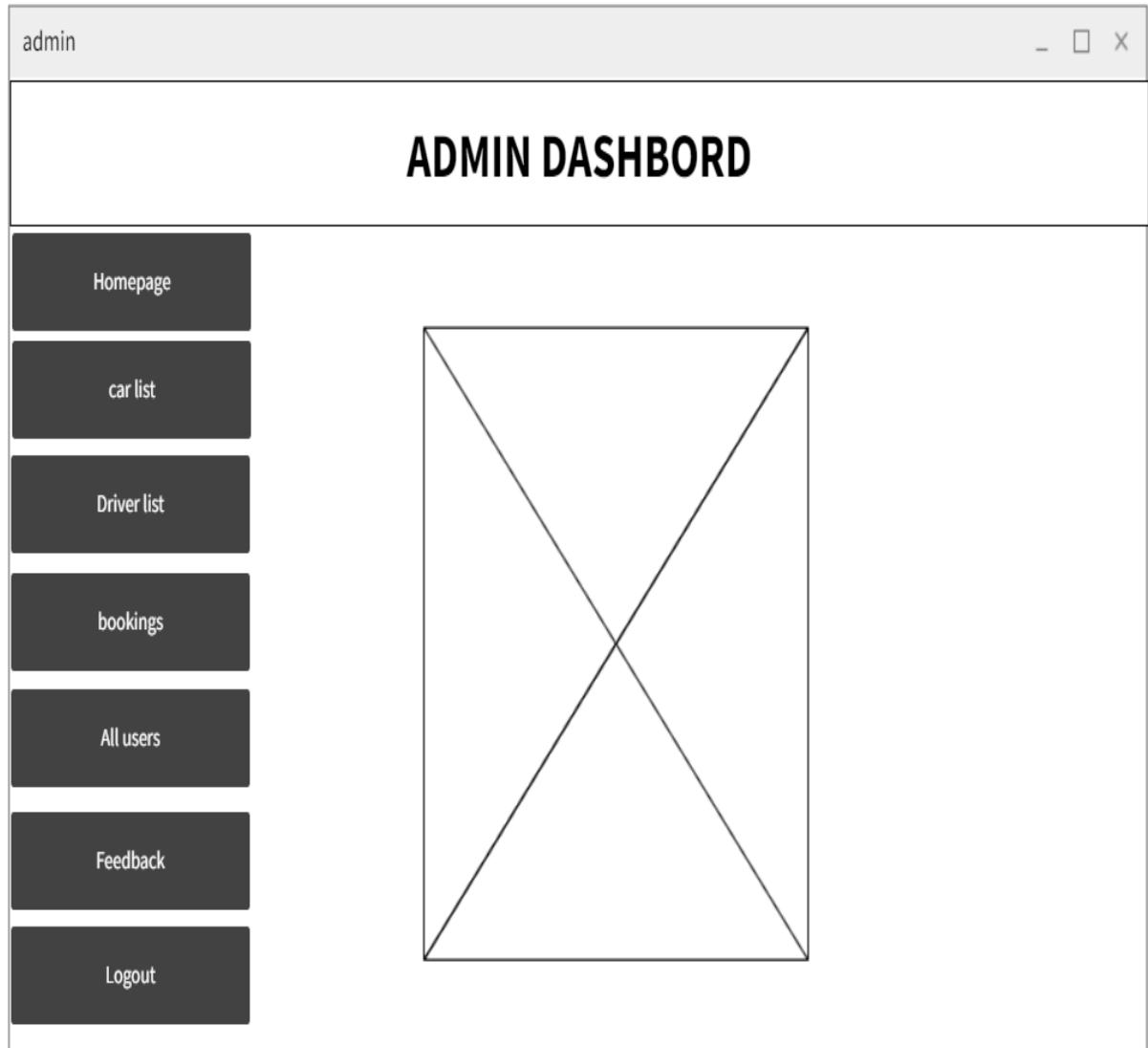


Figure 3.3: Admin page

### 3.7.4 Car list page

This page is for the view and manage list of cars by admin.

The screenshot shows a web application window titled "admin". The main content area is titled "CARS". On the left, there is a vertical sidebar with the following menu items: "Homepage", "car list" (which is currently selected), "Driver list", "bookings", "All users", "Feedback", and "Logout". To the right of the sidebar is a table with the following columns: slno, brand, model, amount, fuel, kms, type, status, and an empty column. The first three rows of the table have a light gray background, while the last two rows have a white background. Each row contains a "status" button with a dropdown arrow, an "Edit" button, and a "Delete" button. A search bar with a magnifying glass icon is located at the top right of the main content area.

slno	brand	model	amount	fuel	kms	type	status	
							<b>status</b> ▾	<b>Edit</b> <b>Delete</b>
							<b>status</b> ▾	<b>Edit</b> <b>Delete</b>
							<b>status</b> ▾	<b>Edit</b> <b>Delete</b>
							<b>status</b> ▾	<b>Edit</b> <b>Delete</b>

Figure 3.4: Car list page

### 3.7.5 Driver list page

This page is for the view and manage list of Driver by admin.

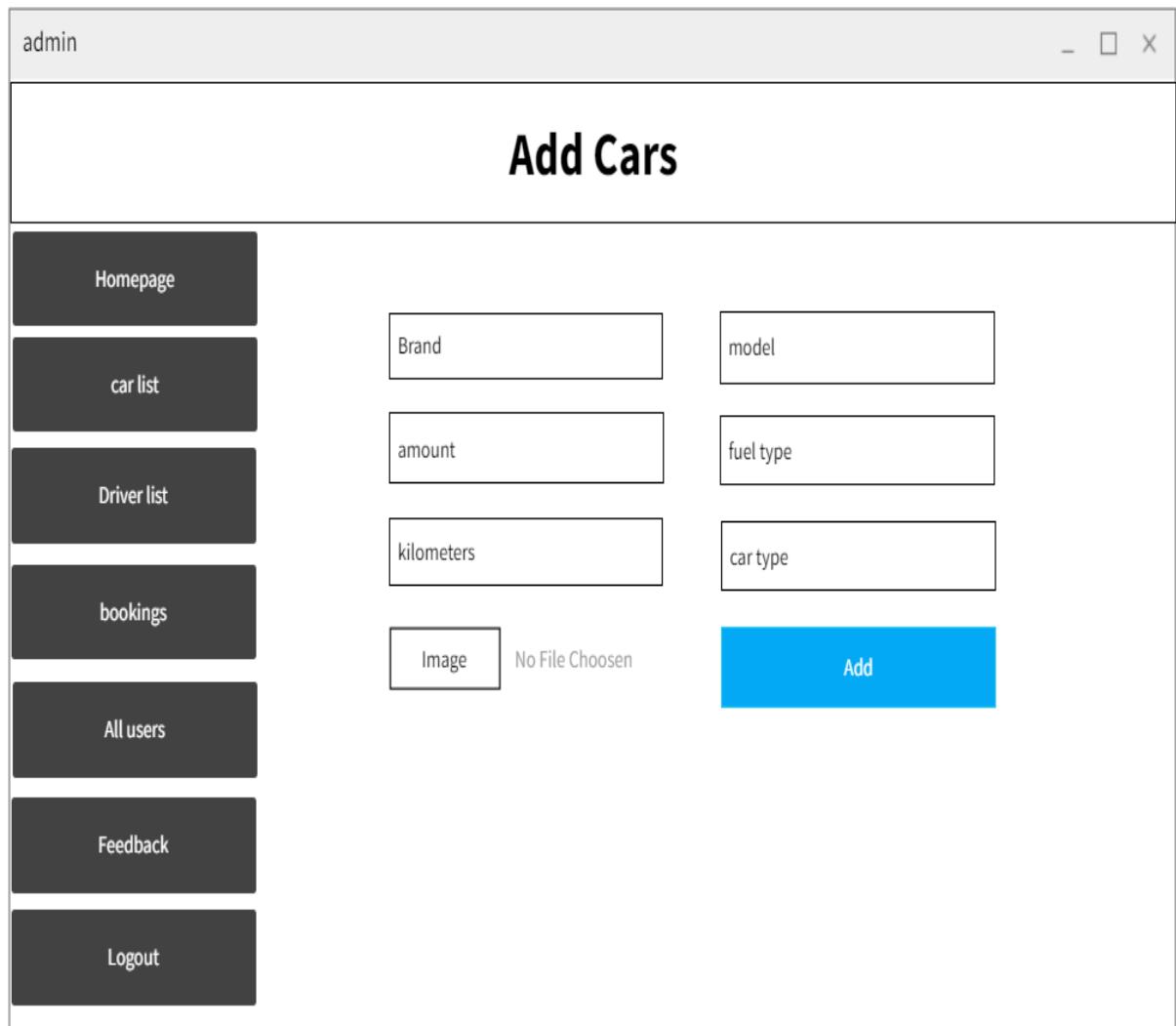
The screenshot shows a web application interface for managing drivers. At the top left is the word "admin". On the right are standard window control buttons (-, □, X). The main title "Drivers" is centered at the top. Below the title is a navigation bar with several dark grey buttons: "Homepage", "car list", "Driver list" (which is highlighted in white), "bookings", "All users", "Feedback", and "Logout". To the right of the navigation bar is a search bar containing a magnifying glass icon. Further to the right are two buttons: "Add Driver" and a large search bar. The main content area features a table with the following columns: slno, Name, email, phone, gender, exp, charge, status, and an empty column. There are three rows of data, each with a "status" button, an "Edit" button, and a "Delete" button. The first row's status is "status ▾", the second is "status ▾", and the third is "status ▾". The table has a light grey background and dark grey header rows.

slno	Name	email	phone	gender	exp	charge	status	
							status ▾	<button>Edit</button> <button>Delete</button>
							status ▾	<button>Edit</button> <button>Delete</button>
							status ▾	<button>Edit</button> <button>Delete</button>

Figure 3.5: Driver list page

### 3.7.6 Add Car page

This page is for the adding cars to the list by admin.

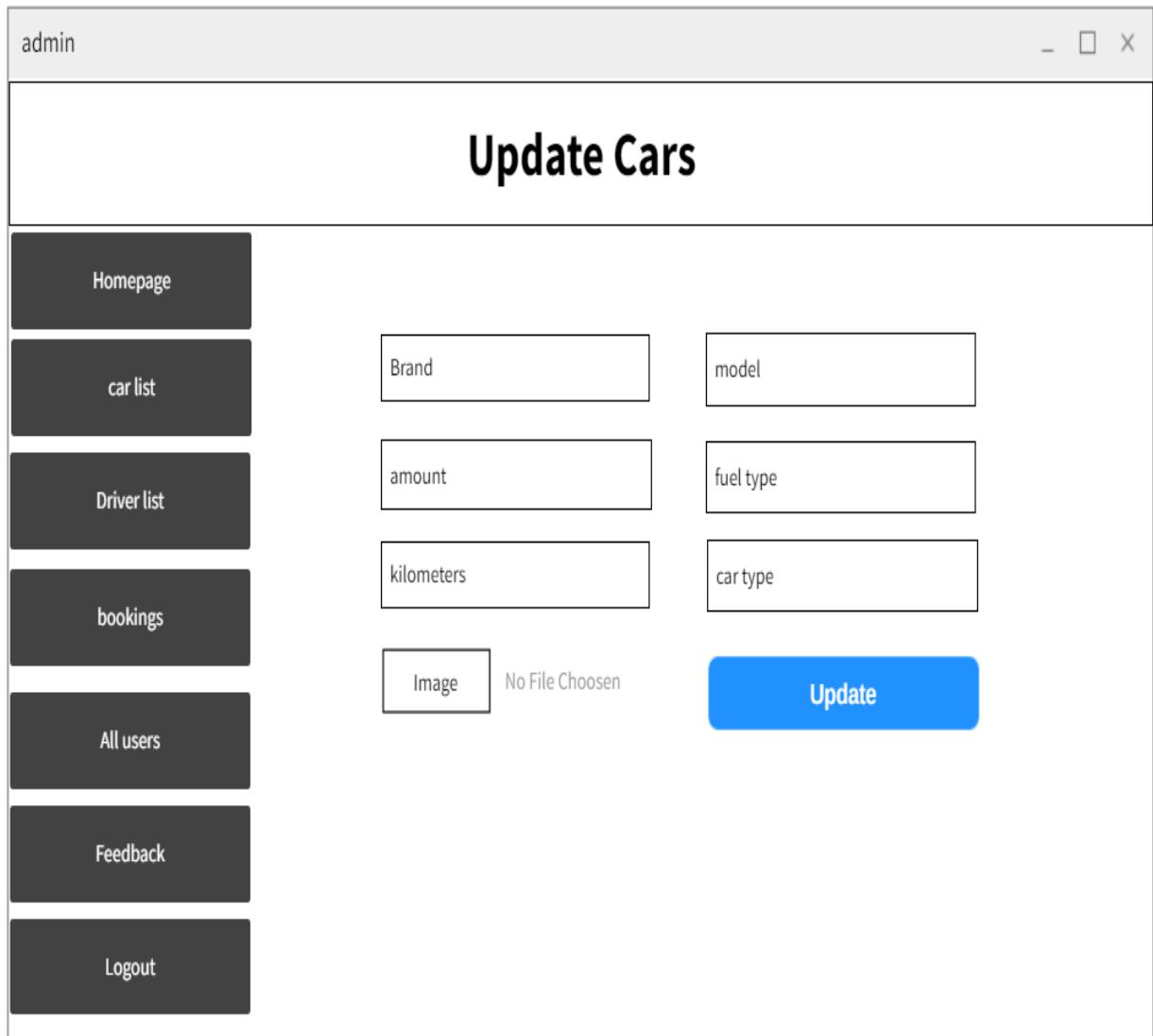


The screenshot shows a web application interface for an administrator. At the top left is a header bar with the word "admin". On the right side of the header are three small icons: a minus sign, a square, and an X. Below the header is a main title "Add Cars" centered at the top of the page. To the left of the main content area is a vertical sidebar containing seven dark grey rectangular buttons, each with white text: "Homepage", "car list", "Driver list", "bookings", "All users", "Feedback", and "Logout". The main content area contains several input fields and a button. There are two rows of two input fields each. The first row has "Brand" and "model" inputs. The second row has "amount" and "fuel type" inputs. Below these is another row with "kilometers" and "car type" inputs. To the left of the "kilometers" input is a small "Image" button. To the right of the "car type" input is a large blue button with the word "Add" in white. Below the "Image" button, the text "No File Chosen" is displayed.

Figure 3.6: Add car page

### 3.7.7 Update car page

This page is for update car details by admin.



The screenshot shows a web application interface for an administrator. At the top left is the word "admin". On the right side of the header are three small icons: a minus sign, a square, and an X. The main title "Update Cars" is centered at the top in a large, bold, black font. To the left of the title is a vertical sidebar containing several dark grey rectangular buttons with white text: "Homepage", "car list", "Driver list", "bookings", "All users", "Feedback", and "Logout". To the right of the sidebar are six input fields arranged in two columns of three. The first column contains "Brand", "amount", and "kilometers". The second column contains "model", "fuel type", and "cartype". Below these fields is a file input field labeled "Image" with the placeholder text "No File Chosen". To the right of the file input is a blue rectangular button with the word "Update" in white. The entire interface is contained within a light grey frame.

Figure 3.7: Update car page

### 3.7.8 Add driver page

This page is for add new drivers to the list by admin.

The screenshot shows a user interface for adding drivers. On the left, there is a vertical sidebar with dark grey buttons containing white text:

- Homepage
- car list
- Driver list
- bookings
- All users
- Feedback
- Logout

The main content area is titled "Add Drivers" in bold black text. It contains several input fields arranged in a grid-like structure:

Fullname	Email
Gender	Phone Number
Experience	Date of birth
Charge	Password
Address	

At the bottom of the main area is a large blue button with the word "Add" in white text.

Figure 3.8: Add driver page

### 3.7.9 View all users page

This page is for view all users.

The screenshot shows a web application interface titled "All Users". At the top left is the user name "admin". On the right are standard window control buttons (-, □, X). The main title "All Users" is centered at the top. Below the title is a search bar with a magnifying glass icon. To the left of the search bar is a vertical navigation menu with the following items: "Homepage", "car list", "Driver list", "bookings", "All users" (which is highlighted in blue), "Feedback", and "Logout". To the right of the navigation menu is a table with the following columns: slno, Name, email, phone, gender, Location, and three "View" buttons. The table has 3 rows.

slno	Name	email	phone	gender	Location	
						<button>View</button>
						<button>View</button>
						<button>View</button>

Figure 3.9: View all users page

### 3.7.10 View user profile page

This page is for viewing user profiles.

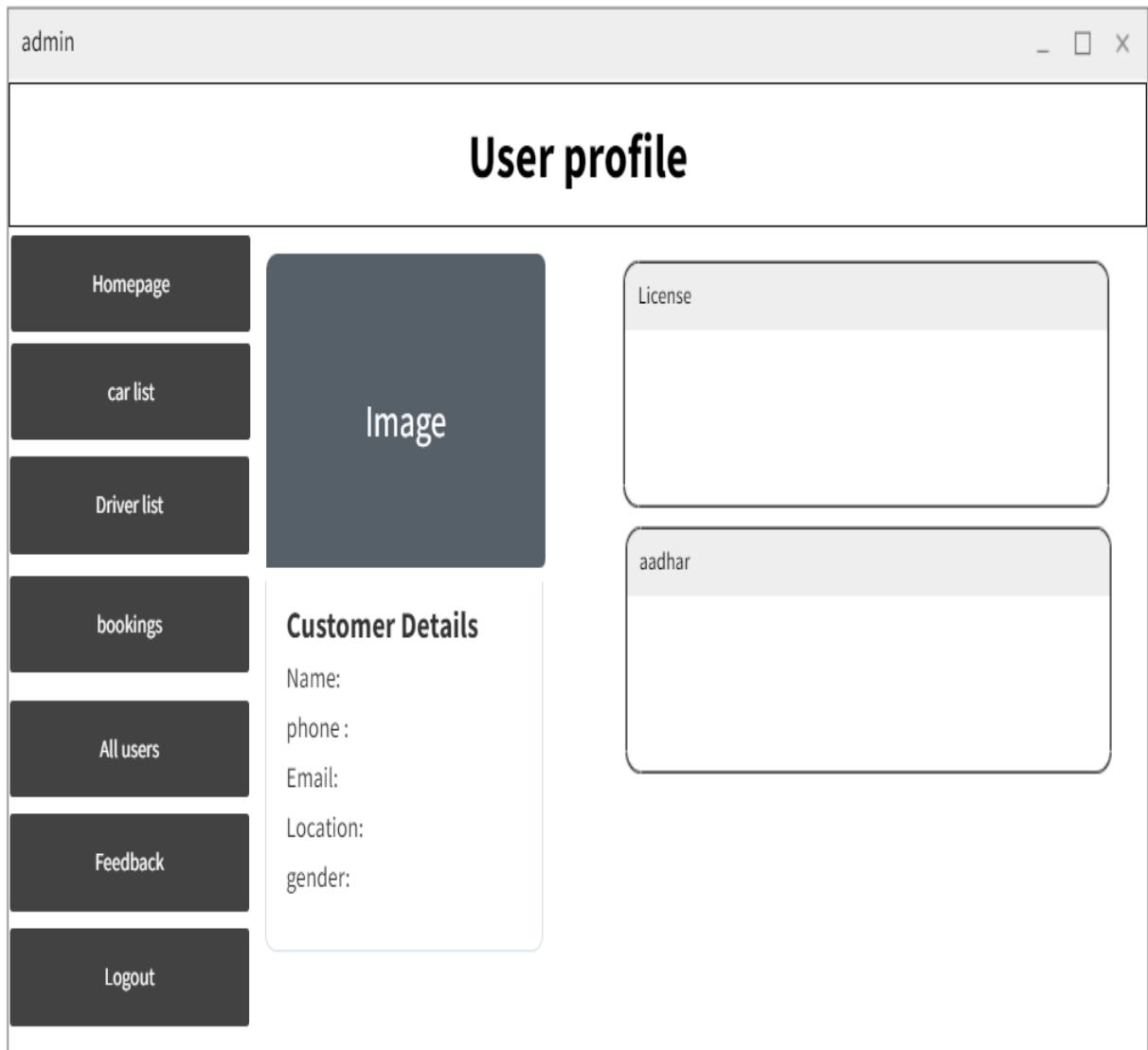


Figure 3.10: View user profile page

### 3.7.11 View bookings page

This page is for viewing bookings.

The screenshot shows a web application window titled "admin". The main title of the page is "Bookings". On the left side, there is a vertical sidebar with dark grey buttons containing white text: "Homepage", "car list", "Driver list", "bookings" (which is highlighted in blue), "All users", "Feedback", and "Logout". To the right of the sidebar is a search bar with a magnifying glass icon. Below the search bar is a table with a light grey header row containing columns: "Booking id", "Date", "Time", "Amount", "Payment status", "status", and an empty column. There are three rows of data in the table, each with a "status" button and a "View" button. The first row's "status" button is blue with white text, while the other two are black with white text. The second row's "View" button is blue with white text, while the others are black with white text. The third row's "status" button is blue with white text, while the others are black with white text.

Figure 3.11: View bookings page

### 3.7.12 View booking details page

This page is for viewing booking details for a specific booking.

The screenshot shows a web application interface for an administrator. At the top left is the user name "admin". On the right are standard window control buttons (-, □, X). The main title "Booking Details" is centered at the top. To the left is a vertical sidebar with dark grey buttons containing white text: "Homepage", "car list", "Driver list", "bookings", "All users", "Feedback", and "Logout". The main content area has a light grey background. It features three large dark grey rectangular boxes, each containing the word "Image". Below these are three columns of text labels: "Customer Details", "Car Details", and "Driver Details". Under "Customer Details", the labels are "Name:", "phone:", "Email:", and "Location:". Under "Car Details", the labels are "Model:", "Brand:", "fuel:", and "seat:". Under "Driver Details", the labels are "Name:", "phone:", "Email:", and "Location:". To the right of the "Driver Details" column is a vertical box labeled "Rent Details" containing the following text: "pickup date:", "Dropoff date:", "Days:", "status:", and "payment status:". The entire interface is enclosed in a light grey border.

Figure 3.12: View booking details page

### 3.7.13 View feedback's page

This page is for viewing feedback's.

The screenshot shows a web application interface titled "Feedback's". On the left, a sidebar contains links: "Homepage", "car list", "Driver list", "bookings", "All users", "Feedback", and "Logout". The main content area features a search bar with a magnifying glass icon. Below the search bar is a table with five columns: "sl.no", "Date", "Message", "Sender", and "Response". There are three rows of data in the table, each with a blue "send response" button. The "Feedback" link in the sidebar is highlighted.

sl.no	Date	Message	Sender	Response
				<b>send response</b>
				<b>send response</b>
				<b>send response</b>

Figure 3.13: View feedback's page

### 3.7.14 send response page

This page is for sending response to feedback's and queries.

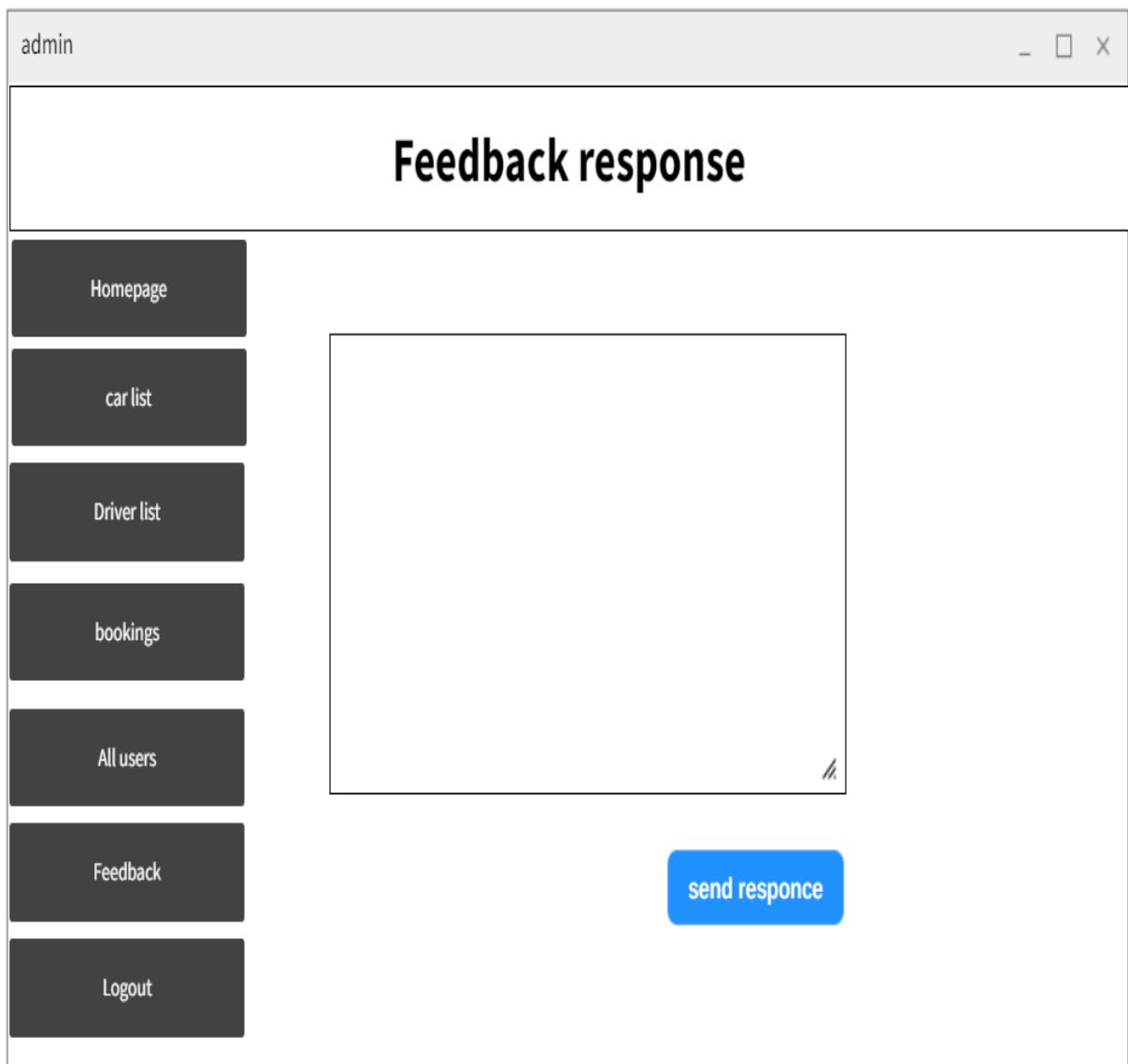


Figure 3.14: Sending response page

### 3.7.15 User page

This page is the user page of the system.

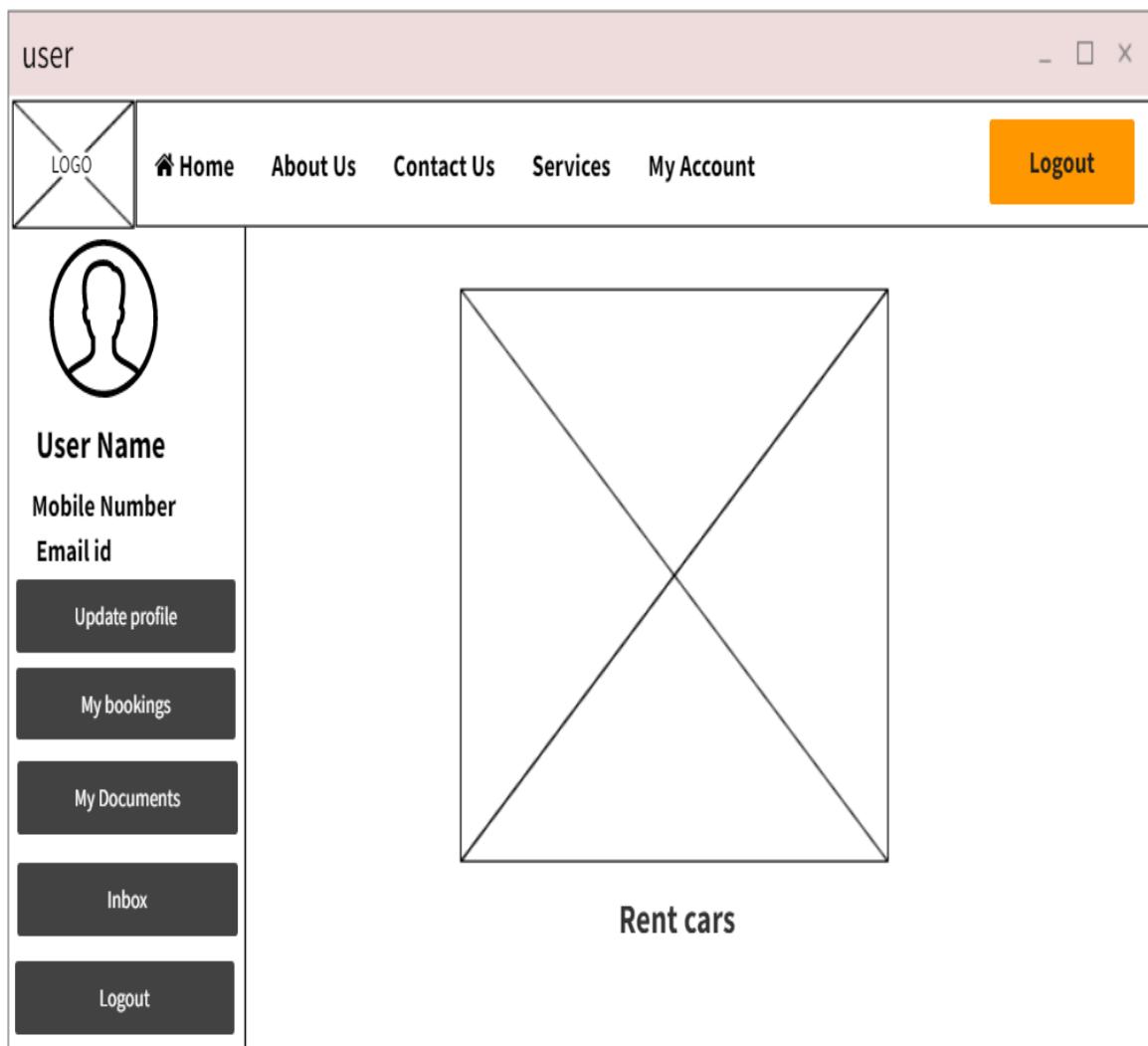


Figure 3.15: User dashboard

### 3.7.16 View car list page

This page is for viewing cars as a user.

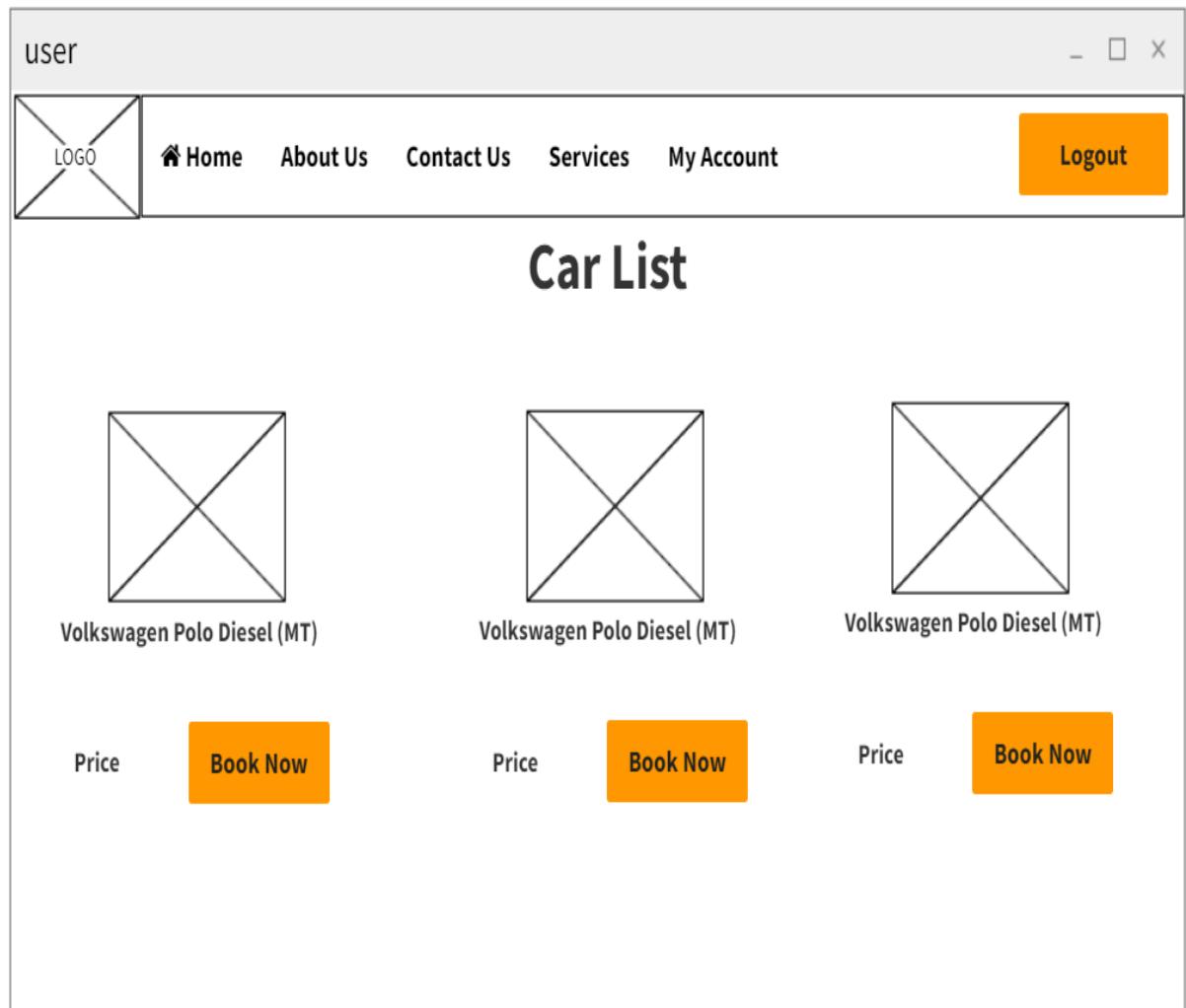


Figure 3.16: Car list page

### 3.7.17 Payment page

This page is for selecting cars to rent and pay token amount.

The screenshot shows a user interface for a car rental application. At the top, there is a header bar with the word "user" on the left and standard window control buttons (-, □, X) on the right. Below the header is a navigation bar containing a logo (a square with an 'X' inside), links for Home, About Us, Contact Us, Services, My Account, and a prominent orange Logout button. The main content area is divided into two columns. The left column contains a placeholder image of a car and the text "Volkswagen Polo Diesel (MT)" below it, with "Price/day" written above the image. The right column displays booking details: "pickup Date" (12 May 2016) and "dropoff Date" (12 May 2016), separated by a "To" label. It also shows the "Total Amount : 1600". A toggle switch labeled "Do you want a Driver ?" is present. A message "You can pay a token amount to book" is displayed, followed by "Token amount: 500" and a green "pay & Book" button.

Figure 3.17: Payment page

### 3.7.18 Select driver page

This page is for selecting drivers to rent.

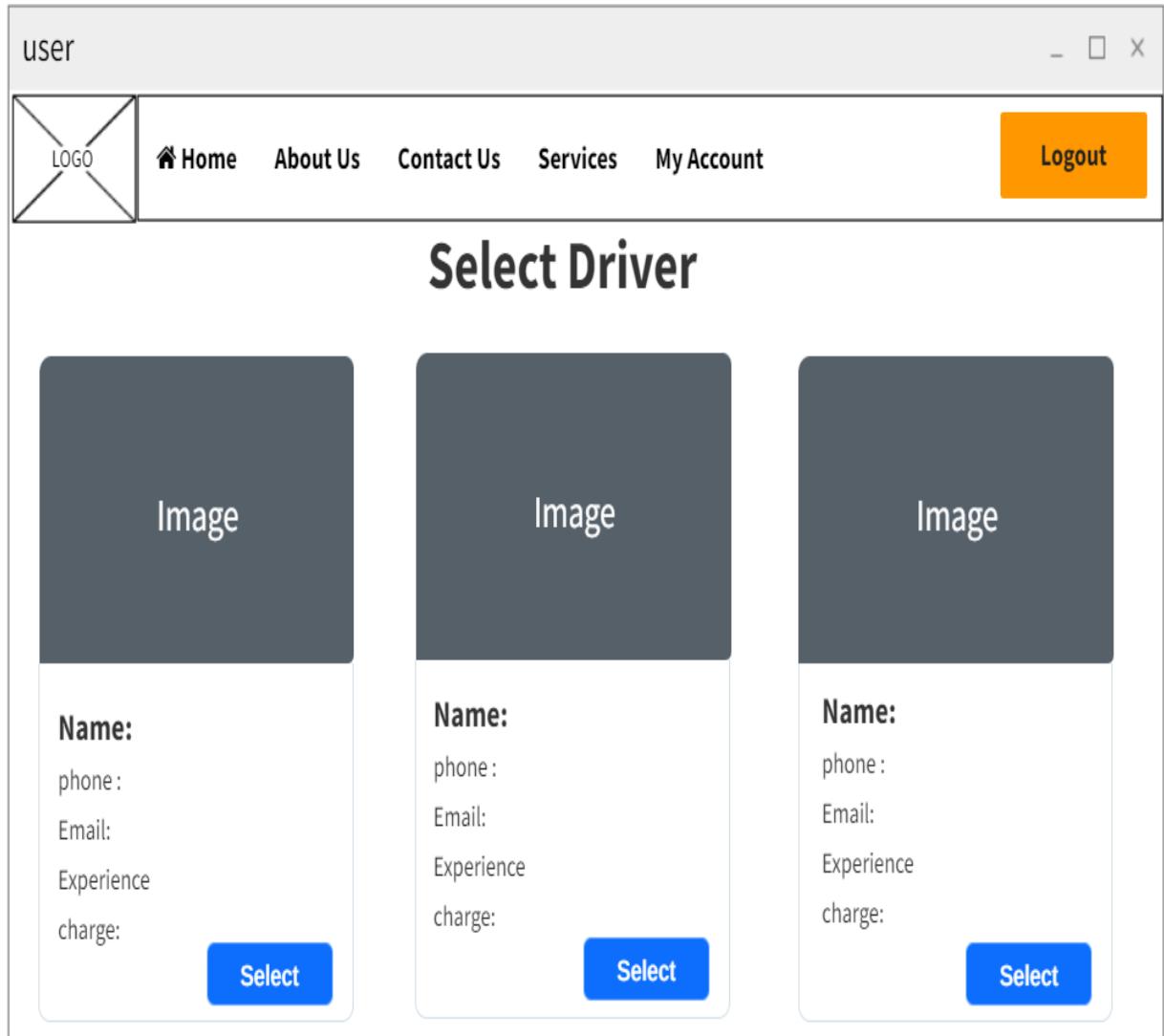


Figure 3.18: Select drivers page

### 3.7.19 View bookings page

This page is for viewing bookings of user.

The screenshot shows a web application interface for a user. At the top, there is a header bar with the word "user" on the left and standard window control buttons (-, □, X) on the right. Below the header is a navigation menu with a logo icon containing a stylized "X", followed by links for Home, About Us, Contact Us, Services, and My Account. A prominent orange "Logout" button is located on the far right of the menu. On the left side of the main content area, there is a vertical sidebar containing profile information: a circular profile picture with a silhouette of a person's head, and text fields for User Name, Mobile Number, and Email id. Below these fields are five dark grey rectangular buttons labeled "Update profile", "My bookings", "My Documents", "Inbox", and "Logout". The main content area is titled "My Bookings" and features a table with seven columns: Booking id, Date, Time, Amount, Payment status, status, and an empty column. Each row in the table contains a light grey background and a blue "View" button in the last column. The table has three visible rows.

Booking id	Date	Time	Amount	Payment status	status	
						<button>View</button>
						<button>view</button>
						<button>View</button>

Figure 3.19: View booking page

### 3.7.20 View booking details page

This page is for viewing bookings details of user.

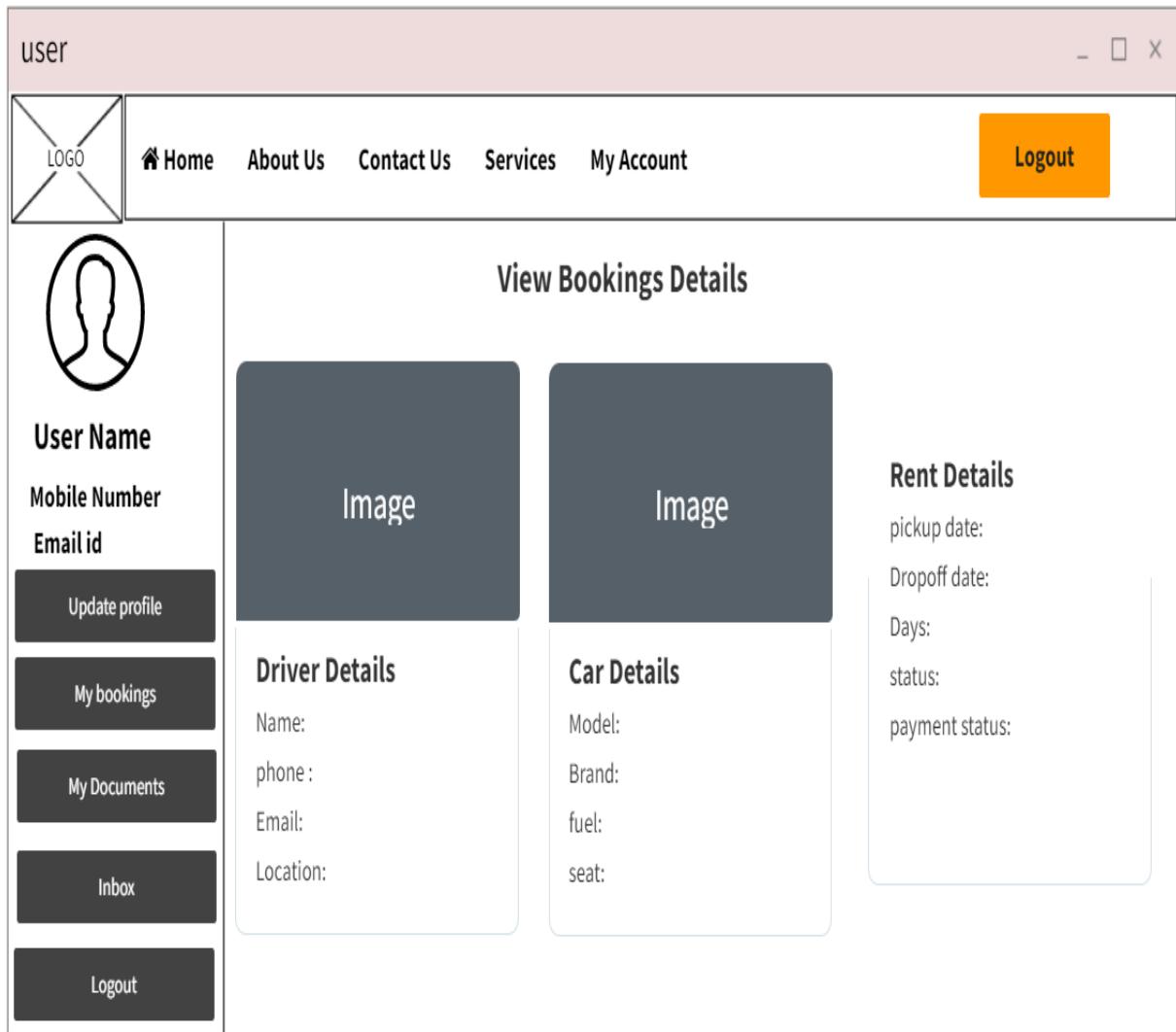


Figure 3.20: Booking details page

### 3.7.21 View documents page

This page is for viewing documents of user.

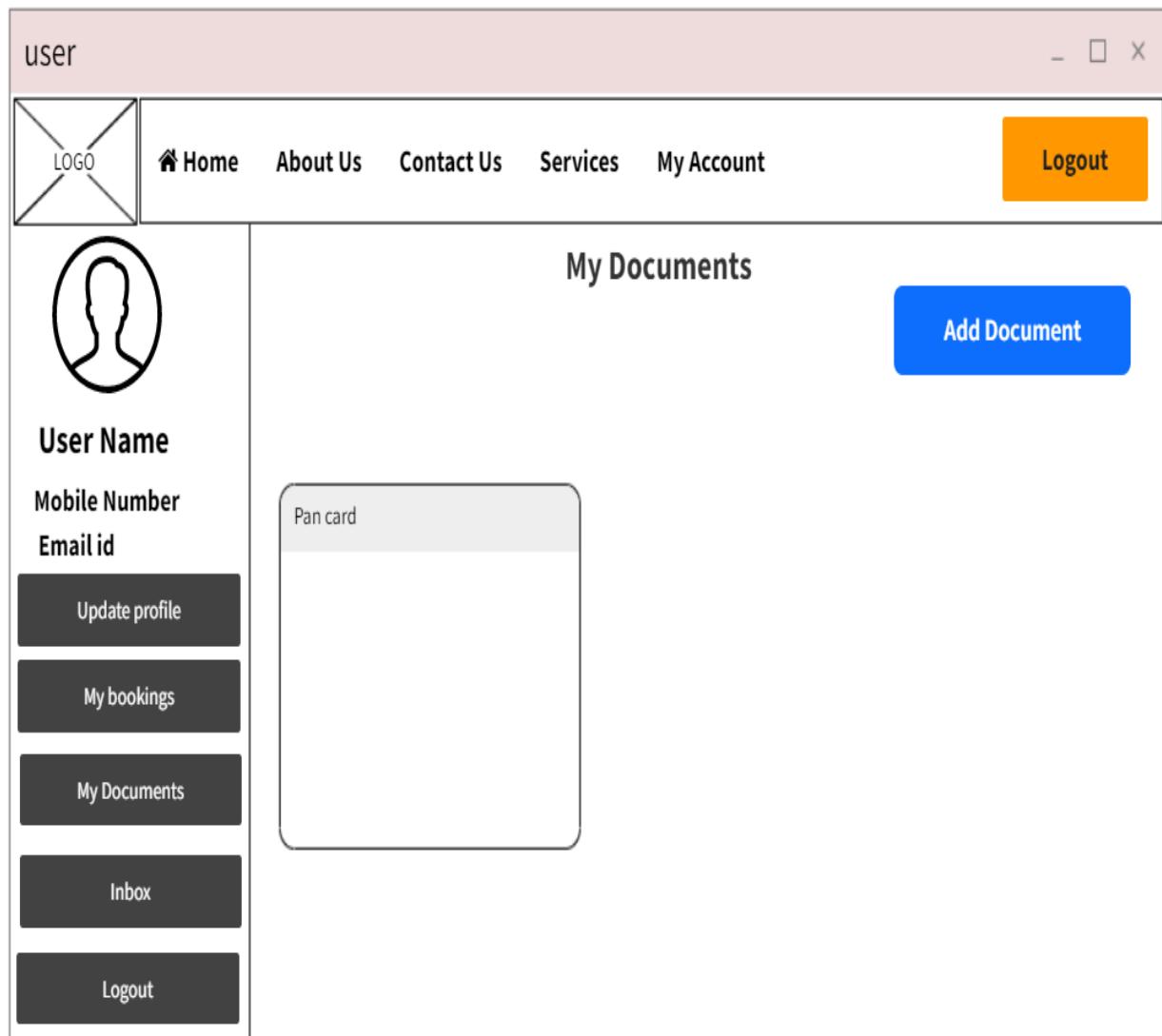


Figure 3.21: View documents page

### 3.7.22 Upload documents page

This page is for uploading documents of user.

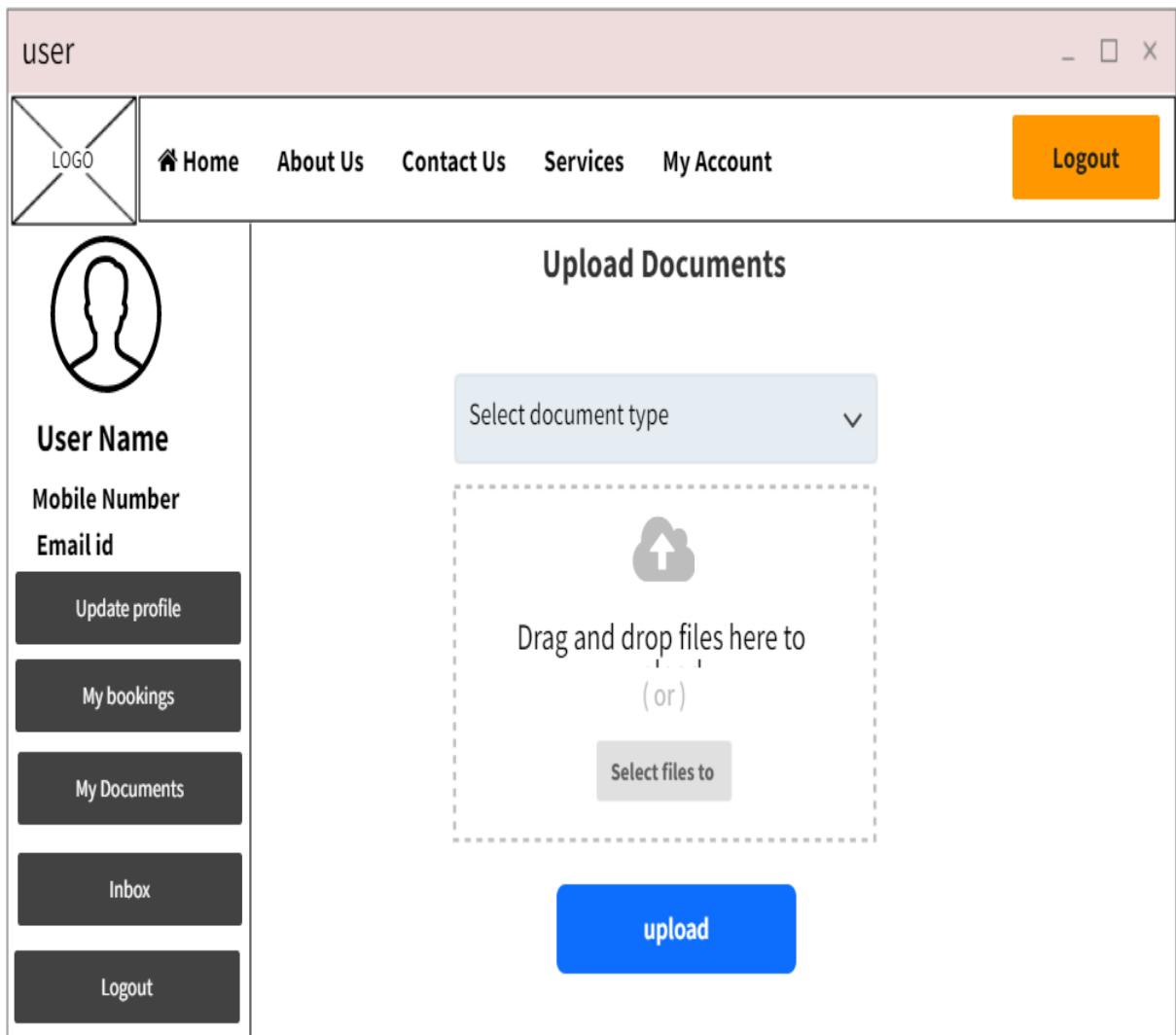
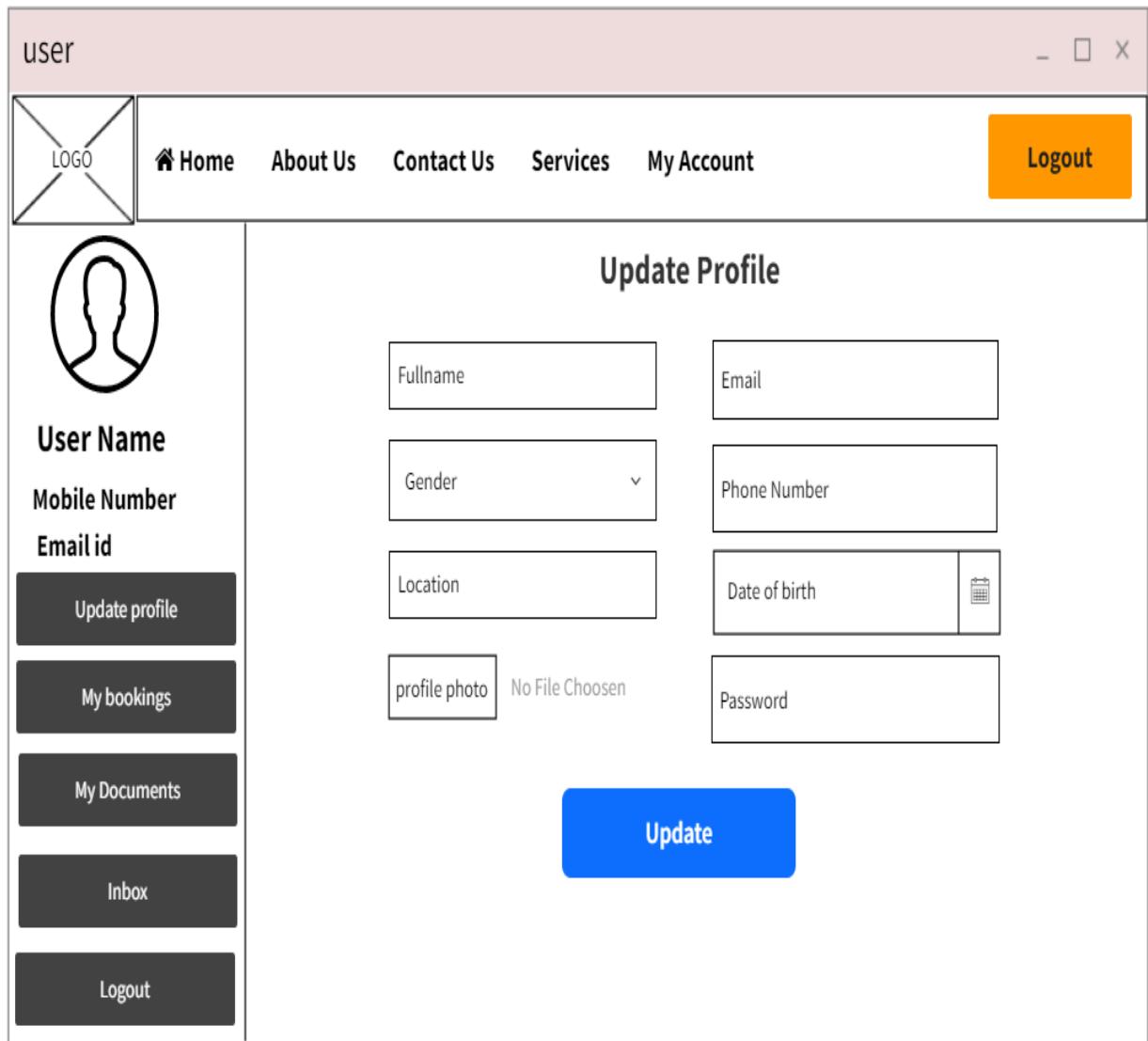


Figure 3.22: Upload documents page

### 3.7.23 Update profile page

This page is for users to update their profile .



The screenshot shows a user interface for updating a profile. At the top, there is a header bar with the word "user" on the left and window control buttons (-, □, X) on the right. Below the header is a navigation menu with links: Home, About Us, Contact Us, Services, My Account, and Logout. On the left side, there is a sidebar with a logo icon and a list of links: User Name, Mobile Number, Email id, Update profile, My bookings, My Documents, Inbox, and Logout. The main content area is titled "Update Profile". It contains several input fields: Fullname, Email, Gender (with a dropdown arrow), Phone Number, Location, Date of birth (with a calendar icon), profile photo (with a placeholder "No File Choosen"), and Password. A large blue "Update" button is centered at the bottom of the form.

Figure 3.23: Update profile page

### 3.7.24 Driver update profile page

Driver can view and update profile.

The screenshot shows a web-based driver profile update interface. At the top, there's a header bar with a logo placeholder, navigation links for Home, About Us, Contact Us, Services, and My Account, an Inbox button with a red badge showing '99+', and a Logout button. On the left side, a sidebar contains sections for Driver Name (with a placeholder icon), Mobile Number, Email id, and several buttons: Update profile, View bookings, My Documents, Availability (with a dropdown arrow), and Logout. The main content area on the right features a grid of input fields for updating personal information: Fullname, Email, Gender, Phone Number, Experience, Date of birth, Charge, and Password. Below these is a file upload section with 'photo' and 'Choose File' buttons, showing 'No file chosen'. A large text input field for 'Address' is also present. At the bottom is a prominent blue 'Update' button.

Fullname	Email
Gender	Phone Number
Experience	Date of birth
Charge	Password

photo Choose File No file chosen

Address

Update

Figure 3.24: Driver profile page

### 3.7.25 View driver documents page

Driver can view uploaded document.

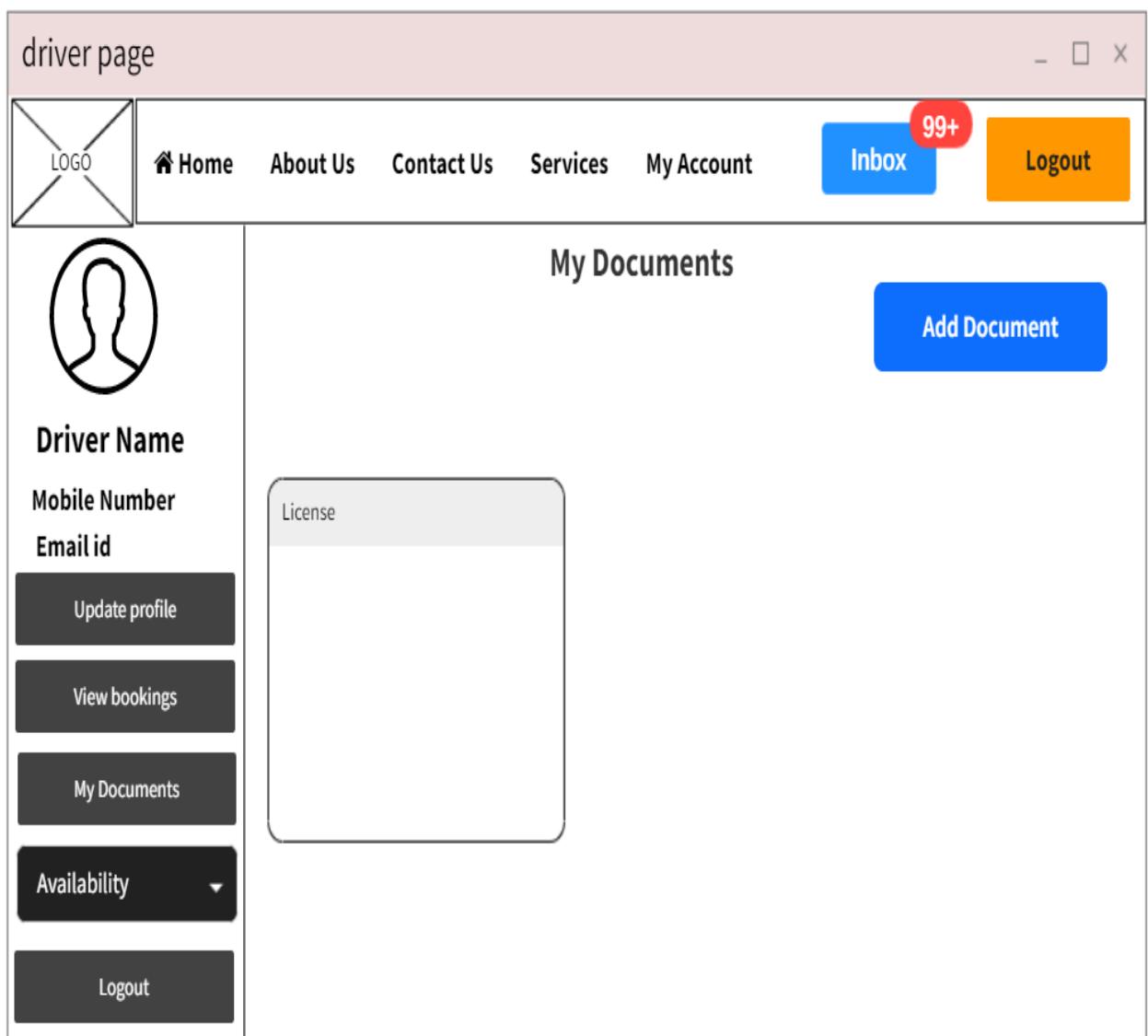


Figure 3.25: View documents page

### 3.7.26 Upload documents page

Through this page drivers to upload documents.

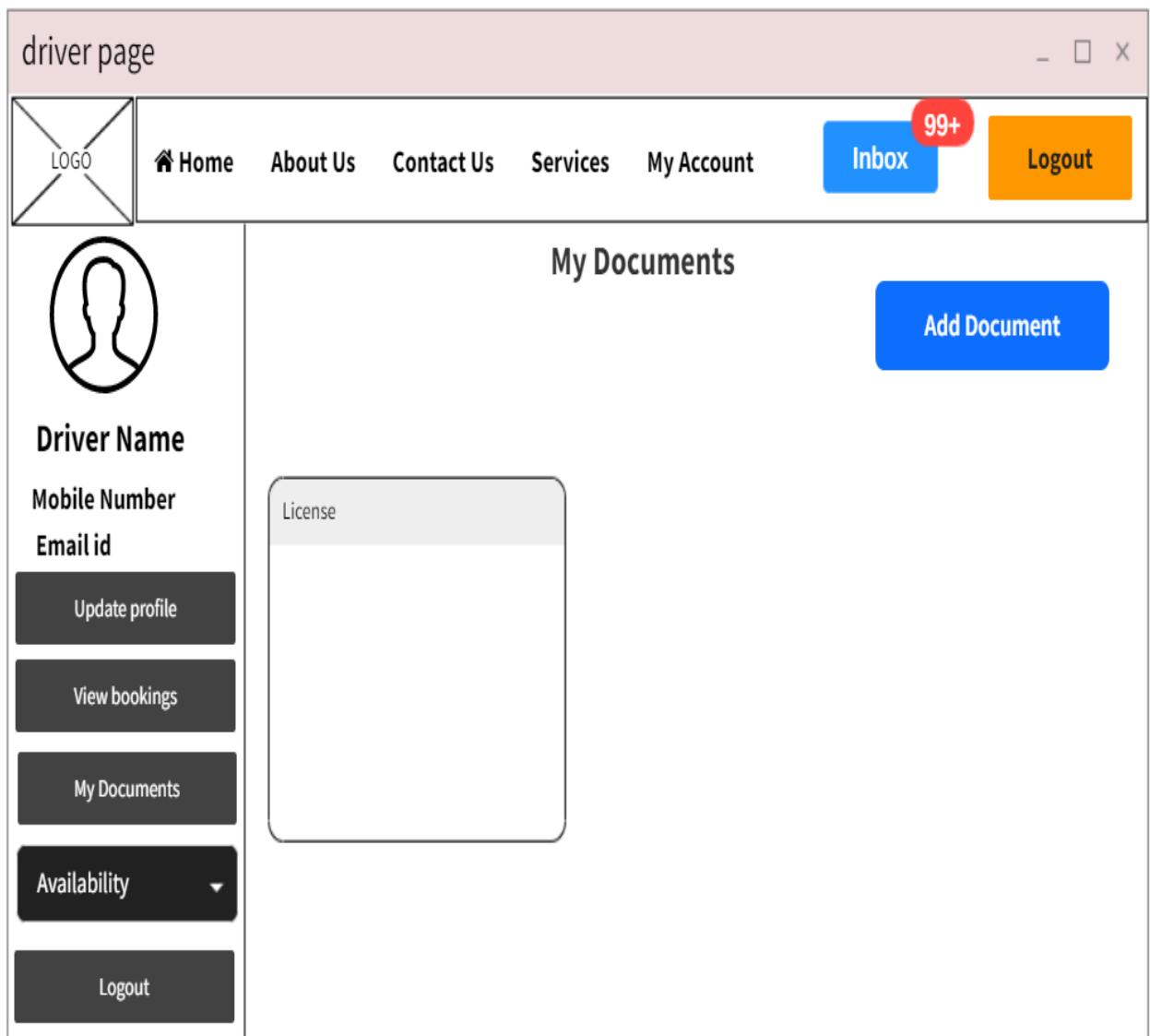


Figure 3.26: Upload documents page

### 3.7.27 Booking of driver page

This page is for viewing bookings.

The screenshot shows a web-based application interface titled "driver page". At the top, there is a navigation bar with links for Home, About Us, Contact Us, Services, and My Account. The "Inbox" button is highlighted with a red badge showing "99+" notifications. On the left side, there is a sidebar with icons for profile, driver name, mobile number, email id, update profile, view bookings, my documents, availability, and logout. The main content area is titled "Bookings" and displays a table with three rows of booking information. Each row includes columns for Booking id, C\_Name, C\_email, phone, Car, Booking time, and status. To the right of each row are two buttons: "Accept" (green) and "View" (blue).

Booking id	C_Name	C_email	phone	Car	Booking time	status	
							<button>Accept</button> <button>View</button>
							<button>Accept</button> <button>View</button>
							<button>Accept</button> <button>View</button>

Figure 3.27: Driver's bookings page

### 3.7.28 Booking details of driver page

This page is for viewing booking details of specific bookings.

The screenshot shows a web application window titled "driver page". The header includes a logo, navigation links for Home, About Us, Contact Us, Services, and My Account, and a notification badge for "99+" in the inbox. The main content area is titled "View Bookings Details". On the left sidebar, there are profile icons and buttons for "Driver Name", "Mobile Number", "Email id", "Update profile", "View bookings", "My Documents", "Availability" (with a dropdown arrow), and "Logout". The central area displays "Customer Details" (Name, phone, Email, Location) and "Car Details" (Model, Brand, fuel). To the right, a "Rent Details" section lists pickup date, dropoff date, days, and status. Each section contains a placeholder "Image" box.

Customer Details		Car Details	
Name:	phone :	Model:	Brand:
Email:	Location:	fuel:	

Rent Details

pickup date:  
Dropoff date:  
Days:  
status:

Figure 3.28: Driver's booking details page

# **Chapter 4**

## **TESTING AND IMPLEMENTATION**

### **4.1 Testing**

#### **4.1.1 Test Case-1**

No.	Date	Action	Expected Result	Actual Result	Pass?
1	04-09-22	Homepage	Home page for all users	Home page for all users.	Yes
2	08-09-22	Admin login	Admin access the system	Admin access the system	Yes
3	10-09-22	Add car	Admin can Add Details of cars and view	Admin can Add Details of cars and view	yes
4	12-09-22	Add driver	Admin can Add new of driver and view	Admin can Add new of driver and view	Yes

No.	Date	Action	Expected Result	Actual Result	Pass?
5	16-09-22	Update car	Admin can update Details of cars	Admin can update Details of cars	Yes
6	21-09-22	User register and login	User can access the system	User can access the system	Yes

Table 4.1: Test case-1

#### 4.1.2 Test Case-2

No.	Date	Action	Expected Result	Actual Result	Pass?
7	23-09-22	Update profile	Update user profile	Update user profile	Yes
8	25-09-22	Update documents	Upload user documents	Upload user documents	Yes
9	30-09-22	Get all users	View all users and details	View all users and details	Yes
10	02-10-22	Driver login	Driver access the system	Driver access the system	Yes
11	06-10-22	Update driver profile details	Update details of Driver	Update details of Driver	Yes
12	08-10-22	Driver upload documents	Driver upload documents	Driver upload documents	Yes

Table 4.2: Test case-2

#### 4.1.3 Test Case-3

No.	Date	Action	Expected Result	Actual Result	Pass?
13	10-10-22	List Cars	View List of cars	View List of cars	Yes
14	15-10-22	Book Cars	Book cars from the list	Book cars from the list	Yes
15	18-10-22	List Driver	View List of Drivers	View List of Drivers	Yes
16	21-10-22	Book Drivers	Select Driver from the list	Select Driver from the list	Yes

Table 4.3: Test case-3

#### 4.1.4 Test Case-4

No.	Date	Action	Expected Result	Actual Result	Pass?
17	24-10-22	Receive booking	Receive booking details to driver	Receive booking details to driver	Yes
18	26-10-22	Booking Management	Admin can Manage Bookings	Admin can Manage Bookings	Yes
19	29-10-22	Feedback & enquiry	Public can send queries and users leave feedback	Public can send queries and users leave feedback	Yes
20	02-11-22	View & respond	Admin respond to enquiry & view feedback	Admin respond to enquiry & view feedback	Yes

Table 4.4: Test case-4

## **4.2 Implementation**

After testing, the proposed system is ready for the implementation. Implementation is the stage of the project when the theoretical design is turned in to a working system. Implementation is the process of bringing a newly developed system or revised into operational one. The implementation stage of a project is often very complex and time-consuming, and many More people are involved in the earlier stages. This involves careful planning and investigation.of the current system and constraints of implementation, installing hardware, training the operating users in the changeover procedures before the system is setup and running. So,The proposed system is easy to implement.

To implement this system, Admin needs a personal computer to host the web application. For hosting an web application, first of all choose web hosting provider means web domain for this project. This web hosting provider provides web space (which means web servers) which store website files of project, as well as technologies and services that are needed for website to be viewed on the internet. Stored file can't exceed the size. Project's website can be host in "<http://in.000webhost.com>". This site is free to host and it has free and paid version. The website uploaded to server can be accessed by anyone with a particular domain name.

# Chapter 5

## RESULT AND DISCUSSION

The project Online car rental system web App was developed with proper planning and guidance. Agile methodology is used during the development of this project. Planning at each stage was done properly. Each sprint has been conducted as per protocol. Testing was performed at each stage of development. The project is manage a car renting company kozhikode, through web application. Web application is managed by the head of the company of for adding details of cars and drivers and manage bookings and make bookings by users through the system. The application is used by users to make bookings.

Report

Sino	Car	Reg.no	Days	Amount
1	Datsun Redi Go (AT)	KL 57 A 2264	5	₹ 6000
2	Toyota Innova Crysta (AT)	KL 57 A 2261	4	₹ 15600
3	Maruti Suzuki Swift (AT)	KL 57 A 2254	1	₹ 1900
4	Maruti Suzuki Swift (AT)	KL 57 A 2254	3	₹ 7800
5	Maruti Suzuki Swift (AT)	KL 57 A 2254	2	₹ 5200
6	Nissan Micra	KL 57 A 2251	6	₹ 7380
7	Nissan Sunny (MT)	KL 57 A 2257	3	₹ 7800
8	Nissan Micra	KL 57 A 2251	2	₹ 3860
9	Maruti Suzuki Wagon R (MT)	KL 57 A 2253	3	₹ 5100
10	Datsun Redi Go (AT)	KL 57 A 2264	6	₹ 7200

Figure 5.1: Report

# **Chapter 6**

## **CONCLUSION**

The project "Online Car Rental System " put forward an effective way to get information regarding available cars and driver in shop and to book if them required. Technology is improving day by day and everything is possible with our smartphone. This project aims at building an easy and effective way to manage a car rental shop , This site brings a new opportunity for the people to make book their budget friendly car with and without driver its depends users requirements.

### **6.1 Future work**

The current web application is used for rent cars through online portal.In the future updation can use speech recognition which better guides customer services.

## 6.2 References

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[13]<https://datatables.net/examples/styling/bootstrap4>

[14][https://www.youtube.com/watch?v=Y\\_cI7L6818U](https://www.youtube.com/watch?v=Y_cI7L6818U)list=PLY-ecO2csVHd8R8sg-4vhN2BzZQLxIZO9

[15][https://www.youtube.com/watch?v=-wGc24R3\\_eM](https://www.youtube.com/watch?v=-wGc24R3_eM)list=PLY-ecO2csVHdLhAO6TERaMJXP8a

## 6.3 Screenshots

### 6.3.1 Homepage for all users

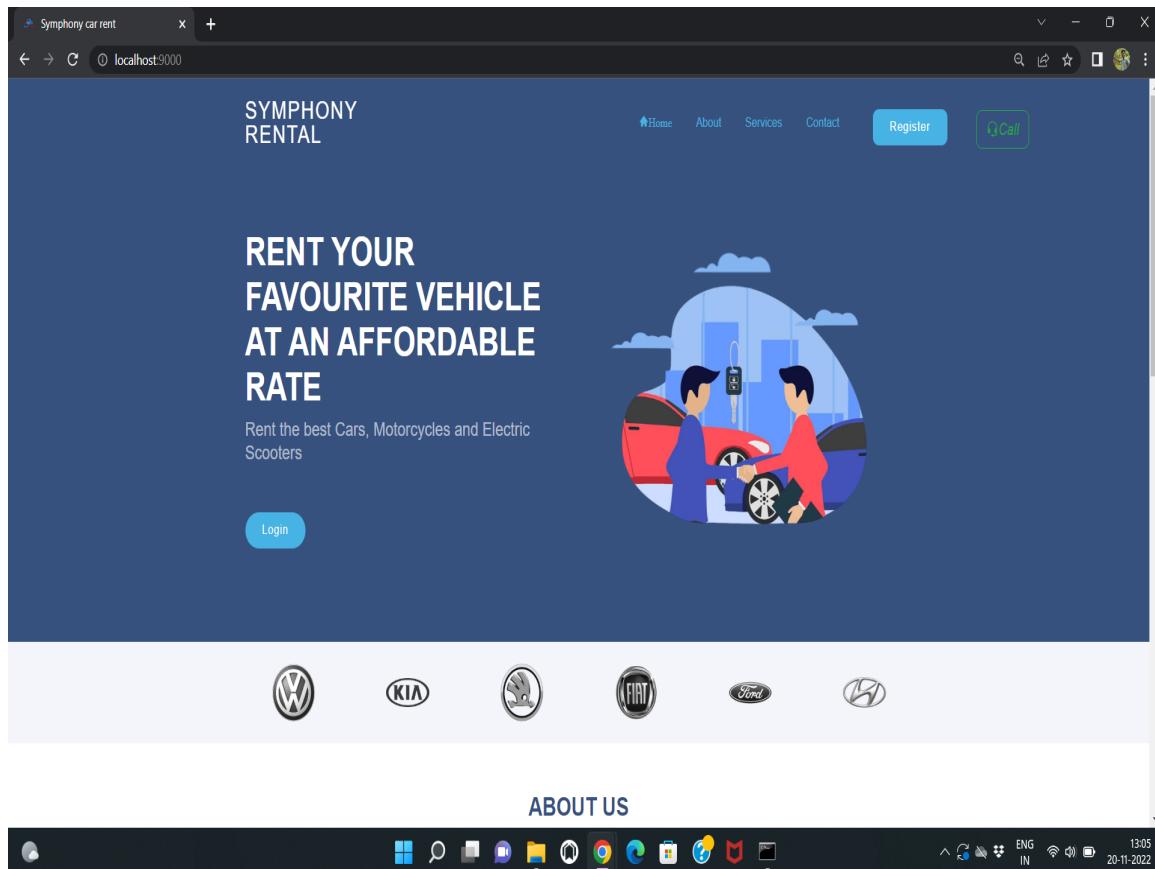


Figure 6.1: Homepage

### 6.3.2 Registration page

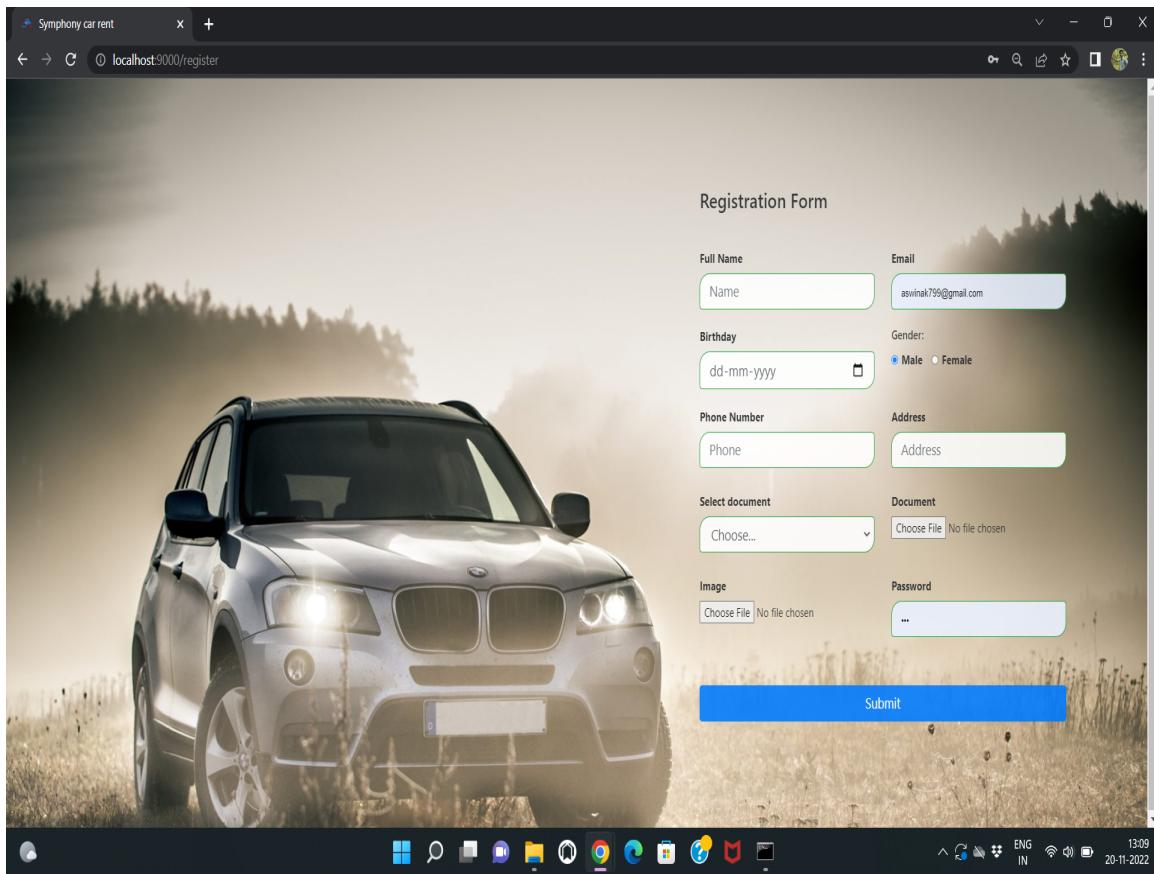


Figure 6.2: Registration page

### 6.3.3 Login page

Login page for admin,user and driver

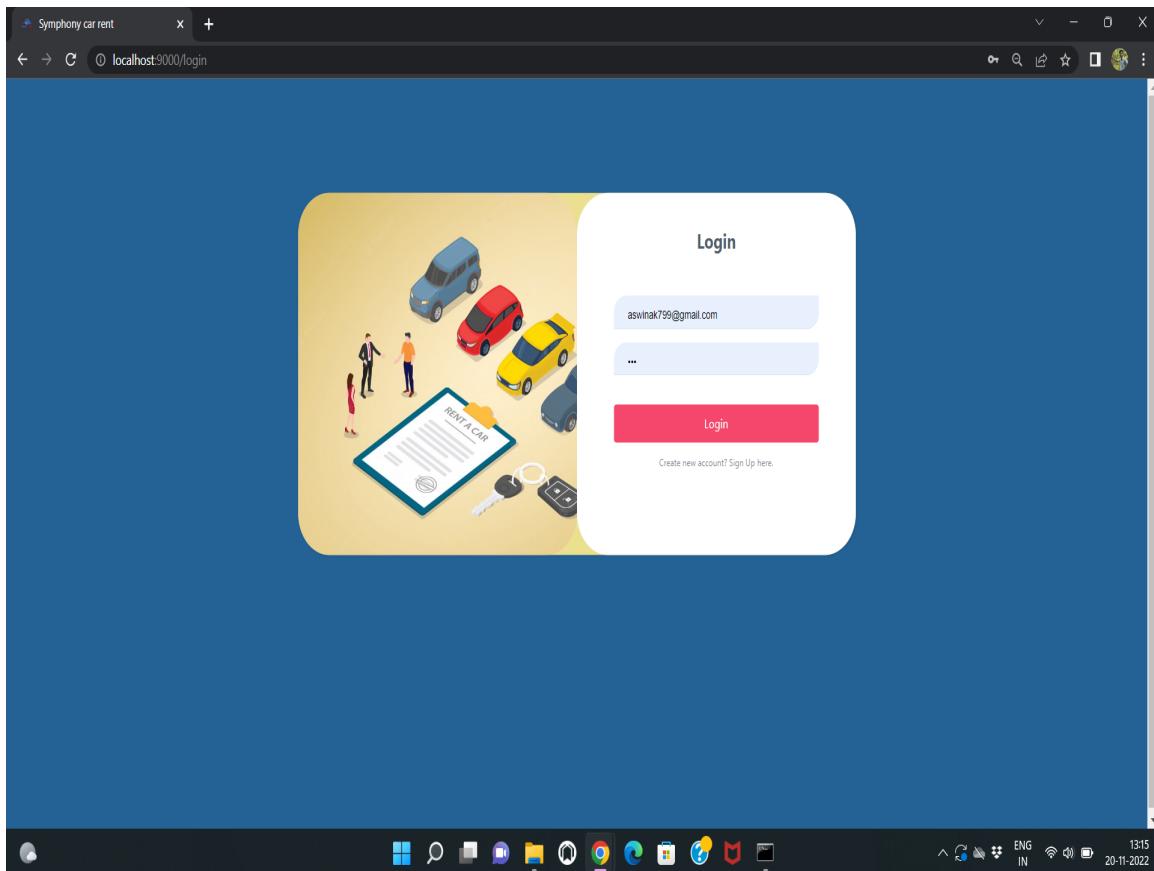


Figure 6.3: Login page

#### 6.3.4 View cars

Through this page admin can view all cars added

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/admin/carlist". The title bar also displays "Admin". The main content area is titled "ADMIN DASHBOARD" and "Car List". On the left, there is a sidebar with navigation links: Dashboard, Homepage, Car List (selected), Driver List, Bookings, All Users, Queries, Feedbacks, and Logout. The "Car List" section has a "Car details | All" heading and a table with 6 rows. The table columns are: sno, Brand, Model, Register No, Amount, fuel, Kms, Segment, Transmission, Status, image, and option. The rows show the following data:

sno	Brand	Model	Register No	Amount	fuel	Kms	Segment	Transmission	Status	image	option
1	Volkswagen	Polo	KL 57 A 2255	12000	Diesel	12000	Hatchback	Manual	Not available		<a href="#">Edit</a> <a href="#">Delete</a>
2	Nissan	Micra	KL 57 A 2251	1230	Petrol	12633	Hatchback	Automatic	Available		<a href="#">Edit</a> <a href="#">Delete</a>
3	Maruti Suzuki	Swift (MT)	KL 57 A 2252	1800	Petrol	6500	Hatchback	Manual	Available		<a href="#">Edit</a> <a href="#">Delete</a>
4	Volkswagen	Polo (MT)	KL 57 A 2256	1700	Diesel	11000	Hatchback	Manual	Available		<a href="#">Edit</a> <a href="#">Delete</a>
5	Maruti Suzuki	Wagon R (MT)	KL 57 A 2253	1700	Petrol	18200	Hatchback	Manual	Available		<a href="#">Edit</a> <a href="#">Delete</a>
6	Maruti Suzuki	Swift (AT)	KL 57 A 2254	1900	Petrol	13200	Hatchback	Automatic	Available		<a href="#">Edit</a> <a href="#">Delete</a>

Figure 6.4: View cars

### 6.3.5 Add cars

Through this page admin can add new cars

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/admin/add-car". The page is titled "Add Car" and contains a form for adding a new car. The form fields are as follows:

Brand Name	Model Name
Hundai	Creta

Register No	Amount
KL 57 A 6699	1500

Fuel Type	Total kilometers
Petrol	6899

Segment	Seats
SUV	5

Transmission	Image
Manual	<input type="file" value="Choose File"/> 117-1176760...dai-creta.png

At the bottom of the form is a blue "Add" button.

Figure 6.5: Add cars

### 6.3.6 View driver list

Through this page admin can view all drivers

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/admin/driver-list". The page is titled "ADMIN DASHBOARD" and "Driver List". On the left, there is a sidebar with various navigation links: Dashboard, Homepage, Car List, Driver List, Bookings, All Users, Queries, Feedbacks, and Logout. The main content area displays a table titled "Driver details | All" with the following data:

sno	name	gender	Experience	Phone	Status	option
1	JHON	Male	3 years	7559935761	Available	<button>View</button>
2	JHONY	Male	4 years	8845712563	Available	<button>View</button>
3	TONY STARK	Male	8 years	8546231970	Available	<button>View</button>
4	JANGO	Male	3 years	5731968420	Available	<button>View</button>
5	MANU	Male	4 years	8579612340	Available	<button>View</button>

At the bottom of the table, it says "Showing 1 to 5 of 5 entries". Below the table, there are links for "Previous", "1", and "Next". At the very bottom of the page, there is a footer with copyright information: "© Copyright Admin. All Rights Reserved" and "Designed by Ak group". The footer also includes system icons for battery, signal, and date/time (20-11-2022, 19:23).

Figure 6.6: View all driver

### 6.3.7 Admin view bookings

Through this page admin can view and manage all bookings made by users.

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/admin/bookings". The page is titled "All Bookings" and displays a table of booking details. The table has columns for Sl\_no, pickup, Dropoff, Time, Car Details, Reg\_no, Amount, Status, Option, and Change\_status. The data is as follows:

Sl_no	pickup	Dropoff	Time	Car Details	Reg_no	Amount	Status	Option	Change_status
1	Thu Nov 24 2022	Wed Nov 30 2022	Sun Nov 20 2022 19:28:50	Datsun Redi Go (AT)	KL 57 A 2264	7200	success	<button>View</button>	<button>success</button>
2	Wed Nov 23 2022	Sat Nov 26 2022	Sun Nov 20 2022 19:27:54	Maruti Suzuki Wagon R (MT)	KL 57 A 2253	5100	success	<button>View</button>	<button>success</button>
3	Mon Nov 21 2022	Wed Nov 23 2022	Sun Nov 20 2022 19:27:11	Nissan Micra	KL 57 A 2251	3860	Processing	<button>View</button>	<button>Processing</button>
4	Tue Nov 22 2022	Fri Nov 25 2022	Sat Nov 19 2022 23:08:51	Nissan Sunny (MT)	KL 57 A 2257	7800	Completed	<button>View</button>	<button>Completed</button>
5	Wed Nov 23 2022	Tue Nov 29 2022	Sat Nov 19 2022 22:54:26	Nissan Micra	KL 57 A 2251	7380	Completed	<button>View</button>	<button>Completed</button>
6	Mon Nov 21 2022	Wed Nov 23 2022	Sat Nov 19 2022 21:00:36	Maruti Suzuki Swift (AT)	KL 57 A 2254	5200	Completed	<button>View</button>	<button>Completed</button>
7	Mon Nov 21 2022	Thu Nov 24 2022	Sat Nov 19 2022 15:48:00	Maruti Suzuki Swift (AT)	KL 57 A 2254	7800	Rejected	<button>View</button>	<button>Rejected</button>
8	Fri Nov 18 2022	Sat Nov 19 2022	Thu Nov 17 2022 22:28:53	Maruti Suzuki Swift (AT)	KL 57 A 2254	1900	Completed	<button>View</button>	<button>Completed</button>
9	Thu Nov 10 2022	Mon Nov 14 2022	Sun Nov 06 2022 20:29:02	Toyota Innova Crysta (AT)	KL 57 A 2261	15600	Completed	<button>View</button>	<button>Completed</button>
10	Mon Nov 07 2022	Sat Nov 12 2022	Sun Nov 06 2022 20:22:16	Datsun Redi Go (AT)	KL 57 A 2264	6000	Completed	<button>View</button>	<button>Completed</button>

At the bottom, there is a message "Showing 1 to 10 of 10 entries" and navigation buttons for "Previous", "Next", and a page number "1". The browser taskbar at the bottom shows various application icons and the date "20-11-2022".

Figure 6.7: Admin view bookings

### 6.3.8 Admin view user profile

through this page admin can view user details and uploaded documents by users

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/admin/view-user/61". The main content area is titled "User Profile" and displays the following information:

Full Name	JUNAID T
Email	junaid@gmail.com
Phone	9562993889
Birthday	Fri Dec 29 2000
Gender	Male
Address	MALAPURAM,KUTTIPURAM

Below this, there is a section titled "Documents uploaded" showing two images of uploaded documents:

- A driver's license card labeled "Licence".
- An Aadhaar card labeled "Aadhaar".

The browser interface includes a sidebar with navigation links like Dashboard, Homepage, Car List, Driver List, Bookings, All Users, Queries, Feedbacks, and Logout. The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

Figure 6.8: Admin view user profile

### 6.3.9 Admin view queries and respond

Admin can view and respond to enquiry.

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/admin/feedback". The page is titled "ADMIN DASHBOARD" and "Queries". On the left, there is a sidebar with navigation links: Dashboard, Homepage, Car List, Driver List, Bookings, All Users, Queries (which is selected and highlighted in blue), Feedbacks, and Logout. The main content area is titled "Queries details | All" and contains a table with 11 entries. The table columns are: SNo, name, Email, Phone, Time, Subject, Message, and Response. The "Response" column for each row contains a "Send Response" button, which is highlighted in blue for the first few rows. Below the table, it says "Showing 1 to 10 of 11 entries" and has "Previous" and "Next" buttons. At the bottom of the page, it says "© Copyright Admin. All Rights Reserved." and shows system status icons like battery level, signal strength, and date/time (20-11-2022 19:42).

SNo	name	Email	Phone	Time	Subject	Message	Response
1	ASWIN A K	aswinak799@gmail.com	9562993881	Sun Nov 20 2022 19:42:12	Queries	how to book a car without pay money first	<button>Send Response</button>
2	ALEN	alenchristy0201@gmail.com	9632854710	Sat Nov 19 2022 15:53:27	Feedback	rrr	<button>Send Response</button>
3	alen	aswinak799@gmail.com	0956 299 3881	Sat Nov 19 2022 12:28:53	Queries	dshagfewhgf	<button>Send Response</button>
4	ALEN	alenchristy0201@gmail.com	0956 299 3881	Sat Nov 19 2022 11:55:51	Feedback	good	<button>Send Response</button>
5	ALEN	alenchristy0201@gmail.com	0956 299 3881	Sat Nov 19 2022 11:54:40	Feedback	good	<button>Send Response</button>
6	alen	alenchristy0201@gmail.com	9632587410	Sat Nov 19 2022 11:48:43	Feedback	good	<button>Send Response</button>
7	Alen	alenchristy0201@gmail.com	3214569870	Sat Nov 19 2022 11:49:41	Feedback	hai	<button>Send Response</button>
8	Alen	alenchristy0201@gmail.com	9856321478	Sat Nov 19 2022 11:39:33	Feedback	nice	<button>Send Response</button>
9	ASWIN A K	aswinak799@gmail.com	0956 299 3881	Fri Nov 11 2022 19:59:30	Feedback	Nice	<button>Send Response</button>
10	Anjusha k	anju140296@gmail.com	7994992235	Mon Nov 07 2022 14:24:00	Feedback	nice	<button>Send Response</button>

Figure 6.9: Admin view queries

### 6.3.10 Admin view all feedback

Admin can view all feedback made by users.

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/admin/user-feedback". The page is titled "ADMIN DASHBOARD" and has a sub-section titled "feedbacks". On the left, there is a sidebar with navigation links: Dashboard, Homepage, Car List, Driver List, Bookings, All Users, Queries, Feedbacks, and Logout. The main content area displays a table titled "Feedback details | All" with the following data:

Sno *	name	Email	Phone	Feedback
1	JUNAID T	junaid@gmail.com	9562993889	Great
2	JUNAID T	junaid@gmail.com	9562993889	Above Average
3	JUNAID T	junaid@gmail.com	9562993889	Above Average
4	ANEETHA	aneetha@gmail.com	9562993883	Great
5	ANEETHA	aneetha@gmail.com	9562993883	Average
6	ANEETHA	aneetha@gmail.com	9562993883	Bad

At the bottom of the page, there is a footer with copyright information: "© Copyright Admin. All Rights Reserved" and "Designed by Ali group". The status bar at the bottom of the screen shows various system icons and the date/time: "20-11-2022 19:47".

Figure 6.10: Admin view feedback

### 6.3.11 Admin view driver profile

Admin can view driver profile and they uploaded documents.

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/admin/view-driver/9". The main content area is titled "User Profile" and displays a driver's profile picture, name (JHON), email (jhon@gmail.com), phone number (7559935761), experience (3 years), and address (Calicut). Below this, there is a section titled "Documents uploaded" showing three documents: a Driver License, an Aadhaar card, and a Pan card. The footer of the page includes copyright information ("© Copyright Admin. All Rights Reserved" and "Designed by Ak group") and a timestamp ("20-11-2022"). The browser interface includes a sidebar with navigation links like Dashboard, Homepage, Car List, Driver List, Bookings, All Users, Queries, and Feedbacks, along with standard browser controls at the top and bottom.

Figure 6.11: Admin view driver profile

### 6.3.12 User profile

User can view user profile.

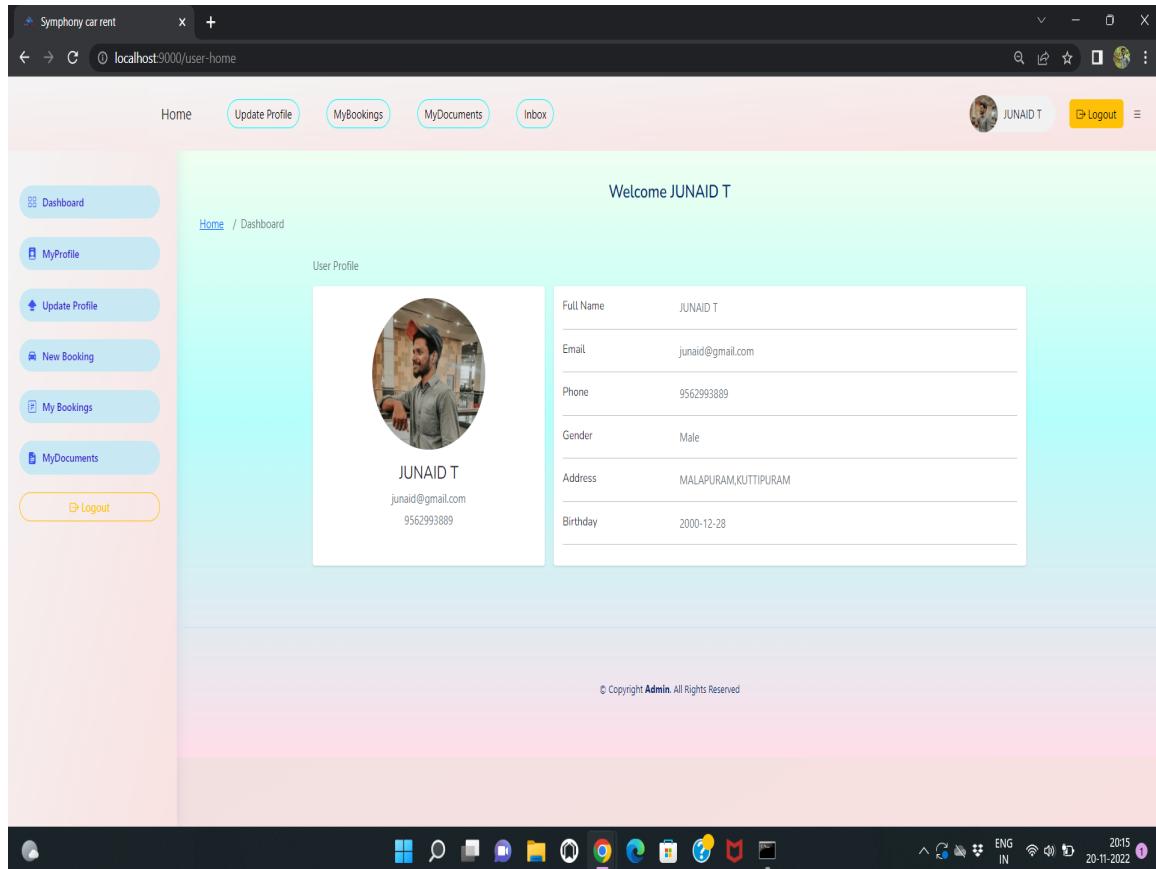


Figure 6.12: User view profile

### 6.3.13 Update user profile

Through this page user can update profile like email, phone and image etc.

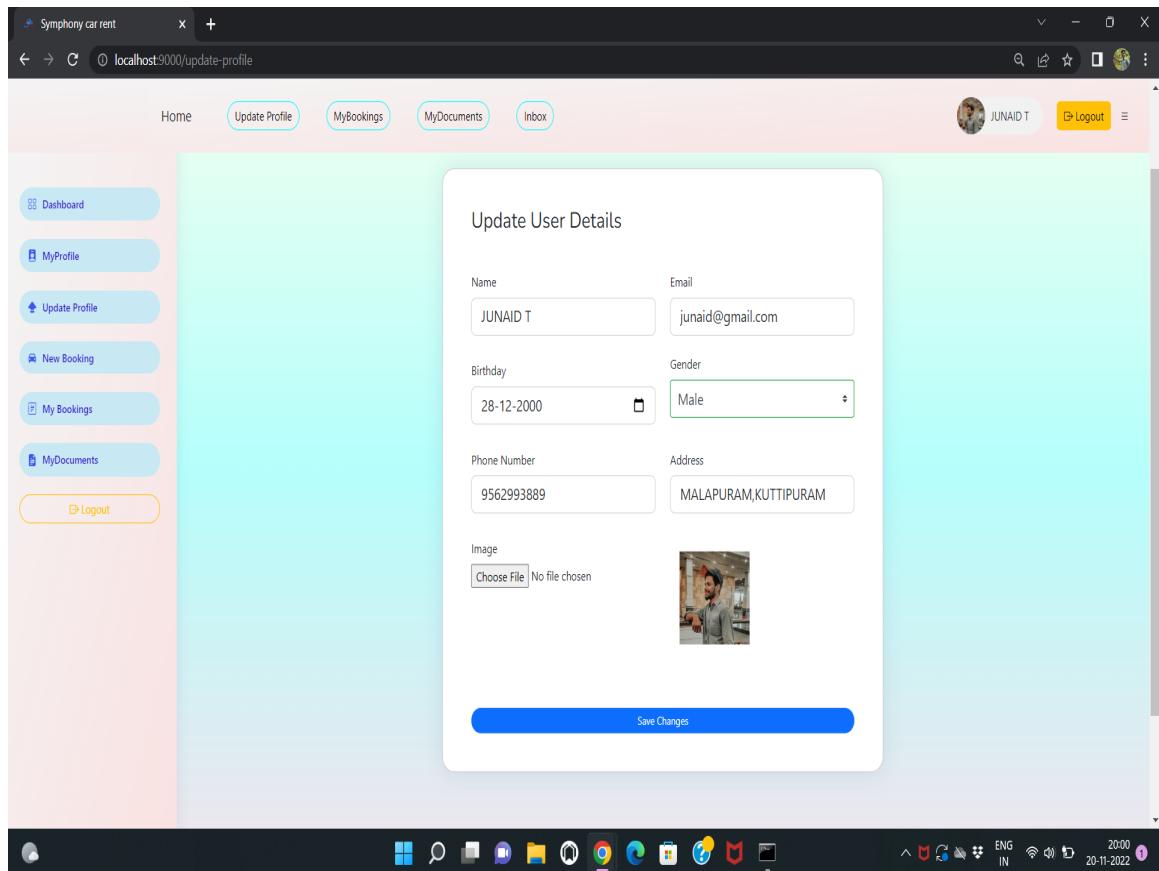


Figure 6.13: Update user profile

### 6.3.14 Booking form

User can input pickup and dropoff dates to search available cars.

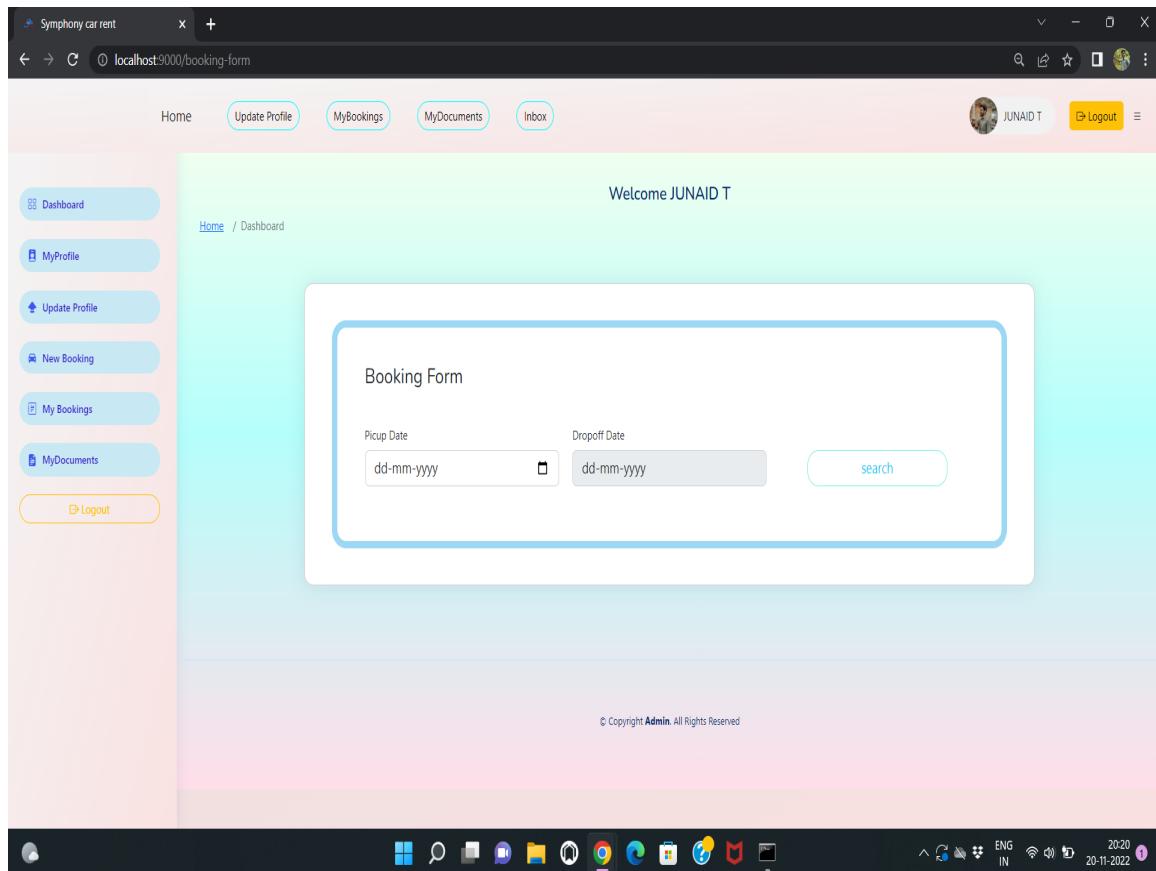


Figure 6.14: Booking form

### 6.3.15 User view Available cars

User can view all available car and select to book.

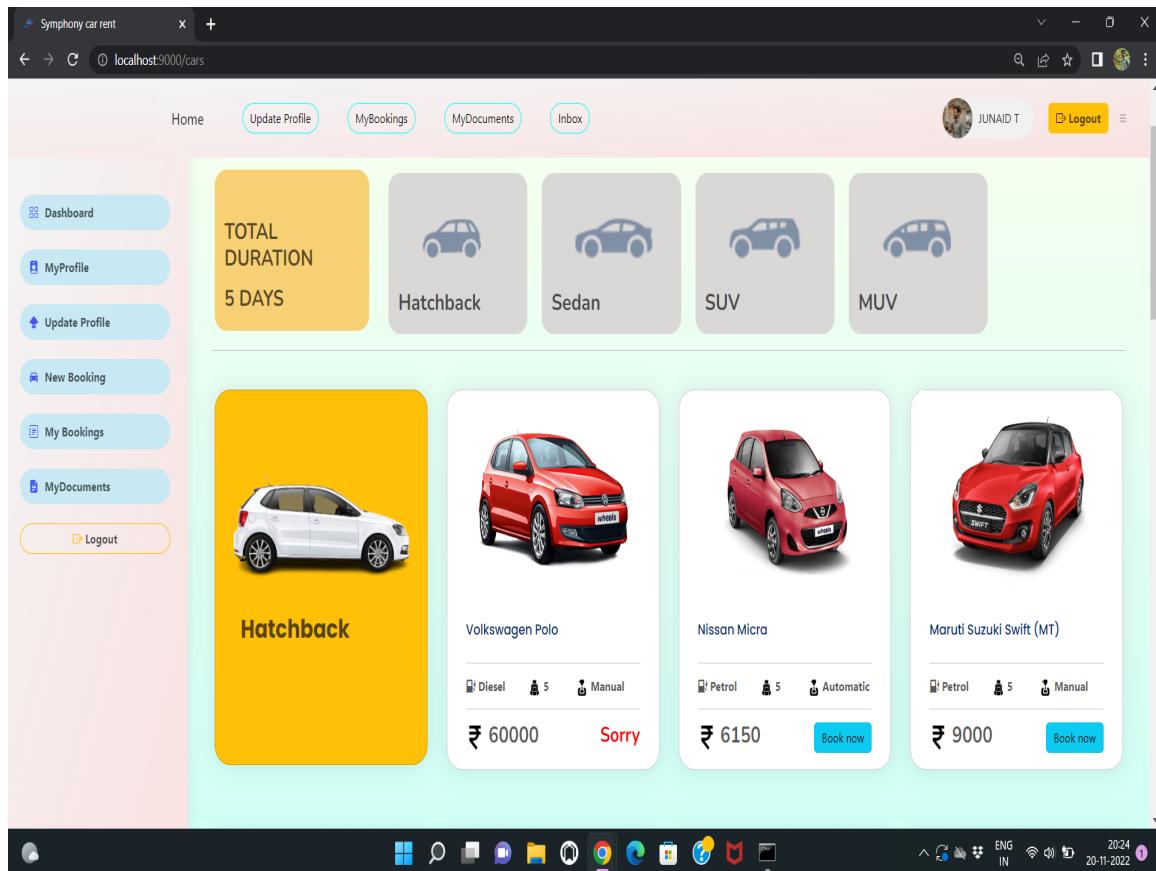


Figure 6.15: Available cars

### 6.3.16 User select available driver

User can view and select available drivers.

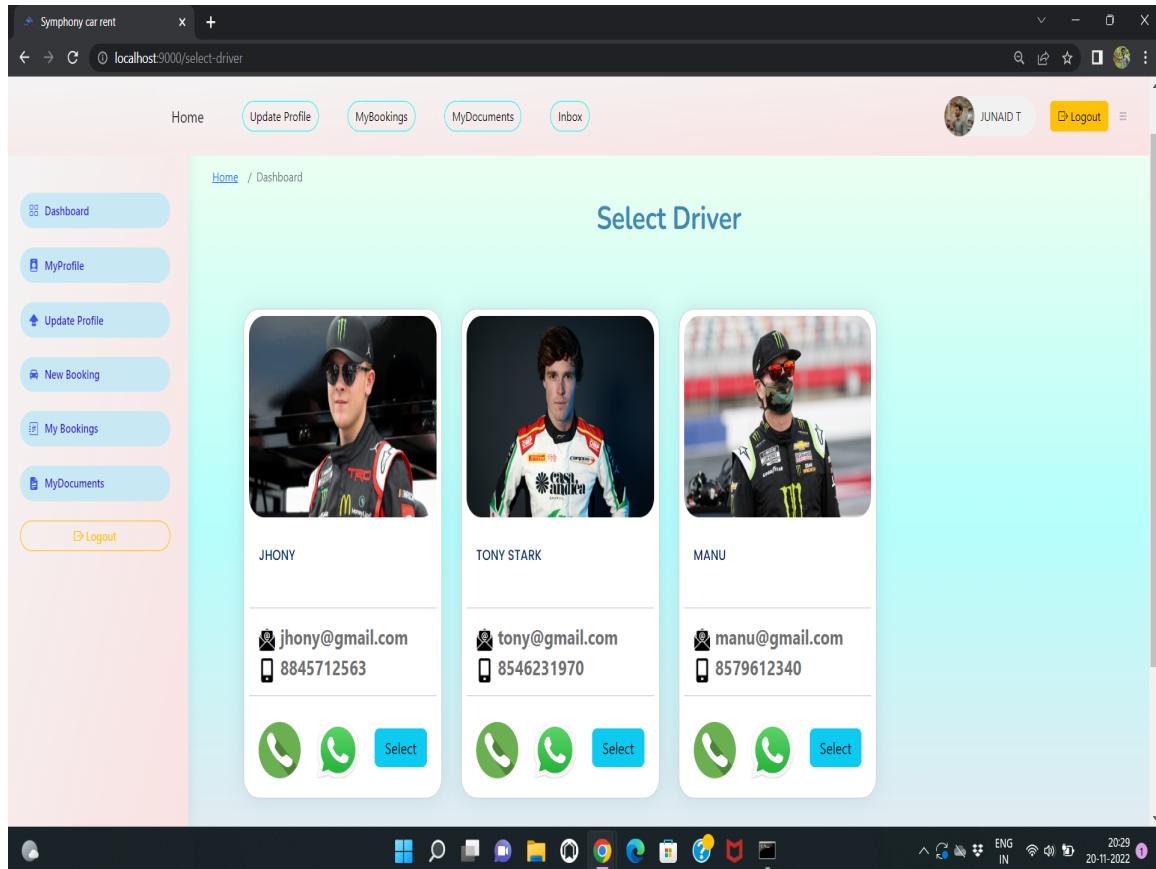


Figure 6.16: Select driver

### 6.3.17 Payment page

User can make payment and book through this page.

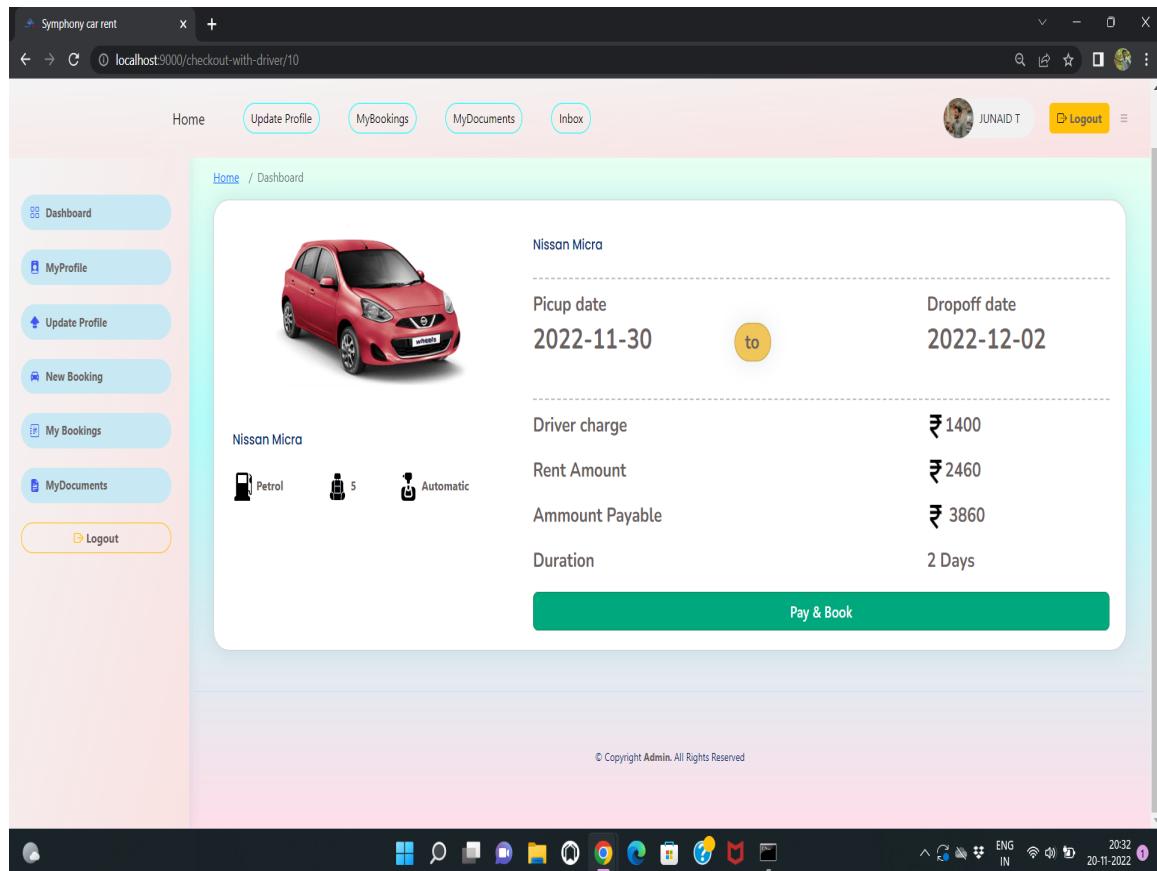


Figure 6.17: Payment page

### 6.3.18 User view bookings

User can view all bookings made him.

The screenshot shows a web application interface titled "My Bookings". On the left, there is a sidebar with navigation links: Dashboard, MyProfile, Update Profile, New Booking, My Bookings (which is highlighted in blue), MyDocuments, and Logout. The main content area is titled "All-Bookings | All" and displays a table of bookings. The table columns are Sino, pickup, Dropoff, Time, Car Details, Status, Amount, Driver, View, Cancel, and Feedback. There are 8 entries listed:

Sino	pickup	Dropoff	Time	Car Details	Status	Amount	Driver	View	Cancel	Feedback
1	Wed Nov 30 2022	Fri Dec 02 2022	Sun Nov 20 2022 20:43:42	Nissan Micra	success	3860	Yes	<button>View</button>	<button>Cancel</button>	
2	Thu Nov 24 2022	Wed Nov 30 2022	Sun Nov 20 2022 19:28:50	Datsun Redi Go (AT)	success	7200	Yes	<button>View</button>	<button>Cancel</button>	
3	Wed Nov 23 2022	Sat Nov 26 2022	Sun Nov 20 2022 19:27:54	Maruti Suzuki Wagon R (MT)	success	5100	Yes	<button>View</button>	<button>Cancel</button>	
4	Mon Nov 21 2022	Wed Nov 23 2022	Sun Nov 20 2022 19:27:11	Nissan Micra	Processing	3860	Yes	<button>View</button>	<button>Processing</button>	
5	Wed Nov 23 2022	Tue Nov 29 2022	Sat Nov 19 2022 22:54:26	Nissan Micra	Completed	7380	No	<button>View</button>	<button>Completed</button>	<button>Above Average</button>
6	Mon Nov 21 2022	Wed Nov 23 2022	Sat Nov 19 2022 21:00:36	Maruti Suzuki Swift (AT)	Completed	5200	Yes	<button>View</button>	<button>Completed</button>	<button>Above Average</button>
7	Mon Nov 21 2022	Thu Nov 24 2022	Sat Nov 19 2022 15:48:00	Maruti Suzuki Swift (AT)	rejected	7800	Yes	<button>View</button>	<button>Rejected</button>	
8	Fri Nov 18 2022	Sat Nov 19 2022	Thu Nov 17 2022 22:28:53	Maruti Suzuki Swift (AT)	Completed	1900	No	<button>View</button>	<button>Completed</button>	<button>Great</button>

At the bottom of the table, it says "Showing 1 to 8 of 8 entries". The footer of the browser window includes a copyright notice "© Copyright Admin. All Rights Reserved.", system icons, and the date "20-11-2022".

Figure 6.18: User view bookings

### 6.3.19 User view booking details

User can view each booking details.

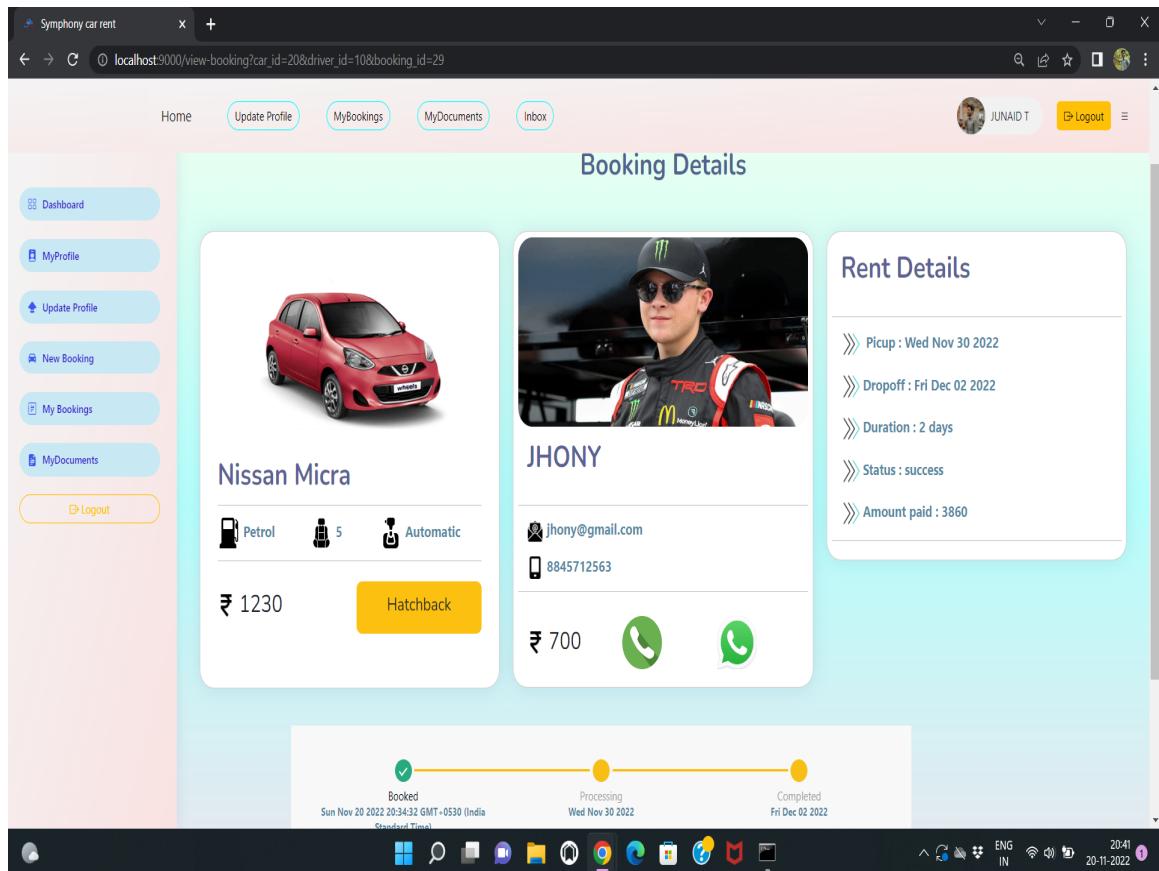


Figure 6.19: User view booking details

### 6.3.20 Admin view booking details

Admin can view each booking details.

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/admin/view-booking?car\_id=23&driver\_id=9&booking\_id=27&user\_id=61". The main content is titled "Booking Details". On the left, a sidebar menu includes "Dashboard", "Homepage", "Car List", "Driver List", "Bookings", "All Users", "Queries", "Feedbacks", and "Logout". The main area displays the following information:

- Car Details:** Maruti Suzuki Wagon R (MT), Petrol, 5 seats, Manual transmission. Price: ₹ 1700. Status: Hatchback.
- User Details:** Junaid T, Email: junaid@gmail.com, Phone: 9562993889. Contact icons: Phone, WhatsApp, View.
- Driver Details:** Jhon, Email: jhon@gmail.com, Phone: 7559935761. Contact icons: Phone, WhatsApp, View.
- Rent Details:** Pickup: Wed Nov 23 2022, Dropoff: Sat Nov 26 2022, Duration: 3 days, Status: success, Amount paid: 5100.

At the bottom, a timeline shows the booking status: Booked (Sun Nov 20 2022 19:27:54 GMT+0530 [India Standard Time]), Processing (Wed Nov 23 2022), and Completed (Sat Nov 26 2022). The browser taskbar at the bottom shows various application icons.

Figure 6.20: Admin view booking details

### 6.3.21 User view documents

User can view documents uploaded by him.

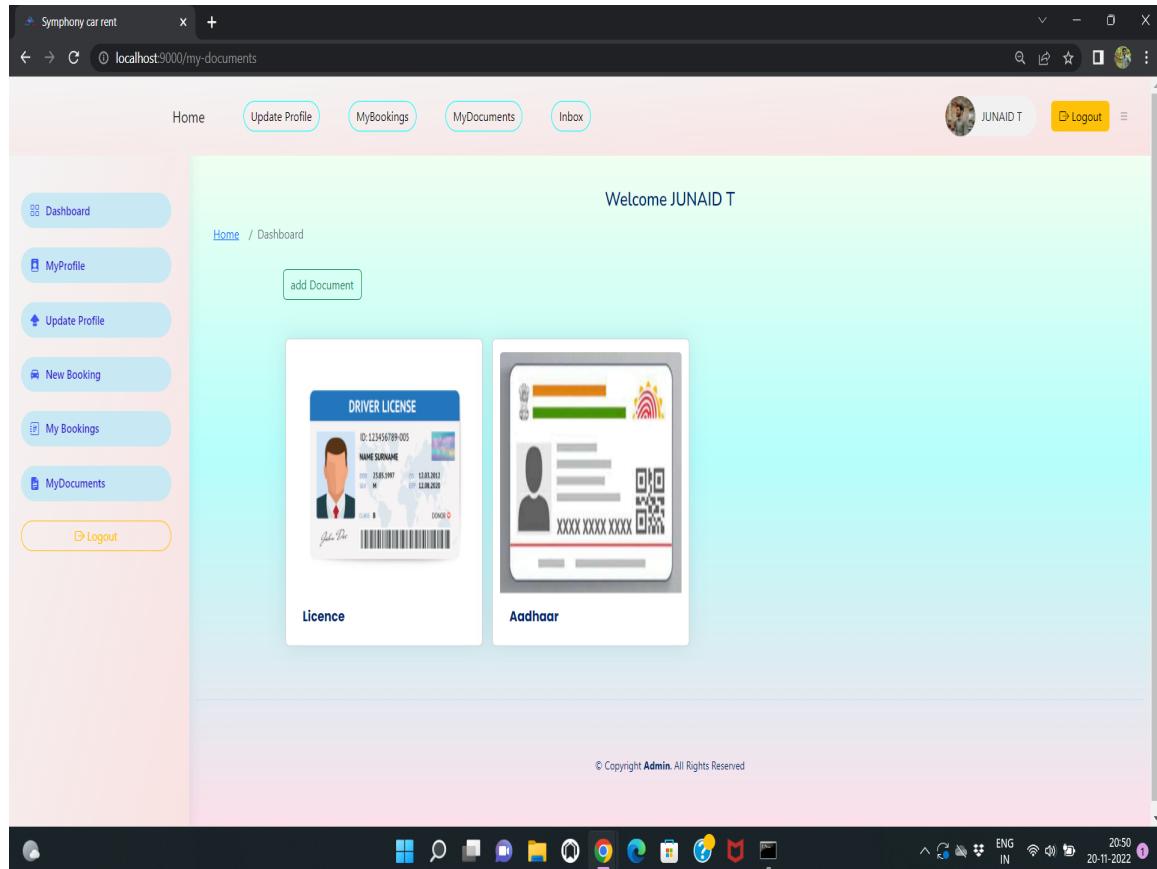


Figure 6.21: view documents

### 6.3.22 User upload document

User can upload documents through this page.

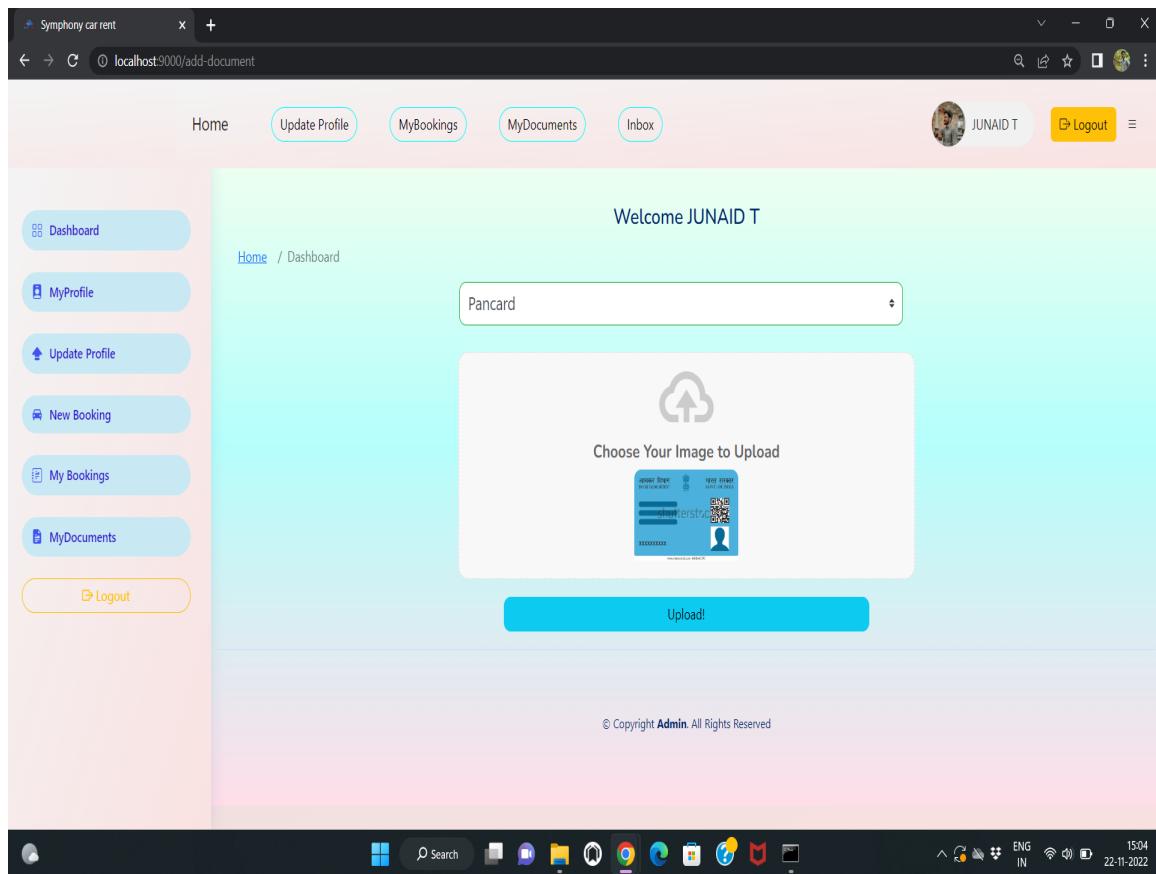


Figure 6.22: Add documents

### 6.3.23 Driver profile

Driver can view profile.

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/Driver/". The page has a blue header bar with navigation links: "Home", "Update Profile", "MyBookings", "MyDocuments", "Available" (dropdown), and "Logout". On the left, there's a sidebar for the driver "JHON" (jhon@gmail.com) with buttons for "Dashboard", "MyProfile", "Update Profile", "View Bookings", "MyDocuments", and "Available". The main content area is titled "Driver Dashboard" and shows the "User Profile" section. It displays a circular profile picture of a man, his name "JHON", and his email "jhon@gmail.com". Below this, there's a table with the following data:

Full Name	JHON
Email	jhon@gmail.com
Phone	7559935761
Gender	Male
Address	Calicut
Birthday	2000-12-12T18:30:00.000Z

At the bottom of the page, there's a footer note: "© Copyright Admin. All Rights Reserved" and a system status bar with icons for battery, signal, and date/time (20-11-2022).

Figure 6.23: Driver profile

### 6.3.24 Driver view Bookings

Driver can view all bookings made by user who select.

The screenshot shows a web browser window titled "Symphony car rent" with the URL "localhost:9000/driver/bookings". The page is titled "Driver Dashboard" and displays "All Bookings". On the left, there is a sidebar with a profile picture of "JHON" and the email "jhon@gmail.com". The sidebar includes links for "Dashboard", "MyProfile", "Update Profile", "View Bookings", "MyDocuments", "Available", and "Logout". The main content area shows a table of bookings with columns: Booking\_Id, pickup, Dropoff, Time, Car Details, Booking\_Status, and Option. The table contains 6 entries:

Booking_Id	pickup	Dropoff	Time	Car Details	Booking_Status	Option
21	Mon Nov 21 2022	Thu Nov 24 2022	Sat Nov 19 2022 15:48:00	Maruti Suzuki Swift (AT)	rejected	<button>View</button>
22	Mon Nov 21 2022	Wed Nov 23 2022	Sat Nov 19 2022 21:00:36	Maruti Suzuki Swift (AT)	Completed	<button>View</button>
25	Tue Nov 22 2022	Fri Nov 25 2022	Sat Nov 19 2022 23:08:51	Nissan Sunny (MT)	Completed	<button>View</button>
26	Mon Nov 21 2022	Wed Nov 23 2022	Sun Nov 20 2022 19:27:11	Nissan Micra	Processing	<button>View</button>
27	Wed Nov 23 2022	Sat Nov 26 2022	Sun Nov 20 2022 19:27:54	Maruti Suzuki Wagon R (MT)	success	<button>View</button>
28	Thu Nov 24 2022	Wed Nov 30 2022	Sun Nov 20 2022 19:28:50	Datsun Redi Go (AT)	success	<button>View</button>

At the bottom, there is a footer bar with various icons and the date "20-11-2022".

Figure 6.24: Driver view bookings

### 6.3.25 Driver view Booking details

Driver view each booking details deeply.

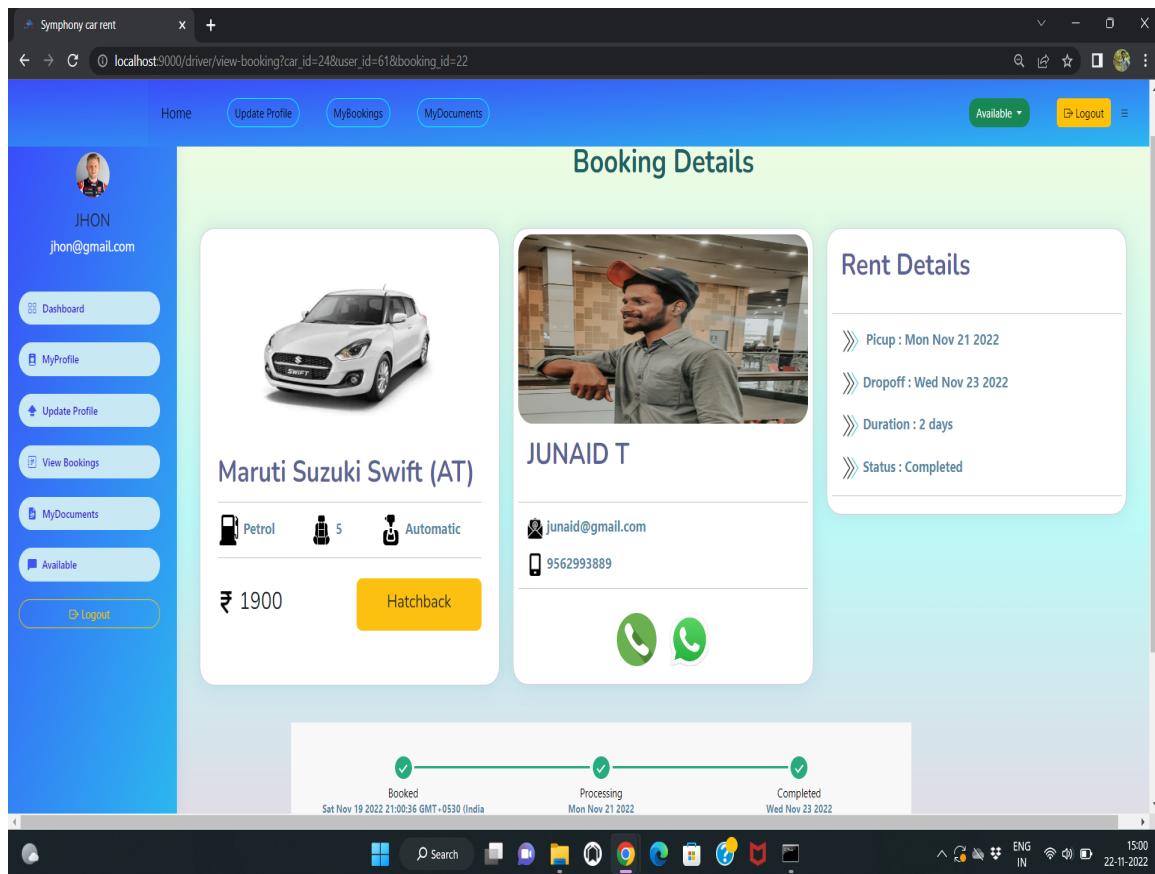


Figure 6.25: Driver view bookings