

Near Nagdev Kalyan Mandir, Near Sanand Cross Roads, Sarkhej-Gandhinagar
Highway Ahmedabad – 382210 Ph. No.: 9099063417

Master of Science – MSc IT Sem 5



L.J School of Computer Application, LJKU

Car Rental System

GROUP NO:

7

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CERTIFICATE

Enrolment No: 22004500210269

Seat No:

This is to certify that Talaviya Parth Jayesh Bhai, of Master of Science (MScIT), Semester V, Roll No 56 has satisfactorily completed his/her Project titled Car Rental System in Django under the supervision of internal guide.

Internal Guide:

Dr. Jignesh Doshi

HOD:

Dr. Jignesh Doshi

Date of Submission:

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Dr. Jignesh Doshi

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Internal Guide:

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HOD:

Dr. Jignesh Doshi

Date of Submission:

Plagiarism Declaration

To whom so ever it may concern

I/ We, the project team, confirm that this Project (document/PPT or Code) is my/our own work, is not copied from any other person's work (published or unpublished or generated using CHATGPT/AI), and has not previously submitted for assessment either at University or elsewhere. I/We confirm that I/we have read and understood the rules regulations on plagiarism in LJ University.

Enrolment no	Name	Sign
22004500210269	Talaviya Parth Jayesh Bhai	
22004500210284	Vaddoriya Rudra Mukesh Bhai	
22004500210002	Aaghara Sahil Nitesh Bhai	

Acknowledgement

We would like to take this opportunity to sincerely thank everyone who has supported us throughout the development and completion of our **Car Rental System** project. This journey has been an incredible learning experience, and we are deeply grateful to all those who contributed to its success.

First, we express our heartfelt gratitude to **Lok Jagruti Kendra University** for providing us with the platform, resources, and encouragement to undertake this project. The university's emphasis on creativity and practical application has been a constant source of inspiration.

A special thanks goes to our guide, **Dr. Jignesh Doshi**, for his constant support, expert guidance, and constructive feedback. His mentorship has been invaluable in helping us navigate challenges and enhance the quality of our work at every stage of the project.

We are also thankful to **Himanshu Sharma**, whose insights and encouragement have significantly contributed to the development of this project. His support has greatly enriched our efforts.

Additionally, we would like to thank our classmates and friends for their thoughtful suggestions and encouragement, which kept us motivated and inspired throughout the process.

Lastly, we are deeply grateful to our families for their unwavering support, patience, and love. Their encouragement has been a pillar of strength, allowing us to stay focused and committed to achieving our goals.

As students of **Integrated Master of Science, Semester 5**, this project has been a meaningful and transformative experience. It has provided us with an opportunity to apply our knowledge, learn new skills, and grow as learners. We hope our efforts reflect our dedication and serve as a foundation for future achievements.

Thank you!!

Sr. No.	TABLE OF CONTENT	Page No.
1	INTRODUCTION	6-10
	1.1 Existing System	6
	1.2 Need for the New System	6-7
	1.3 Objective of the New System	7
	1.4 Problem Definition	7
	1.5 Core Components	7-8
	1.6 Project Profile	8
	1.7 Assumption and Constraints	8-9
	1.8 Advantages and Limitation of the Proposed System	9
2	REQUIREMENT DETERMINATION & ANALYSIS	10-11
	2.1 Requirement Determination	10
	2.2 Targeted Users	11
3	SYSTEM DESIGN	13-22
	3.1 Use Case Diagram	13
	3.2 Class Diagram	17
	3.3 Interaction Diagram	15
	3.4 Activity D	14-15
	3.5 Data Dictionary	18-22
4	DEVELOPMENT	24-52
	4.1 Coding Standard	24
	4.2 Screenshots	25-52
5	AGILE DOCUMENTATION	53-60
	5.1 Agile Project Charter	53
	5.2 Agile Roadmap / Schedule	54
	5.3 Agile Project Plan	55
	5.4 Agile User Story	56
	5.5 Agile Release Plan	57
	5.6 Agile Sprint Backlog	58
	5.7 Agile Test Plan	59
	5.8 Earned - value and burn charts	60
6	PROPOSED ENHANCEMENTS	61
7	CONCLUSION	62
8	BIBLIOGRAPHY	63

1.INTRODUCTION

1.1 Existing System

This project is designed for a car rental company specializing in providing rental cars to customers through an online system. In this system, customers can view available cars, register for an account, manage their profiles, and book a car with ease.

With advancements in information technology and increased internet access, many businesses, including the car rental industry, are improving their processes to meet modern customer expectations for convenience and efficiency. Traditional systems can be manual or outdated, resulting in inefficiencies such as tracking availability, inaccurate inventory management, or delayed customer service.

The E-Car Rental System addresses these limitations by providing the following services:

- **Browse Cars:** Customers can see all available cars for rent, with details about each vehicle.
- **User Registration:** Customers can create accounts to manage their bookings and track their rental history.
- **Profile Management:** Customers can view and update their profiles.
- **Car Booking:** Customers can book cars online, allowing for a fast, efficient experience.

This system aims to make the car rental process smoother and more efficient for both the company and its customers, providing real-time information and streamlining communication.

1.2 Need For the New System

As the car rental industry evolves, customers expect more convenience, efficiency, and service quality. Existing manual or outdated systems often result in long wait times, booking errors, and frustration. There is a clear need for a modern, online system that allows customers to view available cars, book rentals, and manage their profiles. Additionally, the system will reduce operational costs, eliminate redundant processes, and improve customer satisfaction and trust through a seamless, automated experience.

1.3 Objective of the New System

The primary objectives of the new E-Car Rental System include:

- **Ease of Use:** Provide a user-friendly platform where customers can quickly browse and rent cars online.
- **Automation:** Streamline booking, payments, and profile management to reduce manual work.
- **Real-Time Information:** Offer up-to-date car availability, pricing, and booking status for customers.
- **Data Management:** Enable effective management of rental data, customer profiles, and transaction history.
- **Security:** Ensure secure processing of customer data and payments to maintain trust.

1.4 Problem Definition

Current car rental systems are often inefficient, leading to a poor user experience for both customers and rental companies. Customers may face difficulties finding available cars, encounter long wait times for booking, and struggle to manage reservations. Meanwhile, rental companies face challenges in tracking vehicle inventory and processing bookings accurately, leading to double bookings or lost sales. There is a pressing need for a centralized online system that addresses these issues and improves the overall experience for users.

1.5 Core Components

The E-Car Rental System will include the following core features:

- **User Registration:** Allows customers to create and manage their accounts.
- **Car Inventory Management:** Provides a way to view, add, update, and manage available cars.
- **Booking System:** Enables customers to book cars online, with real-time availability.
- **Payment Processing:** Facilitates secure online payments(Via QR Code or Card System) for rentals.
- **Admin Dashboard:** Equips administrators with tools to manage bookings, view reports, track payments, and monitor inventory.
- **Reports and Analytics:** Offers insights on bookings, payment statuses, and customer data to help the company make data-driven decisions.

1.6 Project Profile

The project is called the E-Car Rental System. It will use technologies like Python and Django for the backend and HTML, CSS, and JavaScript for the frontend. The target users include customers looking to rent cars and administrators managing the rental operations. The system aims to provide a seamless and efficient car rental experience.

Component	Details
Project Name	E-Car Rental System
Developed by	Parth Jayesh Bhai Talaviya Sahil Nitesh Bhai Aaghara Rudra Mukesh Bhai Vaddoriya
Front-End	HTML, CSS, JavaScript, Bootstrap, .NET
Back-End	Python, Django
Server	http://127.0.0.1:4344/ , http://127.0.0.1:1234/
Tools	Visual Studio Code, DB Browser for SQLite, Draw.io for diagram creation
Deployment	Cloud-based deployment (future goal for scalability and accessibility)

1.7 Assumption and Constraints

Assumptions:

- Users will have access to the internet and can use a web browser to book rentals.
- Customers are familiar with using online booking systems.
- The system is designed to handle a reasonable transaction volume.

Constraints:

- Budget limitations may impact the scope or timeline.
- The project has a fixed timeline for completion.
- Security is critical, especially for payment processing and customer data protection.
- The system must comply with relevant data protection laws.

1.8 Advantages and Limitation of the Proposed System

Advantages:

- The new system enhances customer satisfaction by streamlining the booking process.
- It reduces operational errors and increases efficiency in car inventory management.
- Real-time updates prevent double bookings and enhance customer trust.
- Automated processes save time for both customers and staff.

Limitations:

- Initial development costs may be high.
- System reliability depends on internet connectivity.
- Security risks must be continuously managed to protect customer data and payment information.

2. REQUIREMENT DETERMINATION & ANALYSIS

2.1 Requirement Determination

This phase identifies the essential features and functionalities of the E-Car Rental System. Requirements are categorized into:

1. Functional Requirements:

- **User Registration:** Customers should be able to create accounts to manage their bookings and profile information.
- **Car Inventory:** The system must display available cars with details like make, model, price, and availability status.
- **Booking System:** Customers can select a car, choose rental dates, and complete the booking online.
- **Payment Processing:** Secure online payment options are required to facilitate rental payments.
- **Admin Management:** Administrators need tools to add, update, or remove cars, manage bookings, and view reports.
- **Notifications:** System should send booking confirmations and reminders to customers via email or SMS.
- **Reports:** Admins should be able to generate insights on bookings, payment statuses, and other metrics.

2. Non-Functional Requirements:

- **Usability:** The interface should be intuitive, user-friendly, and accessible, following accessibility standards (e.g., WCAG).
- **Performance:** The system should load quickly and handle multiple users concurrently without lag.
- **Security:** Ensure customer data, including payment information, is protected from unauthorized access.

- **Scalability:** The system should be able to accommodate growth, such as adding more cars, features, or expanding to new locations.
- **Backup & Recovery:** The system must have regular data backups to ensure recovery in case of data loss.

2.2 Targeted Users

The E-Car Rental System is designed for two primary user groups:

Customers

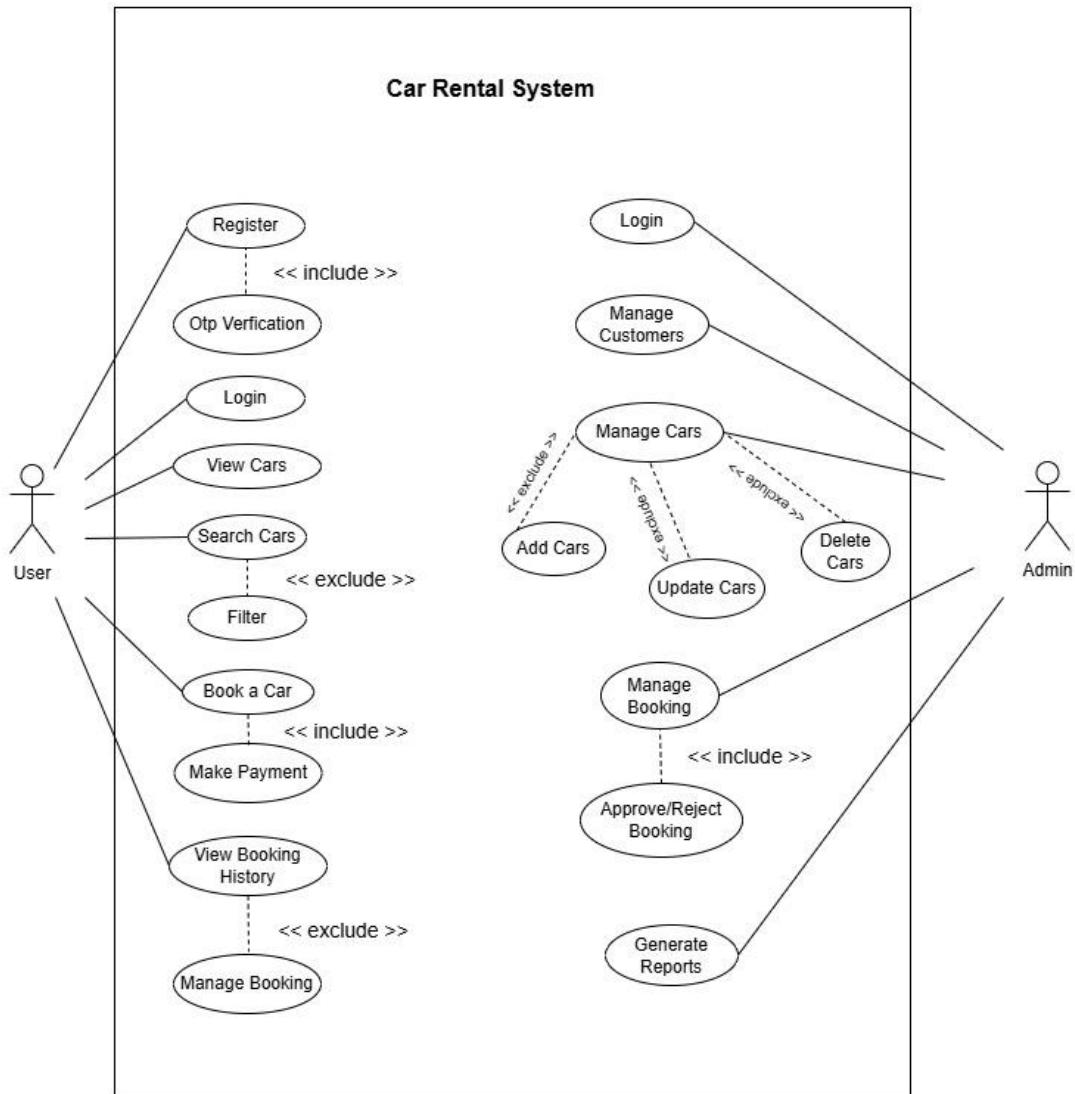
- Individuals or businesses seeking car rentals for personal or commercial purposes.
- They can browse available cars, view details, register for an account, manage bookings, and make secure payments online.

Administrators

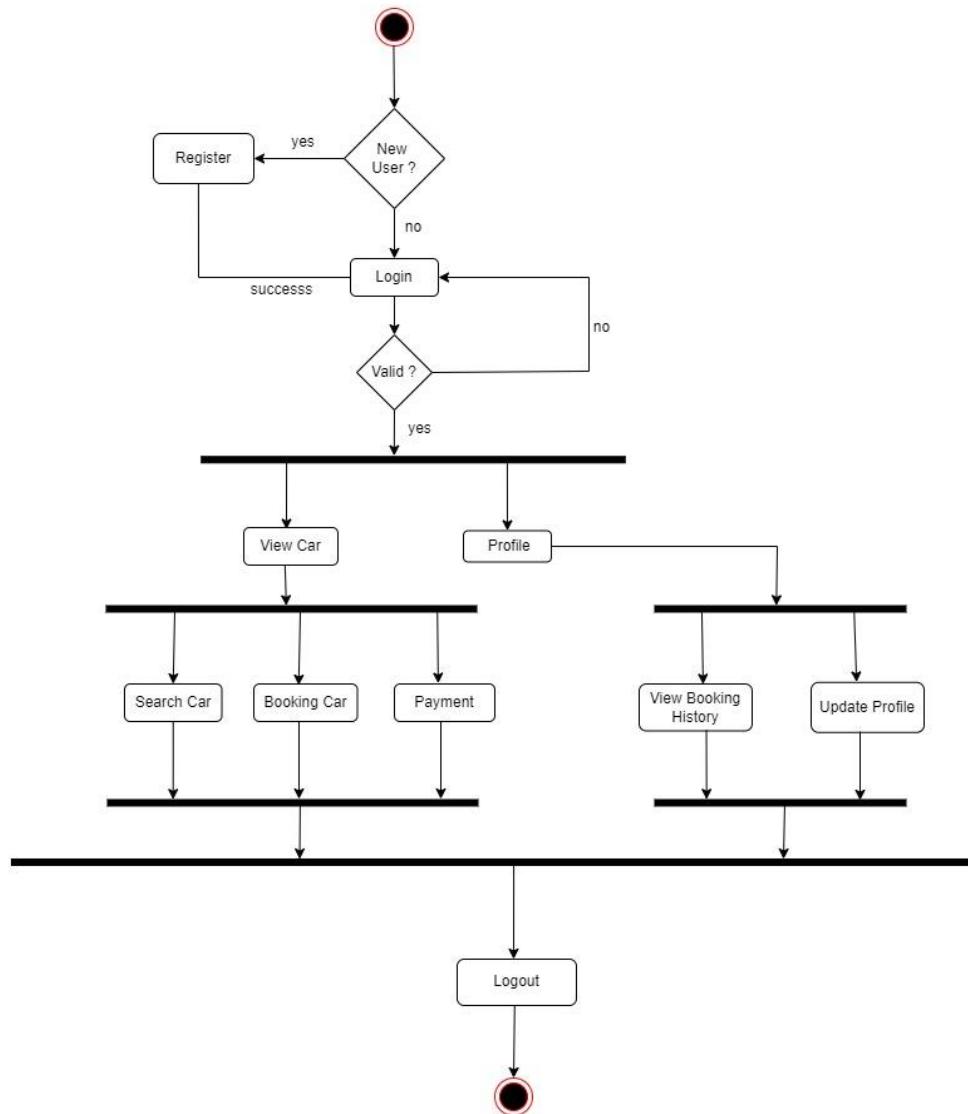
- Staff members managing the rental company's operations, responsible for:
 - Vehicle inventory management (adding, updating, removing cars).
 - Handling bookings, confirming reservations, and managing changes.
 - Providing customer support as needed.
 - Tracking payments and generating reports on rentals and transactions.

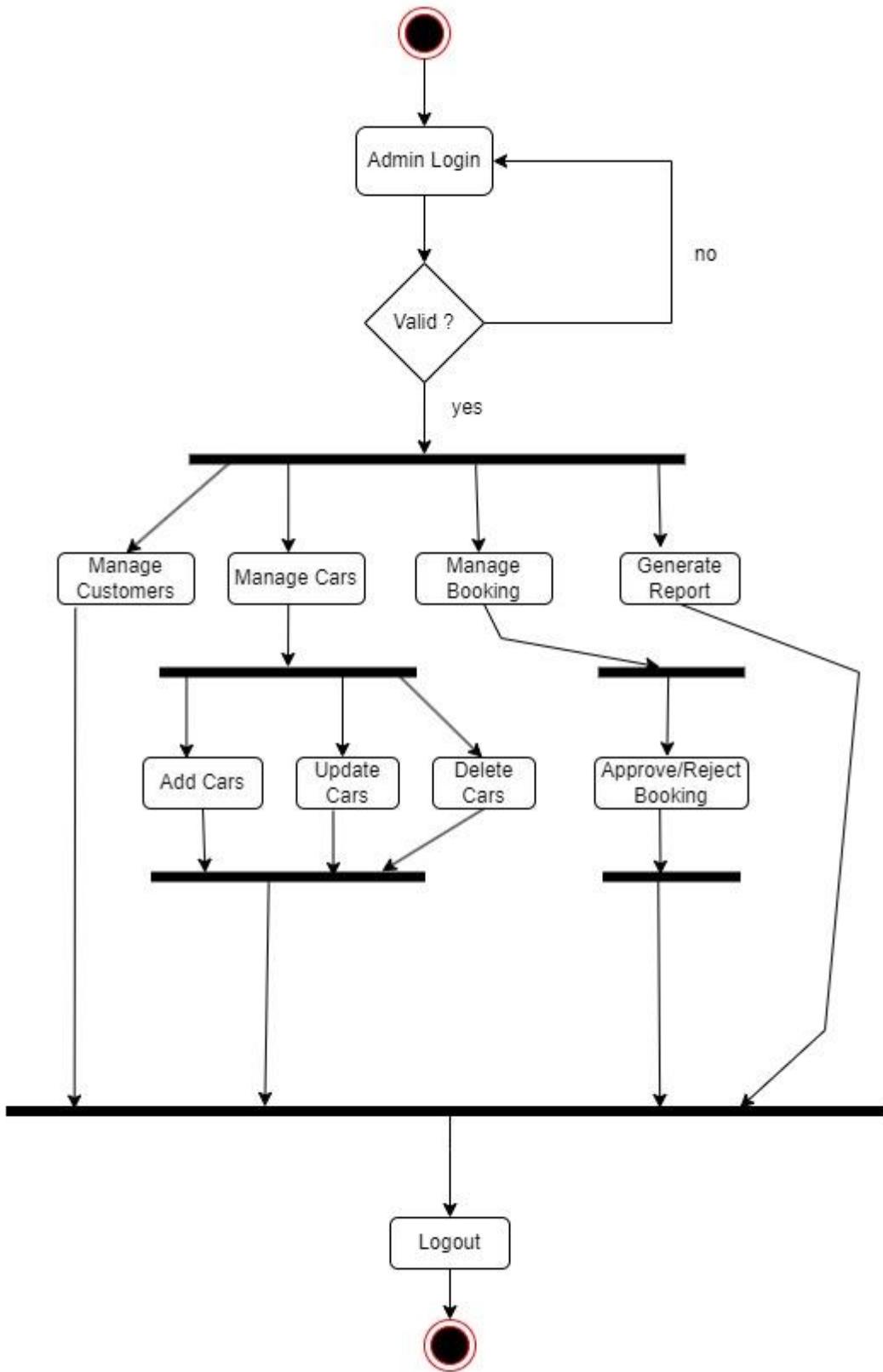
3.SYSTEM DESIGN

3.1 Use Case Diagram

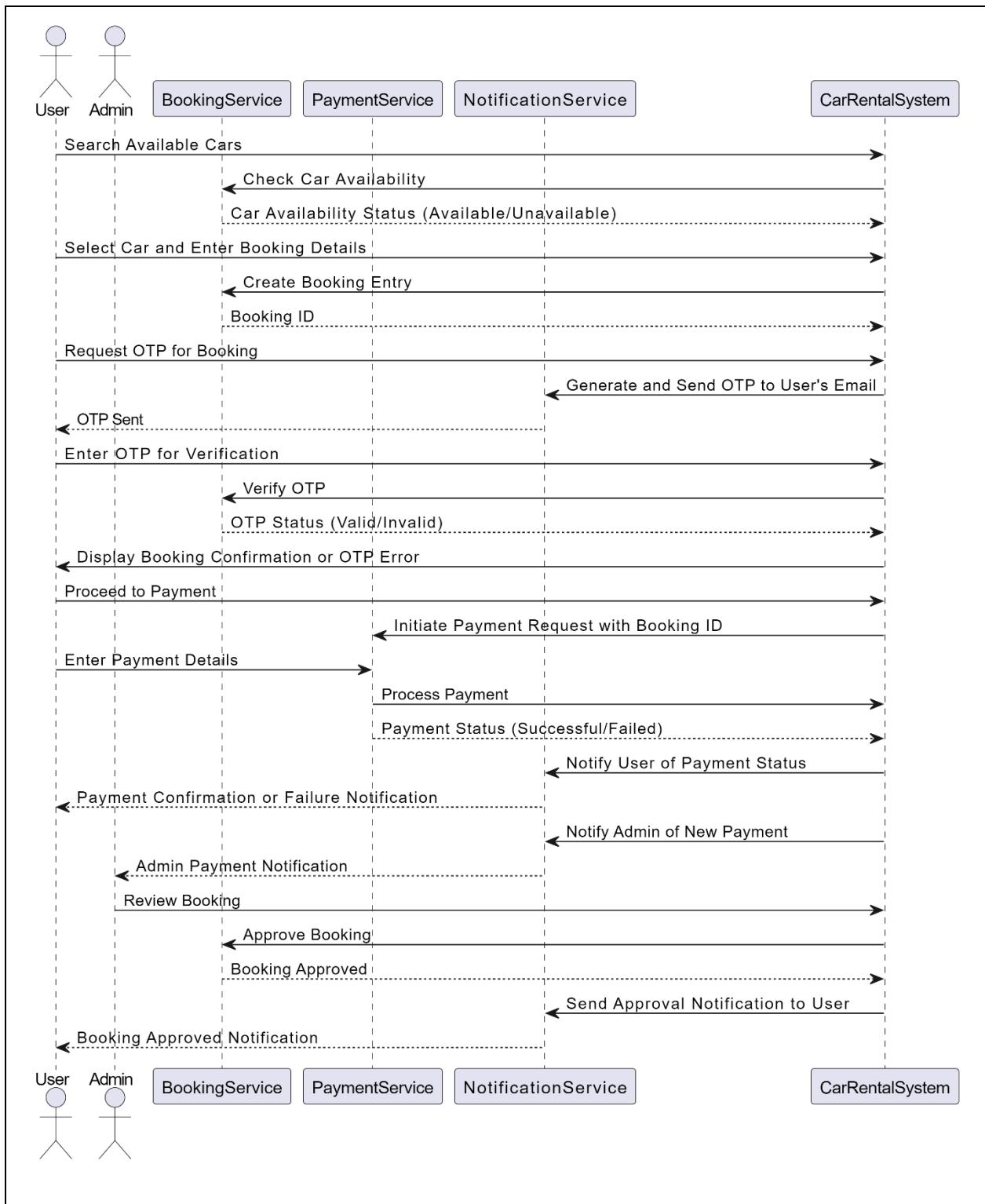


3.4 Activity Diagram

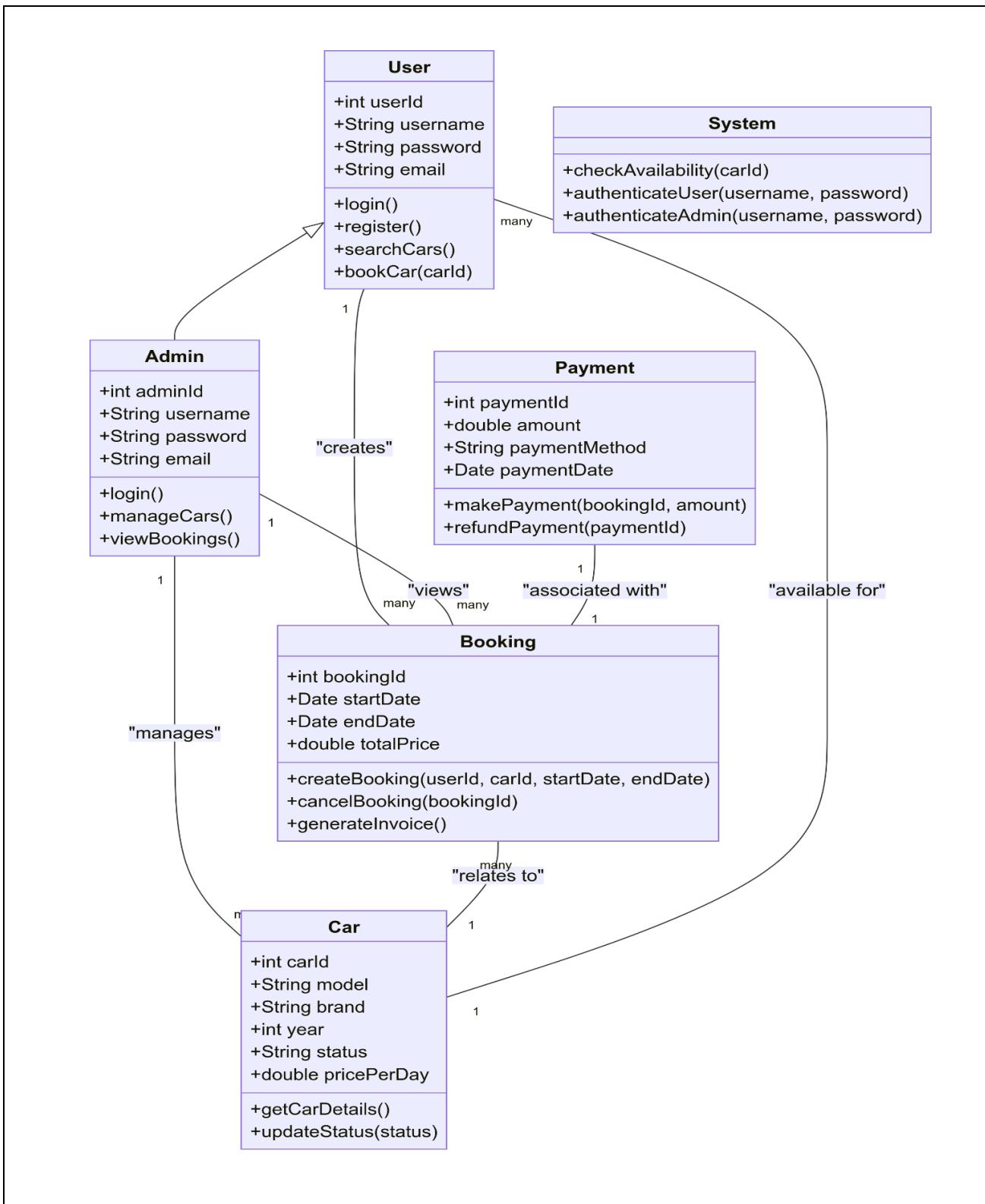




3.3 Interaction Diagram



3.2 Class Diagram



3.5 Data Dictionary

1. Table: django_migrations

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Auto-incrementing ID for each migration	1
app	varchar(255)	None	NOT NULL	Name of the app where migration belongs	auth
name	varchar(255)	None	NOT NULL	Name of the migration file	0001_initial
applied	datetime	None	NOT NULL	Timestamp of when migration was applied	2024-08-15 12:34:56

2. Table: sqlite_sequence

Field Name	Data Type	Field Size	Constraint	Description	Example
name	TEXT	None	UNIQUE	Name of the table with auto-incrementing ID	carRental_vehicles
seq	INTEGER	None	None	Last sequence value used	10

3. Table: auth_group

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique group ID	1
name	varchar(150)	None	UNIQUE	Name of the group	Admin

4. Table: auth_group_permissions

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique ID for each permission	1
group_id	INTEGER	None	FOREIGN KEY(auth_group.id)	Group associated with permission	1
permission_id	INTEGER	None	FOREIGN KEY(auth_permission.id)	ID of the granted permission	3

5. Table: auth_permission

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique permission ID	3
name	varchar(255)	None	NOT NULL	Permission name	Can add user
content_type_id	INTEGER	None	FOREIGN KEY(django_content_type.id)	Associated content type	1
codename	varchar(100)	None	NOT NULL	Internal code name	add_user

6. Table: auth_user

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique ID for each user	1
password	varchar(128)	None	NOT NULL	Hashed user password	P@RTH.08
last_login	datetime	None	NULL	Timestamp of last login	2024-08-16 10:20:30

Field Name	Data Type	Field Size	Constraint	Description	Example
is_superuser	BOOLEAN	None	NOT NULL	Indicates if user is admin	True
username	varchar(150)	None	UNIQUE	Username	admin
first_name	varchar(150)	None	NOT NULL	User's first name	PARTH
last_name	varchar(150)	None	NOT NULL	User's last name	PATEL
email	varchar(254)	None	NOT NULL	User's email	talaviyaparth07@gmail.com
is_staff	BOOLEAN	None	NOT NULL	Indicates if user can access admin site	True
is_active	BOOLEAN	None	NOT NULL	Indicates if user is active	True
date_joined	datetime	None	NOT NULL	Timestamp of account creation	2024-08-16 08:00:00

7. Table: auth_user_groups

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique ID for each association	1
user_id	INTEGER	None	FOREIGN KEY(auth_user.id)	Associated user ID	1
group_id	INTEGER	None	FOREIGN KEY(auth_group.id)	Associated group ID	1

8. Table: auth_user_user_permissions

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique ID for association	1
user_id	INTEGER	None	FOREIGN KEY(auth_user.id)	Associated user	1

Field Name	Data Type	Field Size	Constraint	Description	Example
permission_id	INTEGER	None	FOREIGN KEY(auth_permission.id)	Associated permission	3

9. Table: carRental brands

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique brand ID	1
name	varchar(100)	None	NOT NULL	Brand name	Toyota

10. Table: carRental booking

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique booking ID	1
user_id	INTEGER	None	FOREIGN KEY(auth_user.id)	User making the booking	1
VehicleId_id	INTEGER	None	FOREIGN KEY(carRental_vehicles.id)	Booked vehicle	1
StartDate	date	None	NOT NULL	Start date of booking	2024-09-10
EndDate	date	None	NOT NULL	End date of booking	2024-09-15
PostingDate	date	None	NOT NULL	Date of booking	2024-09-05
LastUpdationDate	date	None	NULL	Last update to booking	2024-09-06
PaymentStatus	varchar(50)	None	NOT NULL	Payment status of booking	Paid
invoice	varchar(100)	None	UNIQUE	Invoice number	INV-20240905-001

11. Table: carRental_contactusinfo

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique contact ID	1
address	varchar(255)	None	NOT NULL	Contact address	Ahmedabad
email	varchar(100)	None	NOT NULL	Contact email address	rideonrentt@gmail.com
phone	varchar(15)	None	NOT NULL	Contact phone number	+91 9824682710

12. Table: carRental_contactusquery

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique query ID	1
name	varchar(100)	None	NOT NULL	Name of contact	Parth
email	varchar(100)	None	NOT NULL	Email of contact	talaviyaparth07@gmail.com
subject	varchar(200)	None	NOT NULL	Subject of query	Rental Inquiry
message	text	None	NOT NULL	Query message	okk

13. Table: carRental_userdetails

Field Name	Data Type	Field Size	Constraint	Description	Example
id	INTEGER	None	PRIMARY KEY	Unique user details ID	1
user_id	INTEGER	None	FOREIGN KEY(auth_user.id)	Associated user	1
address	varchar(255)	None	NOT NULL	User address	Sonal Park part-1 382345
phone	varchar(15)	None	NOT NULL	User phone number	+91 9824682715
date_of_birth	date	None	NULL	User's date of birth	2005-08-10

4.DEVELOPMENT

4.1 Coding Standard

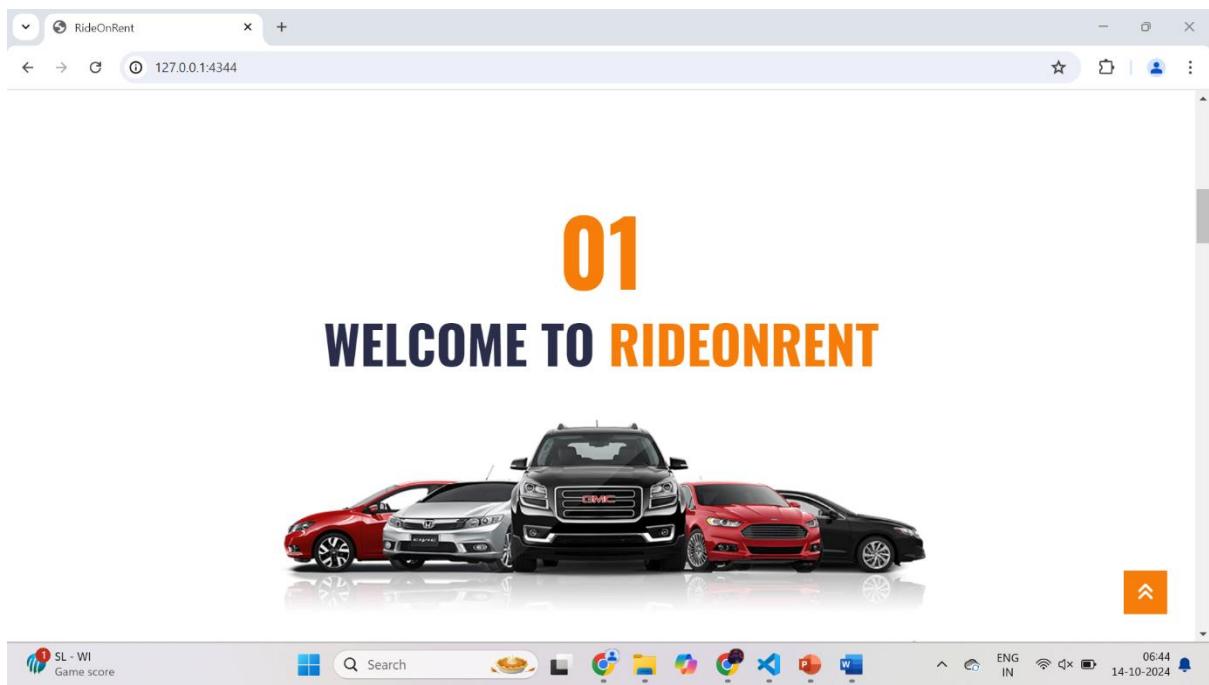
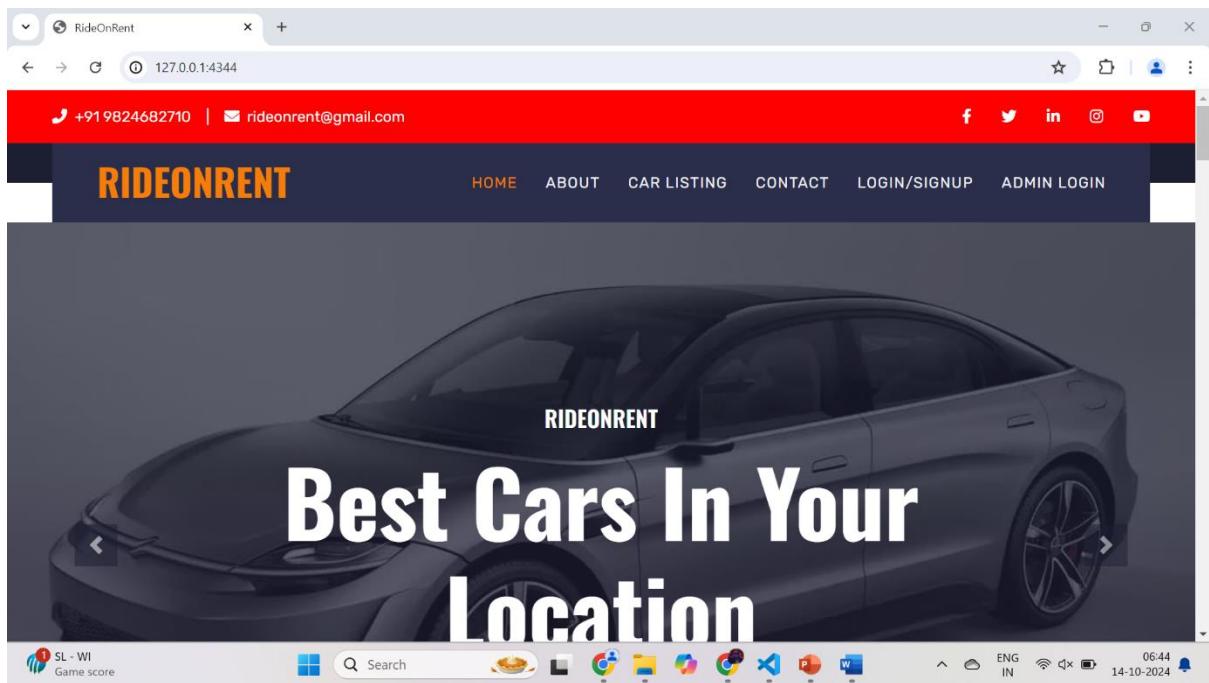
Maintaining a consistent coding standard is critical for the readability, reliability, and maintainability of the Car Rental Management System. We follow the PEP 8 guidelines for Python code, ensuring that our syntax is clear and consistent.

Key practices include:

- Naming Conventions:
 - Variable and function names use snake case to ensure clarity and consistency.
 - Class names use CamelCase to distinguish them from other identifiers.
- Commenting and Documentation:
 - Extensive use of comments and docstrings to explain the purpose of functions, classes, and important code sections.
 - Documentation is used to describe the functionality, parameters, and expected outputs of functions and methods.
- Modularity:
 - The code is organized into modular components. Functions and classes encapsulate specific logic, making the code more reusable and maintainable.
- Code Reviews:
 - We conduct regular code reviews to ensure adherence to coding standards and to identify opportunities for improvement. This collaborative process helps in catching issues early and maintaining consistency across the project.

By adhering to these standards, we ensure that the system is scalable, maintainable, and easy to understand for both current and future developers.

4.2 Screenshots



At RideOnRent, we provide top-notch car rental services tailored to your needs. Whether you're looking for short-term rentals, long-term leasing, or premium cars for special occasions, we ensure that every ride is a smooth and pleasant experience. Our diverse fleet of well-maintained vehicles and customer-centric approach set us apart in the car rental industry.

24/7 CAR RENTAL PORTAL SUPPORT

CAR RESERVATION ANYTIME

LOTS OF PICKUP LOCATIONS

02 OUR SERVICES

01 CAR RENTAL
We offer a wide range of vehicles for rent, ensuring you have the perfect car for your travel needs, whether for business or leisure.

02 CAR FINANCING
We provide flexible car financing options that cater to different budgets, making it easier for you to drive away in the car you need.

03 CAR INSPECTION
All our vehicles undergo thorough inspections to ensure they are in top condition before being rented out to our customers.

RideOnRent 127.0.0.1:4344

rent, ensuring you have the perfect car for your travel needs, whether for business or leisure.

that cater to different budgets, making it easier for you to drive away in the car you need.

inspections to ensure they are in top condition before being rented out to our customers.

04

AUTO REPAIRING

We offer auto repair services to keep your vehicle in excellent shape, ensuring a smooth ride for every journey.

05

AUTO PAINTING

Our professional auto painting services will give your vehicle a fresh and appealing look.

06

AUTO CLEANING

We offer comprehensive auto cleaning services to keep your vehicle spotless inside and out.

25°C Partly sunny 06:44 ENG IN 14-10-2024

RideOnRent 127.0.0.1:4344

FIND YOUR CAR

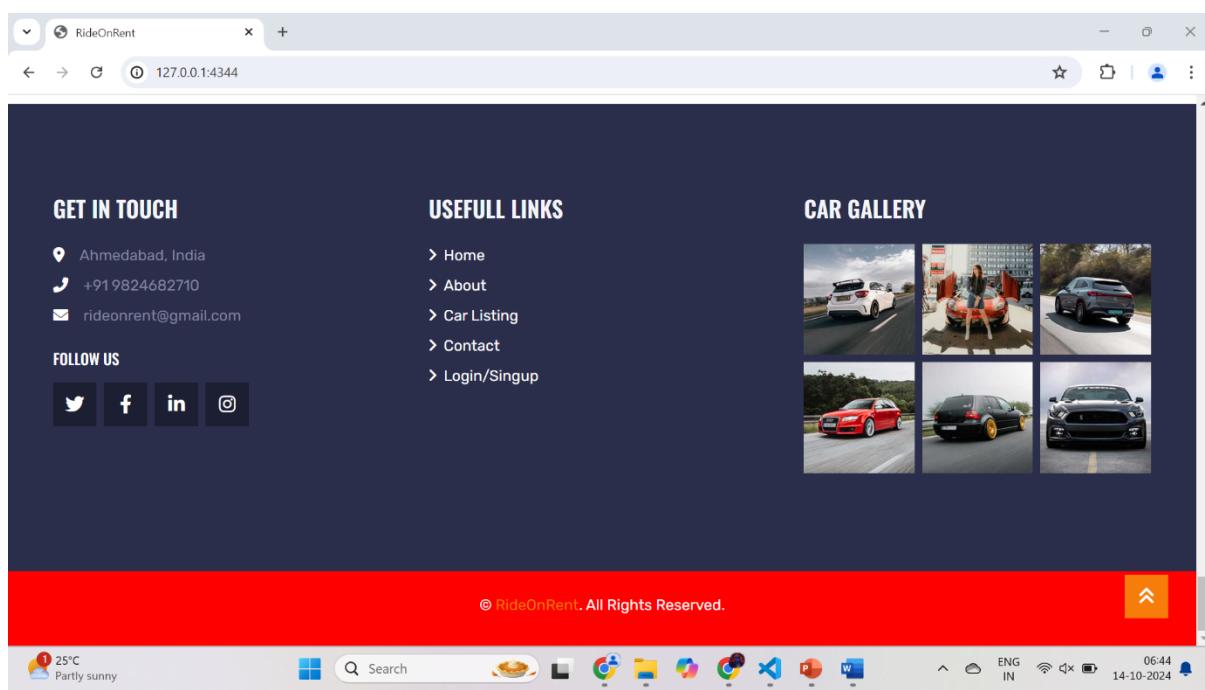
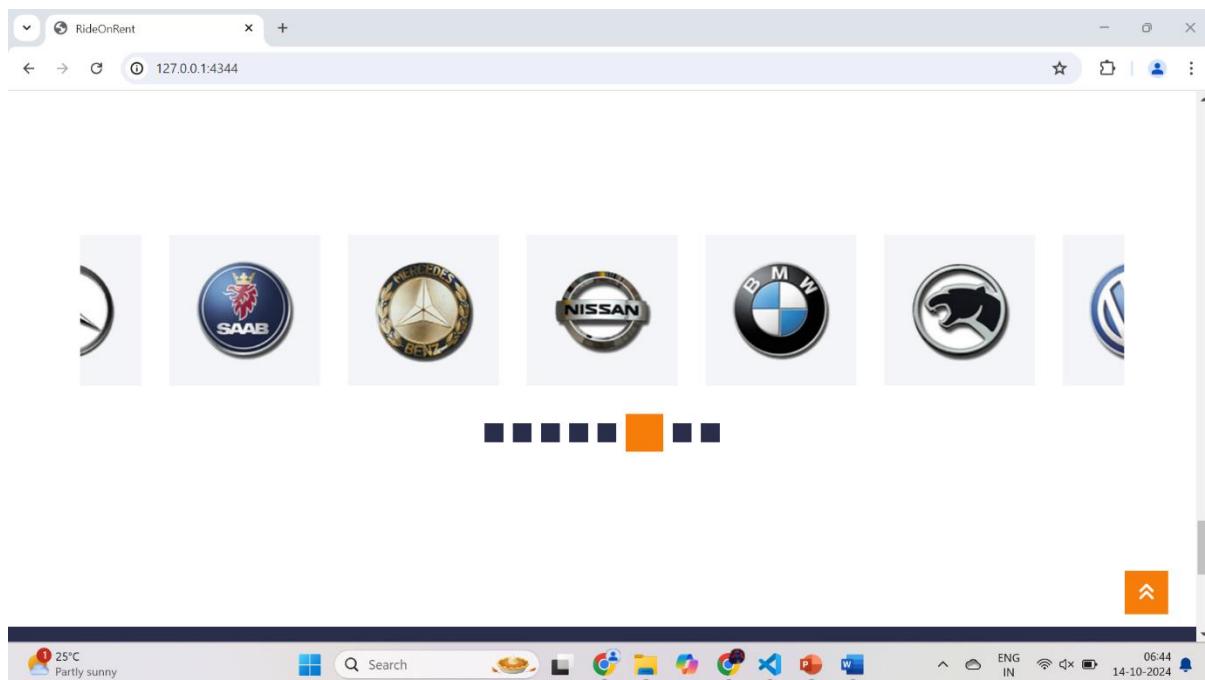
WANT TO BE DRIVER?

Join our team and start earning by driving with RideOnRent. Flexible schedules and great benefits await you!

LOOKING FOR A CAR?

Explore our wide range of vehicles available for rent at competitive prices. Find the perfect car for your needs today!

25°C Partly sunny 06:44 ENG IN 14-10-2024



Screenshot of the RideOnRent website homepage.

The header features a red bar with the phone number +919824682710 and email rideonrent@gmail.com. Below it is a dark blue navigation bar with links for HOME, ABOUT, CAR LISTING, CONTACT, LOGIN/SIGNUP, and ADMIN LOGIN. A search bar at the top includes dropdowns for "Select Brand" and "Select Fuel Type" and an orange "Search" button.

FIND YOUR CAR

Three car thumbnails are displayed:

- A red Maruti Alto.
- A black Mahindra XUV300.
- A grey Mahindra Thar.

The system tray shows the date 14-10-2024, time 06:49, and weather 25°C Partly sunny.

Screenshot of the RideOnRent website showing car listings.

The top navigation bar includes a search bar with the placeholder "Search" and a dropdown for "Select Fuel Type".

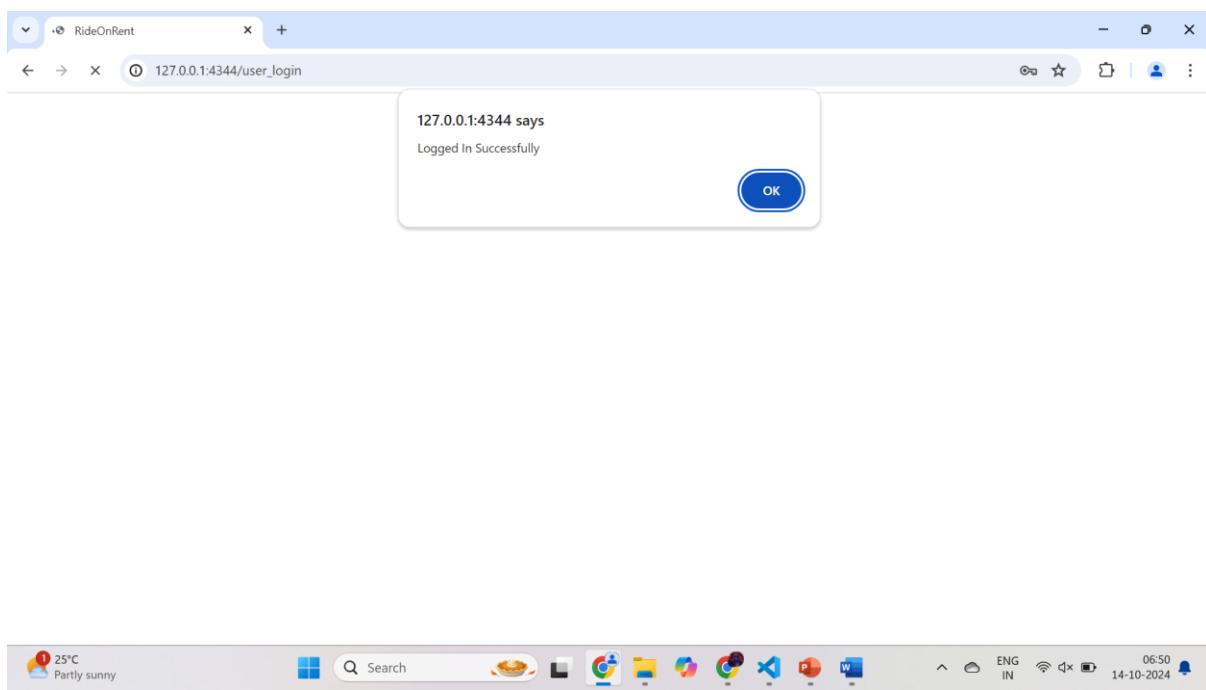
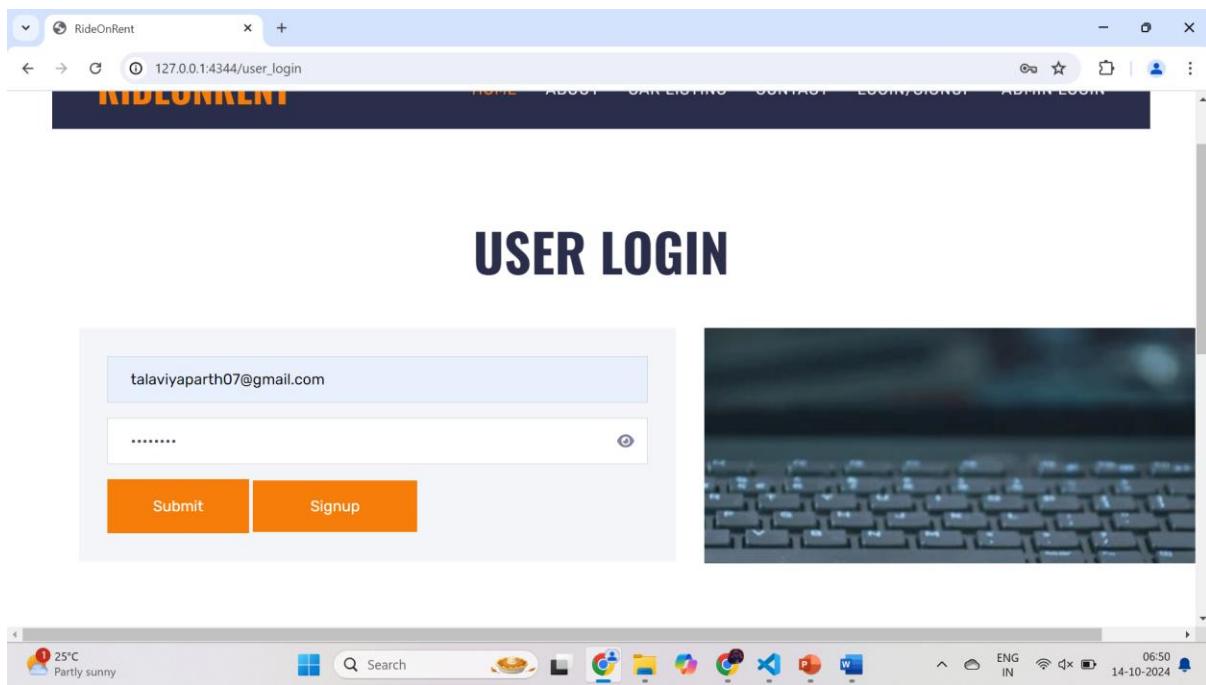
Three car cards are listed:

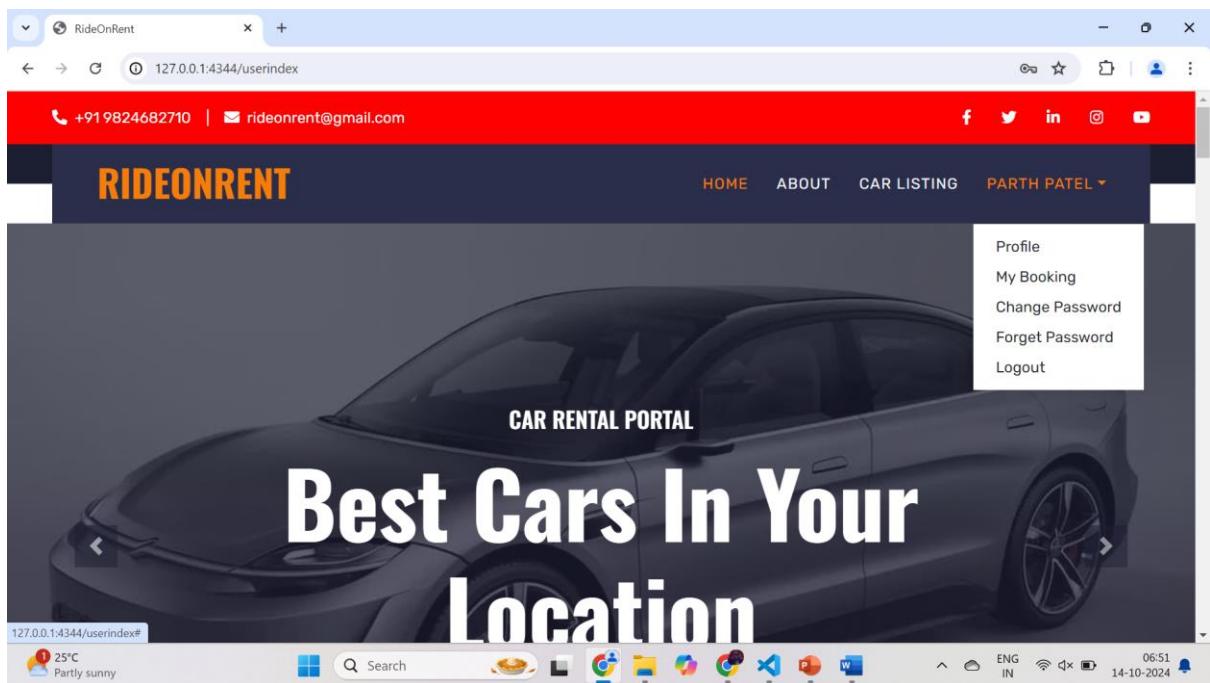
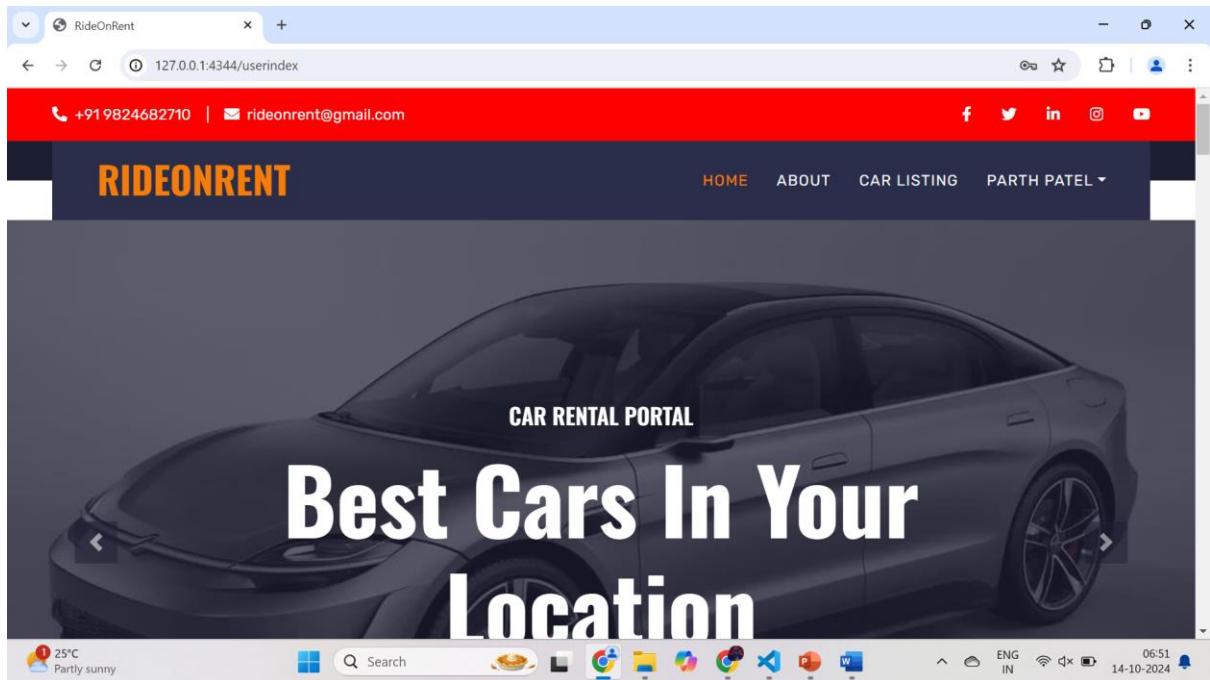
- TOYOTA FORTUNER**: Image of a black Toyota Fortuner. Details: 2023Model, Diesel, 7Seater. Price: 11000 ₹/Day.
- TOYOTA INNOVA CRYSTA**: Image of a white Toyota Innova Crysta. Details: 2023Model, Diesel, 7Seater. Price: 8200 ₹/Day.
- TOYOTA URBAN CRUISER**: Image of a red Toyota Urban Cruiser. Details: 2023Model, Petrol, 5Seater. Price: 9200 ₹/Day.

The system tray shows the date 14-10-2024, time 06:49, and weather 25°C Partly sunny.

The screenshot shows a web browser window for 'RideOnRent' at the URL 127.0.0.1:4344/carDetails/9. The main content is a car listing for a 'TOYOTA, TOYOTA FORTUNER'. It includes a front view of the car, a side view, and two interior views. Key details listed are: Model: 2023, Fuel Type: Diesel, Capacity: 7 Seat, and Price: 11000/day. Below the car images are links for 'Overview' and 'Accessories'. To the right, a dark blue 'Book Now' overlay box contains fields for 'dd-mm-yyyy' (date), a message area, and an orange 'Login for Book' button. The system tray at the bottom shows weather (25°C, Partly sunny), system icons, and the date/time (14-10-2024, 06:49).

The screenshot shows a web browser window for 'RideOnRent' at the URL 127.0.0.1:4344/user_login. The header features the 'RIDEONRENT' logo and navigation links for HOME, ABOUT, CAR LISTING, CONTACT, LOGIN/SIGNUP, and ADMIN LOGIN. The main content is a 'USER LOGIN' form with fields for 'Enter Email Id' and 'Enter Password', and buttons for 'Submit' and 'Signup'. To the right of the form is a blurred background image of a computer keyboard. The system tray at the bottom shows weather (25°C, Partly sunny), system icons, and the date/time (14-10-2024, 06:50).

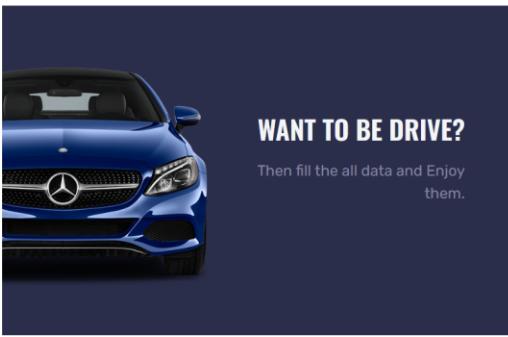




RideOnRent

127.0.0.1:4344/myProfile

YOUR PROFILE



WANT TO BE DRIVE?
Then fill the all data and Enjoy them.

Parth	Patel
8128984596	10-08-2005
talaviyaparth07@gmail.com	
India	Ahmedabad
Sonal Park Society, Ahmedabad 382345	

Update

25°C Partly sunny

Search

ENG IN 06:51 14-10-2024

RideOnRent

127.0.0.1:4344/myBooking/

MY BOOKING

#	Booking No.	Vehicle	From Date	To Date	Status	Booking Date	Action
1	25762591	Mahindra Thar	Aug. 27, 2024	Aug. 29, 2024	Confirm	Aug. 26, 2024, 5:47 a.m.	 

GET IN TOUCH

USEFUL LINKS

CAR GALLERY

25°C Partly sunny

Search

ENG IN 06:51 14-10-2024

RideOnRent 127.0.0.1:4344/mybookingDtls/1

MY BOOKING DETAILS

Welcome, talaviyaparth07@gmail.com!

Name	Parth Patel		
Booking No	25762591		
Brand	Mahindra	Vehicle Name	Mahindra Thar
From Date	Aug. 27, 2024	To Date	Aug. 29, 2024
Message	ok	Status	Confirm
Total Days	2	Rent/Day	4400
Grand Total			8800 ₹

Pay with PayPal

[Pay Now](#)

[Print Booking Receipt](#)

25°C Partly sunny 06:52 14-10-2024

RideOnRent 127.0.0.1:4344/mybookingDtls/1

Name
Booking No
Brand
From Date
Message
Total Days

Name	Parth Patel		
Booking No	25762591		
Brand	Mahindra	Vehicle Name	Mahindra Thar
From Date	Aug. 27, 2024	To Date	Aug. 29, 2024
Message	ok	Status	Confirm
Total Days	2	Rent/Day	4400
Grand Total			8800 ₹

Print 1 page

Destination [Save as PDF](#)

Pages All

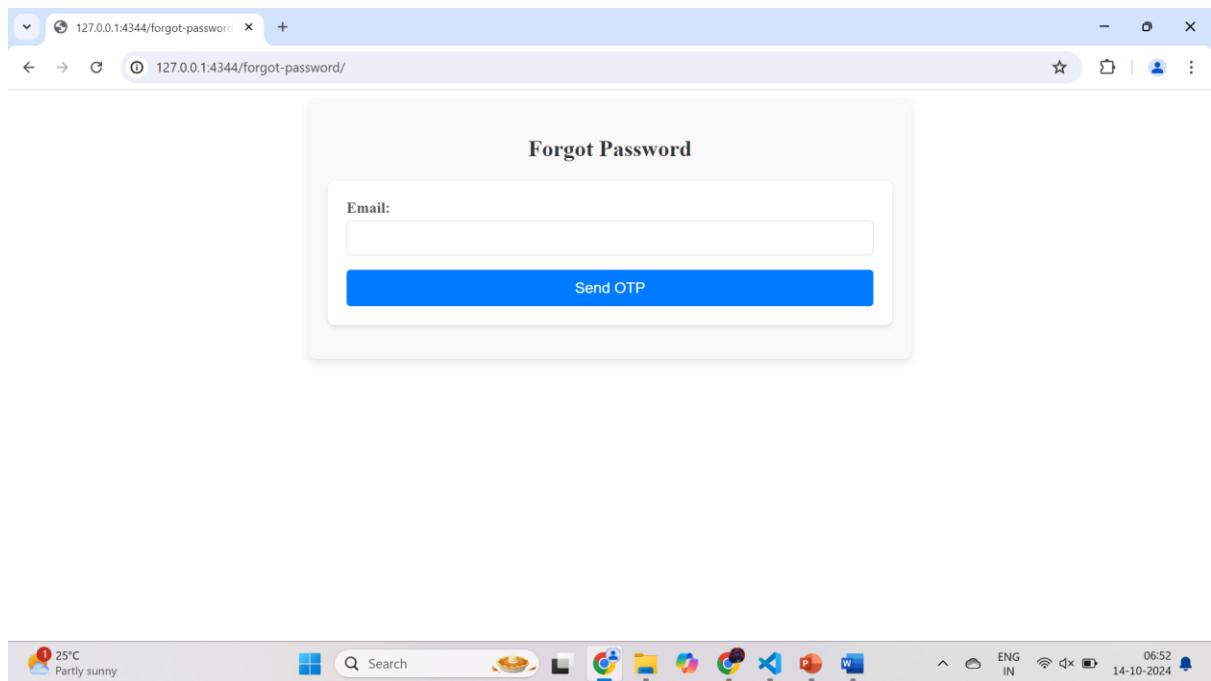
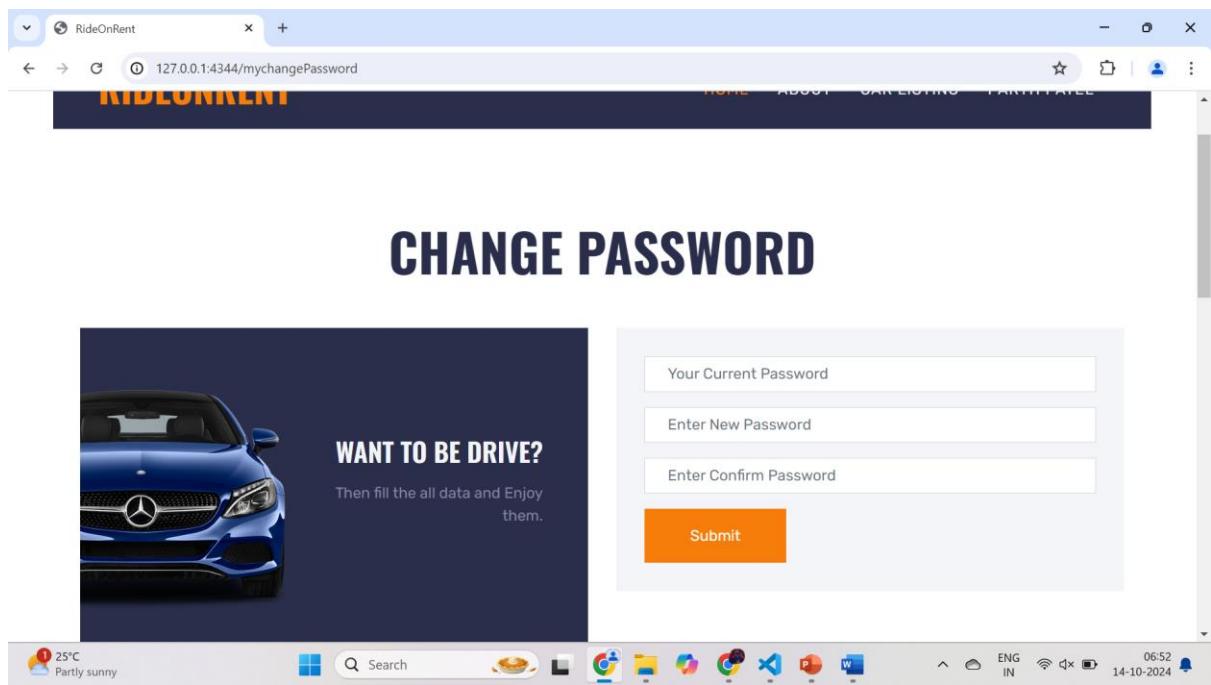
Pages per sheet 1

Margins Default

Options Headers and footers Background graphics

Save Cancel

25°C Partly sunny 06:52 14-10-2024



RideOnRent

127.0.0.1:4344/myBooking/update/1/

RIDEONRENT

UPDATE BOOKING

Vehicle
Mahindra Thar

From Date
27-08-2024

Previous booking from date: 2024-08-27

To Date
29-08-2024

Previous booking to date: 2024-08-29

Update Booking



RideOnRent

127.0.0.1:4344/myBooking/

127.0.0.1:4344 says
Are you sure you want to cancel this booking? This action cannot be undone.

OK Cancel

#	Booking No.	Vehicle	From Date	To Date	Status	Booking Date	Action
1	25762591	Mahindra Thar	Aug. 27, 2024	Aug. 29, 2024	Confirm	Aug. 26, 2024, 5:47 a.m.	



RideOnRent 127.0.0.1:4344/signup

SIGNUP FORM



WANT TO BE DRIVE?
Then fill the all data and Enjoy them.

Your First Name	Your Last Name
Your Contact Number	Your Date of Birth
Your Email	Your Password
Your Country	Your City
Your Address	
<input type="button" value="Submit"/>	

25°C Partly sunny 06:53 14-10-2024

RideOnRent 127.0.0.1:4344/admin_login

+919824682710 | rideonrent@gmail.com

RIDEONRENT

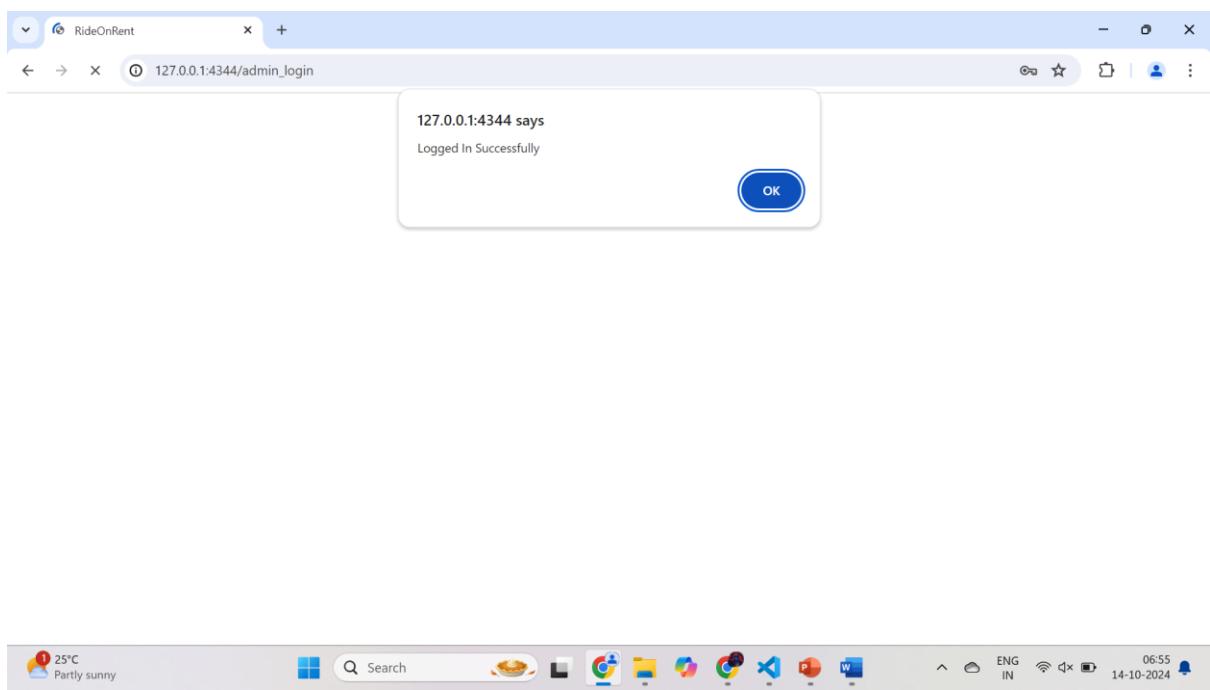
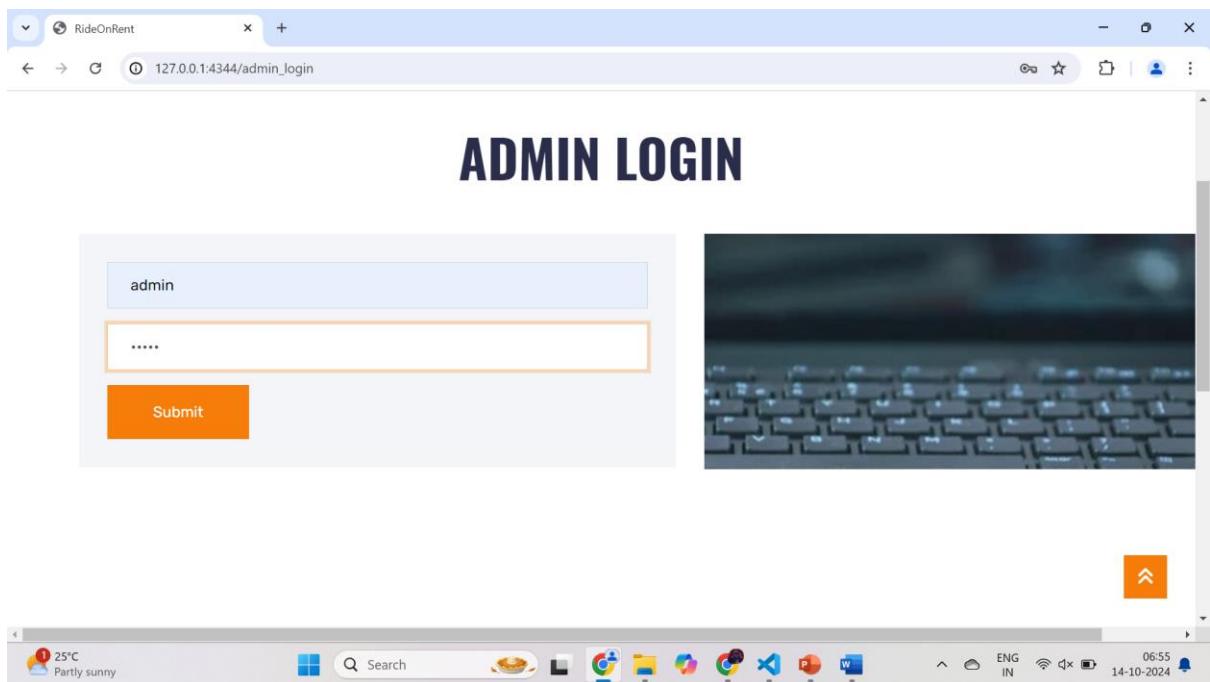
HOME ABOUT CAR LISTING CONTACT LOGIN/SIGNUP ADMIN LOGIN

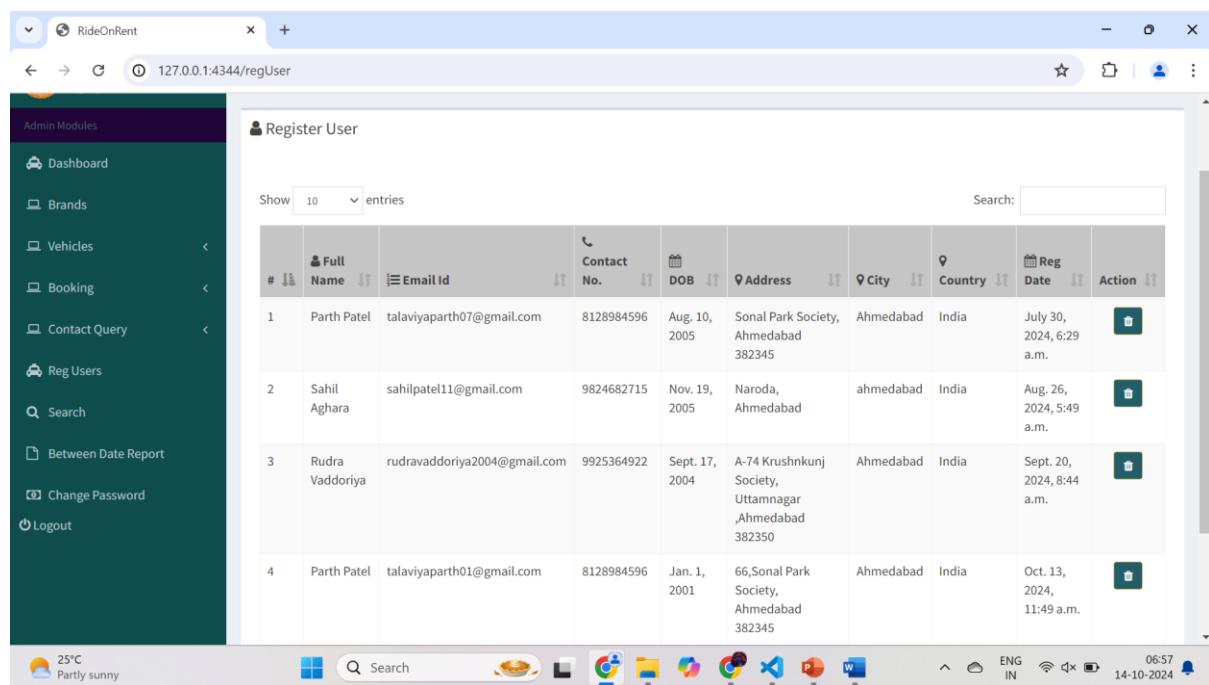
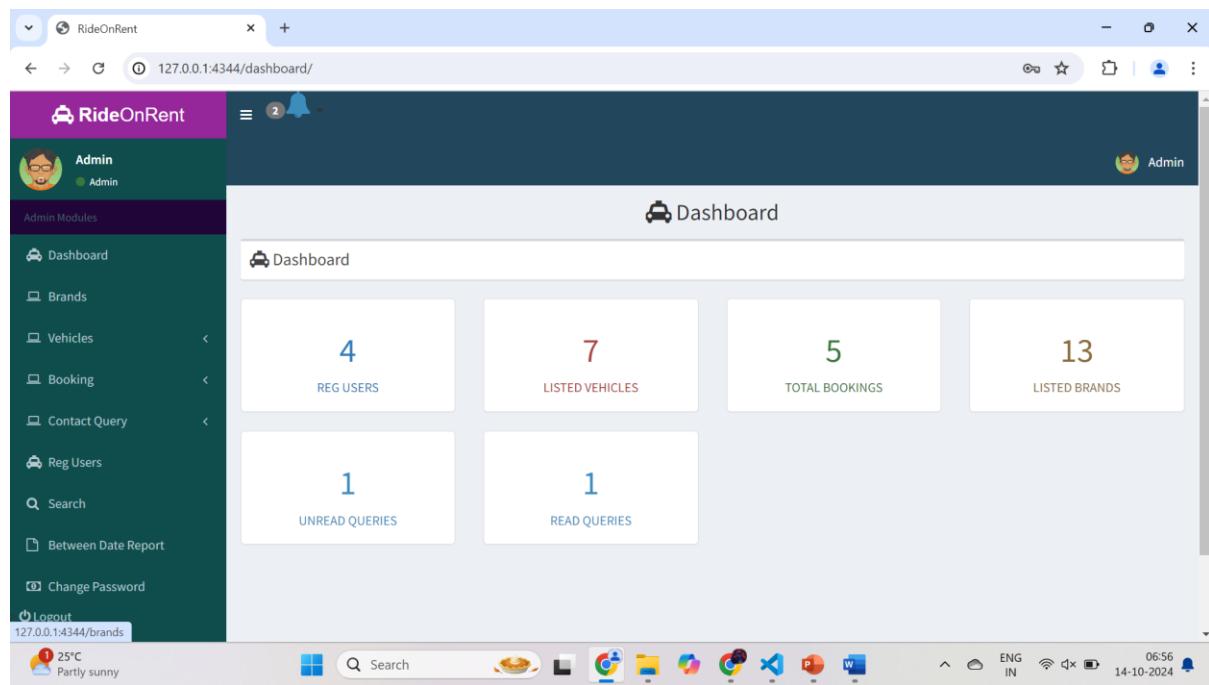
ADMIN LOGIN

Enter Username
Enter Password
<input type="button" value="Submit"/>



25°C Partly sunny 06:54 14-10-2024





RideOnRent

127.0.0.1:4344/regUser

Admin

Register User

#	Full Name	Email Id	Contact No.	DOB	Address	City	Country	Reg Date	Action
1	Parth Patel	talaviyaparth07@gmail.com	8128984596	Aug. 10, 2005	Sonal Park Society, Ahmedabad 382345	Ahmedabad	India	July 30, 2024, 6:29 a.m.	
4	Parth Patel	talaviyaparth01@gmail.com	8128984596	Jan. 1, 2001	66,Sonal Park Society, Ahmedabad 382345	Ahmedabad	India	Oct. 13, 2024, 11:49 a.m.	

Showing 1 to 2 of 2 entries (filtered from 4 total entries)

Previous 1 Next

25°C Partly sunny

Search

Dashboard

Brands

Vehicles

Booking

Contact Query

Reg Users

Search

Between Date Report

Change Password

Logout

ENG IN 06:57 14-10-2024

RideOnRent

127.0.0.1:4344/allBooking

Admin

All Booking

#	Full Name	Booking No.	Vehicle	From Date	To Date	Status	Posting Date	Action
1	Parth Patel	25762591	Mahindra, Mahindra Thar	Aug. 27, 2024	Aug. 29, 2024	Confirm	Aug. 26, 2024, 5:47 a.m.	
2	Rudra Vaddoriya	69250881	Mahindra, Mahindra Alturas G4	Oct. 6, 2024	Oct. 10, 2024	Not Update Yet	Sept. 29, 2024, 2:46 a.m.	
3	Rudra Vaddoriya	42491661	Mahindra, Mahindra Alturas G4	Oct. 26, 2024	Oct. 27, 2024	Not Update Yet	Sept. 29, 2024, 2:49 a.m.	
4	Rudra Vaddoriya	55842241	Mahindra, Mahindra Thar	Sept. 24, 2024	Sept. 27, 2024	Updated	Sept. 29, 2024, 2:54 a.m.	
5	Rudra Vaddoriya	36836025	TOYOTA, Toyota Innova Crysta	Sept. 30, 2024	Oct. 2, 2024	Updated	Sept. 29, 2024, 2:56 a.m.	

Showing 1 to 5 of 5 entries

Previous 1 Next

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26°C Mostly cloudy

Search

Dashboard

Brands

Vehicles

Booking

Contact Query

Reg Users

Search

Between Date Report

Change Password

Logout

ENG IN 07:02 14-10-2024

RideOnRent

127.0.0.1:4344/brands

Manage Brand

#	Brand Name	Creation Date	Action
1	Kia	July 30, 2024, 6:32 a.m.	[Edit] [Delete]
2	Mahindra	July 30, 2024, 6:34 a.m.	[Edit] [Delete]
3	Tata Motors	July 30, 2024, 6:34 a.m.	[Edit] [Delete]
4	Maruti Suzuki	July 30, 2024, 6:35 a.m.	[Edit] [Delete]
5	Hyundai	July 30, 2024, 6:35 a.m.	[Edit] [Delete]
6	Skoda	July 30, 2024, 6:35 a.m.	[Edit] [Delete]
7	TOYOTA	July 30, 2024, 6:36 a.m.	[Edit] [Delete]
8	Honda	July 30, 2024, 6:37 a.m.	[Edit] [Delete]
9	MG Motor	July 30, 2024, 6:37 a.m.	[Edit] [Delete]
10	Volkswagen AG	July 30, 2024, 6:38 a.m.	[Edit] [Delete]

Showing 1 to 10 of 13 entries

Previous 1 2 Next

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26°C Mostly cloudy

Search

ENG IN 07:07 14-10-2024

RideOnRent

127.0.0.1:4344/brands

Admin

Manage Brands

#	Brand Name	Creation Date	Action
11	Ford	July 30, 2024, 6:39 a.m.	[Edit] [Delete]
12	Audi	July 30, 2024, 6:40 a.m.	[Edit] [Delete]
13	BMW	July 30, 2024, 6:40 a.m.	[Edit] [Delete]

Showing 11 to 13 of 13 entries

Previous 1 2 Next

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26°C Mostly cloudy

Search

ENG IN 07:07 14-10-2024

The screenshot shows the 'Update Brands' page of the RideOnRent Admin portal. The URL in the browser is 127.0.0.1:4344/editBrand/16. The left sidebar has 'Brands' selected. The main content area shows a form with a 'Brand Name' field containing 'Kia'. A blue 'Update' button is visible. The footer includes a copyright notice and system status icons.

The screenshot shows the 'Add New Vehicle' page of the RideOnRent Admin portal. The URL in the browser is 127.0.0.1:4344/addVehicle. The left sidebar has 'Vehicles' selected. The main content area shows a form for vehicle details like 'Vehicle Title', 'Brand', 'Price Per Day', 'Model Year', and 'Select Fuel Type'. It also includes sections for 'Upload Images' (with fields for 1-5 images) and 'Accessories' (checkboxes for options like Air Conditioner, Power Steering, etc.). A blue 'Submit' button is at the bottom. The footer includes a copyright notice and system status icons.

Screenshot of the RideOnRent Admin Dashboard showing the 'New Booking' section.

The page title is "RideOnRent" and the URL is "127.0.0.1:4344/newBooking".

The left sidebar shows the "Admin Modules" menu with the "Booking" option selected. Other options include Dashboard, Brands, Vehicles, Contact Query, Reg Users, Search, Between Date Report, Change Password, and Logout.

The main content area is titled "New Booking" and displays a table of booking entries:

#	Full Name	Booking No.	Vehicle	From Date	To Date	Status	Posting Date	Action
1	Rudra Vaddoriya	69250881	Mahindra, Mahindra Alturas G4	Oct. 6, 2024	Oct. 10, 2024	Not Update Yet	Sept. 29, 2024, 2:46 a.m.	
2	Rudra Vaddoriya	42491661	Mahindra, Mahindra Alturas G4	Oct. 26, 2024	Oct. 27, 2024	Not Update Yet	Sept. 29, 2024, 2:49 a.m.	

Showing 1 to 2 of 2 entries.

Bottom navigation: Previous, 1, Next.

Screenshot of the RideOnRent Admin Dashboard showing the "Confirm Booking" section.

The page title is "RideOnRent" and the URL is "127.0.0.1:4344/confirmBooking".

The left sidebar shows the "Admin Modules" menu with the "Booking" option selected. Other options include Dashboard, Brands, Vehicles, Contact Query, Reg Users, Search, Between Date Report, Change Password, and Logout.

The main content area is titled "Confirm Booking" and displays a table of booking entries:

#	Full Name	Booking No.	Vehicle	From Date	To Date	Status	Posting Date	Action
1	Parth Patel	25762591	Mahindra, Mahindra Thar	Aug. 27, 2024	Aug. 29, 2024	Confirm	Aug. 26, 2024, 5:47 a.m.	

Showing 1 to 1 of 1 entries.

Bottom navigation: Previous, 1, Next.

Screenshot of the RideOnRent Admin Portal showing the 'All Booking' page.

The URL is 127.0.0.1:4344/allBooking

Table Data:

#	Full Name	Booking No.	Vehicle	From Date	To Date	Status	Posting Date	Action
1	Parth Patel	25762591	Mahindra, Mahindra Thar	Aug. 27, 2024	Aug. 29, 2024	Confirm	Aug. 26, 2024, 5:47 a.m.	
2	Rudra Vaddoriya	69250881	Mahindra, Mahindra Alturas G4	Oct. 6, 2024	Oct. 10, 2024	Not Update Yet	Sept. 29, 2024, 2:46 a.m.	
3	Rudra Vaddoriya	42491661	Mahindra, Mahindra Alturas G4	Oct. 26, 2024	Oct. 27, 2024	Not Update Yet	Sept. 29, 2024, 2:49 a.m.	
4	Rudra Vaddoriya	55842241	Mahindra, Mahindra Thar	Sept. 24, 2024	Sept. 27, 2024	Updated	Sept. 29, 2024, 2:54 a.m.	
5	Rudra Vaddoriya	36836025	TOYOTA, Toyota Innova Crysta	Sept. 30, 2024	Oct. 2, 2024	Updated	Sept. 29, 2024, 2:56 a.m.	

Showing 1 to 5 of 5 entries

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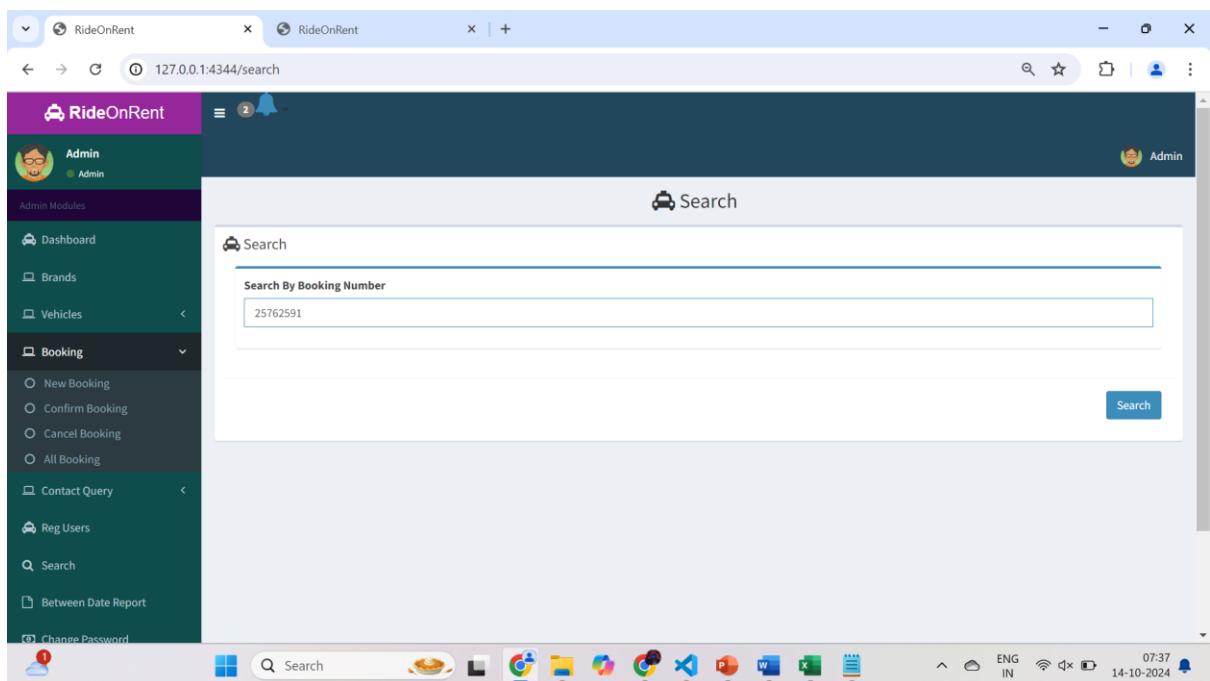
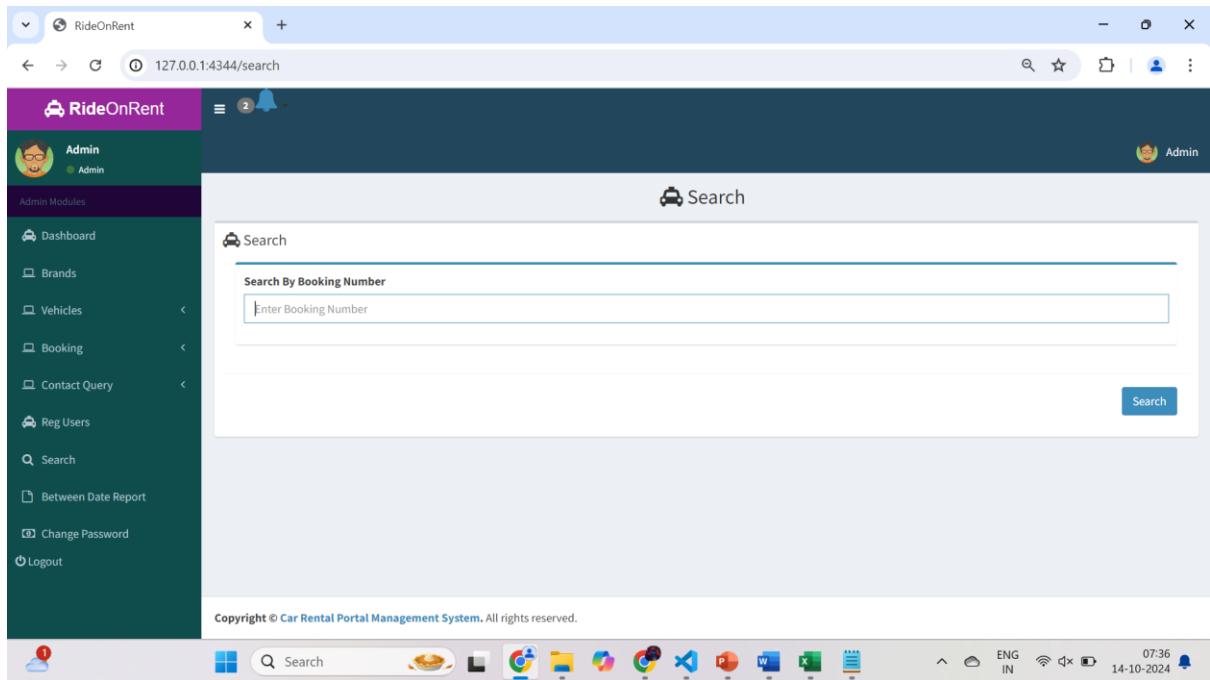
Screenshot of the RideOnRent Admin Portal showing the 'Register User' page.

The URL is 127.0.0.1:4344/regUser

Table Data:

#	Full Name	Email Id	Contact No.	DOB	Address	City	Country	Reg Date	Action
1	Parth Patel	talaviyaparth07@gmail.com	8128984596	Aug. 10, 2005	Sonal Park Society, Ahmedabad 382345	Ahmedabad	India	July 30, 2024, 6:29 a.m.	
2	Sahil Aghara	sahilpatel11@gmail.com	9824682715	Nov. 19, 2005	Naroda, Ahmedabad	ahmedabad	India	Aug. 26, 2024, 5:49 a.m.	
3	Rudra Vaddoriya	rudravaddoriya2004@gmail.com	9925364922	Sept. 17, 2004	A-74 Krushnunj Society, Uttamnagar, Ahmedabad 382350	Ahmedabad	India	Sept. 20, 2024, 8:44 a.m.	
4	Parth Patel	talaviyaparth01@gmail.com	8128984596	Jan. 1, 2001	66,Sonal Park Society, Ahmedabad 382345	Ahmedabad	India	Oct. 13, 2024, 11:49 a.m.	

Showing 1 to 4 of 4 entries



RideOnRent

127.0.0.1:4344/search

Admin

Admin Modules

- Dashboard
- Brands
- Vehicles
- Booking
- Contact Query
- Reg Users
- Search
- Between Date Report
- Change Password
- Logout

Search

Search By Booking Number

Enter Booking Number

Result Against "25762591" Keyword

Show 10 entries

S.No	Full Name	Booking No.	Email ID	Action
1	Parth Patel	25762591	talaviyaparth07@gmail.com	View Details

Showing 1 to 1 of 1 entries

Previous 1 Next

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07:40 14-10-2024 ENG IN

This screenshot shows the 'Search' page of the RideOnRent Admin portal. The search bar at the top contains the booking number '25762591'. Below the search bar, a table displays one result: Parth Patel's booking information. The table has columns for S.No, Full Name, Booking No., Email ID, and Action. The 'Action' column for the first row contains a blue button labeled 'View Details'. The status bar at the bottom right indicates the time as 07:40 and the date as 14-10-2024.

RideOnRent

127.0.0.1:4344/viewBooking/1

Admin

Admin Modules

- Dashboard
- Brands
- Vehicles
- Booking
- Contact Query
- Reg Users
- Search
- Between Date Report
- Change Password
- Logout

View Booking Details

View Booking Details

Booking Number	25762591	Full Name	Parth Patel
Email Id	talaviyaparth07@gmail.com	Contact No	8128984596
Address	Sonal Park Society, Ahmedabad 382345	City	Ahmedabad
Country	India		

Booking Details

Vehicle Name	Mahindra Thar	Booking Date	Aug. 26, 2024, 5:47 a.m.
From Date	Aug. 27, 2024	To Date	Aug. 29, 2024
Total Days	2 days	Rent Per Days	4400
Grand Total			
Booking Status	Confirm	Updation Date	Aug. 26, 2024

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07:42 14-10-2024 ENG IN

This screenshot shows the 'View Booking Details' page for booking number 25762591. It displays two tables of information. The first table contains personal details like name, email, address, and country. The second table contains booking details such as vehicle name, dates, total days, and rental rates. The status bar at the bottom right indicates the time as 07:42 and the date as 14-10-2024.

RideOnRent

RideOnRent

127.0.0.1:4344/betweendateReport

RideOnRent

Admin Admin

Admin Modules

- Dashboard
- Brands
- Vehicles
- Booking
- Contact Query
- Reg Users
- Search
- Between Date Report
- Change Password
- Logout

Report Between Date

Report Between Date

From Date: 29-12-2020

To Date: 16-10-2024

Submit

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07:42 14-10-2024 Admin

RideOnRent

RideOnRent

127.0.0.1:4344/betweendateReport

RideOnRent

Admin Admin

Admin Modules

- Dashboard
- Brands
- Vehicles
- Booking
- Contact Query
- Reg Users
- Search
- Between Date Report
- Change Password
- Logout

Between Date Report Details

Report From 2020-12-29 to 2024-10-14

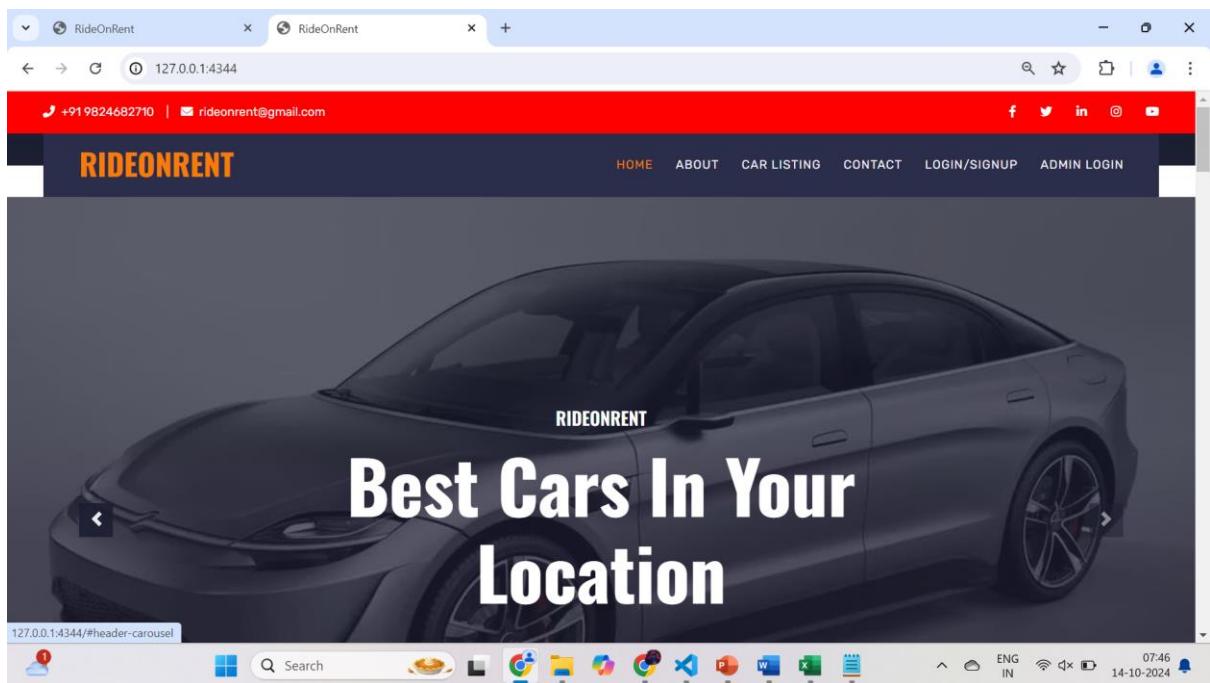
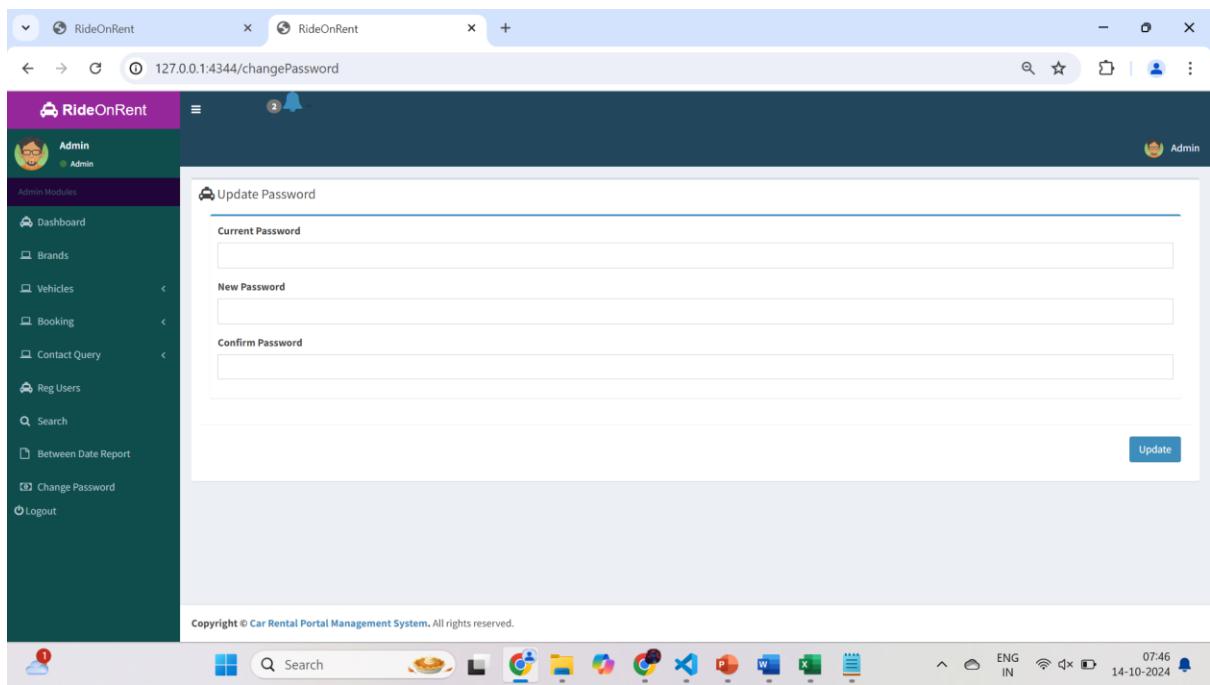
#	Full Name	Booking No.	From Date	To Date	Status	Posting Date	Action
1	Parth Patel	25762591	Aug. 27, 2024	Aug. 29, 2024	Confirm	Aug. 26, 2024, 5:47 a.m.	<button>View</button>
2	Rudra Vaddoriya	69250881	Oct. 6, 2024	Oct. 10, 2024	Not Update Yet	Sept. 29, 2024, 2:46 a.m.	<button>View</button>
3	Rudra Vaddoriya	42491661	Oct. 26, 2024	Oct. 27, 2024	Not Update Yet	Sept. 29, 2024, 2:49 a.m.	<button>View</button>
4	Rudra Vaddoriya	55842241	Sept. 24, 2024	Sept. 27, 2024	Updated	Sept. 29, 2024, 2:54 a.m.	<button>View</button>
5	Rudra Vaddoriya	36836025	Sept. 30, 2024	Oct. 2, 2024	Updated	Sept. 29, 2024, 2:56 a.m.	<button>View</button>

Showing 1 to 5 of 5 entries

Previous 1 Next

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07:44 14-10-2024 Admin



RideOnRentt (62) WhatsApp

127.0.0.1:1234/myBooking/

#	Booking No.	Vehicle	From Date	To Date	Status	Booking Date	Payment Status	Action
1	25762591	Mahindra Thar	Aug. 27, 2024	Aug. 29, 2024	Confirm	Aug. 26, 2024, 5:47 a.m.	Paid	
2	44589870	Mahindra Alturas G4	Oct. 19, 2024	Oct. 24, 2024	Confirm	Oct. 18, 2024, 4:06 a.m.	Paid	
3	20087530	Toyota Innova Crysta	Oct. 23, 2024	Oct. 24, 2024	Cancel	Oct. 23, 2024, 10:01 a.m.	Pending	
4	21721762	Mahindra Thar	Oct. 24, 2024	Oct. 31, 2024	Confirm	Oct. 23, 2024, 3:40 p.m.	Paid	
5	79049249	Mahindra Alturas G4	Oct. 23, 2024	Oct. 25, 2024	Confirm	Oct. 23, 2024, 4:13 p.m.	Paid	
6	21662108	Toyota Fortuner	Dec. 5, 2024	Dec. 12, 2024	Confirm	Oct. 23, 2024, 7:07 p.m.	Paid	
7	23585450	Toyota Fortuner	Oct. 25, 2024	Nov. 3, 2024	Confirm	Oct. 25, 2024, 3:15 p.m.	Paid	
8	16228034	Toyota Urban Cruiser	Oct. 26, 2024	Oct. 27, 2024	Confirm	Oct. 25, 2024, 3:23 p.m.	Paid	
9	85756768	Hyundai Grand i10 Nios	Oct. 26, 2024	Oct. 27, 2024	Confirm	Oct. 25, 2024, 3:58 p.m.	Pending	

RideOnRentt (62) WhatsApp

127.0.0.1:1234/mybookingDtls/29

MY BOOKING DETAILS

Welcome, talaviyaparth07@gmail.com!

Name	Parth Patel		
Booking No	16228034		
Brand	TOYOTA	Vehicle Name	Toyota Urban Cruiser
From Date	Oct. 26, 2024	To Date	Oct. 27, 2024
Message	OKOK	Status	Confirm
Payment Status	Completed		
Total Days	1	Rent/Day	9200.00
	Grand Total		9200 ₹

Payment Completed
You Paid Your 9200 ₹

Thank you for your payment.

[Print Booking Receipt](#)

RideOnRent 127.0.0.1:1234/mybookingDtls/31

MY BOOKING DETAILS

Welcome, talaviyaparth07@gmail.com!

Name	Parth Patel		
Booking No	85756768		
Brand	Hyundai	Vehicle Name	Hyundai Grand i10 Nios
From Date	Oct. 26, 2024	To Date	Oct. 27, 2024
Message	okk	Status	Confirm
Payment Status	Pending		
Total Days	1	Rent/Day	3700.00
Grand Total		3700 ₹	

Complete Your Payment

[Pay Now](#)

[Print Booking Receipt](#)

RideOnRent 127.0.0.1:1234/fake-payment/31/

Simulated Payment for Booking

Name	Parth Patel		
Booking No	85756768		
Brand	Hyundai	Vehicle Name	Hyundai Grand i10 Nios
From Date	Oct. 26, 2024	To Date	Oct. 27, 2024
Total Days	1	Rent/Day	3700.00 ₹
Grand Total		3700.00 ₹	

Select Payment Method

Pay by Card
 Pay via QR Code
 Pay Cash on Delivery

Card Payment Details

Cardholder Name: Enter your name

Card Number: XXXX-XXXX-XXXX-XXXX

Expiry Date: MM/YY CVV: CVV

[Proceed with Payment](#)

[Back to Booking](#)

RideOnRentt (62) WhatsApp 127.0.0.1:1234/fake-payment/31/

Simulated Payment for Booking

Name	Parth Patel		
Booking No	85756768		
Brand	Hyundai	Vehicle Name	Hyundai Grand i10 Nios
From Date	Oct. 26, 2024	To Date	Oct. 27, 2024
Total Days	1	Rent/Day	3700.00 ₹
Grand Total	3700.00 ₹		

Select Payment Method

Pay by Card
 Pay via QR Code
 Pay Cash on Delivery

QR Code Payment
Please scan the QR code to complete your payment.

PARTH PATEL

Scan to make payment

Proceed with Payment
Back to Booking

06:30 26-10-2024 ENG IN

RideOnRentt (62) WhatsApp 127.0.0.1:1234/fake-payment/31/

Simulated Payment for Booking

Name	Parth Patel		
Booking No	85756768		
Brand	Hyundai	Vehicle Name	Hyundai Grand i10 Nios
From Date	Oct. 26, 2024	To Date	Oct. 27, 2024
Total Days	1	Rent/Day	3700.00 ₹
Grand Total	3700.00 ₹		

Select Payment Method

Pay by Card
 Pay via QR Code
 Pay Cash on Delivery

Proceed with Payment
Back to Booking

Thank you for selecting Cash on Delivery!

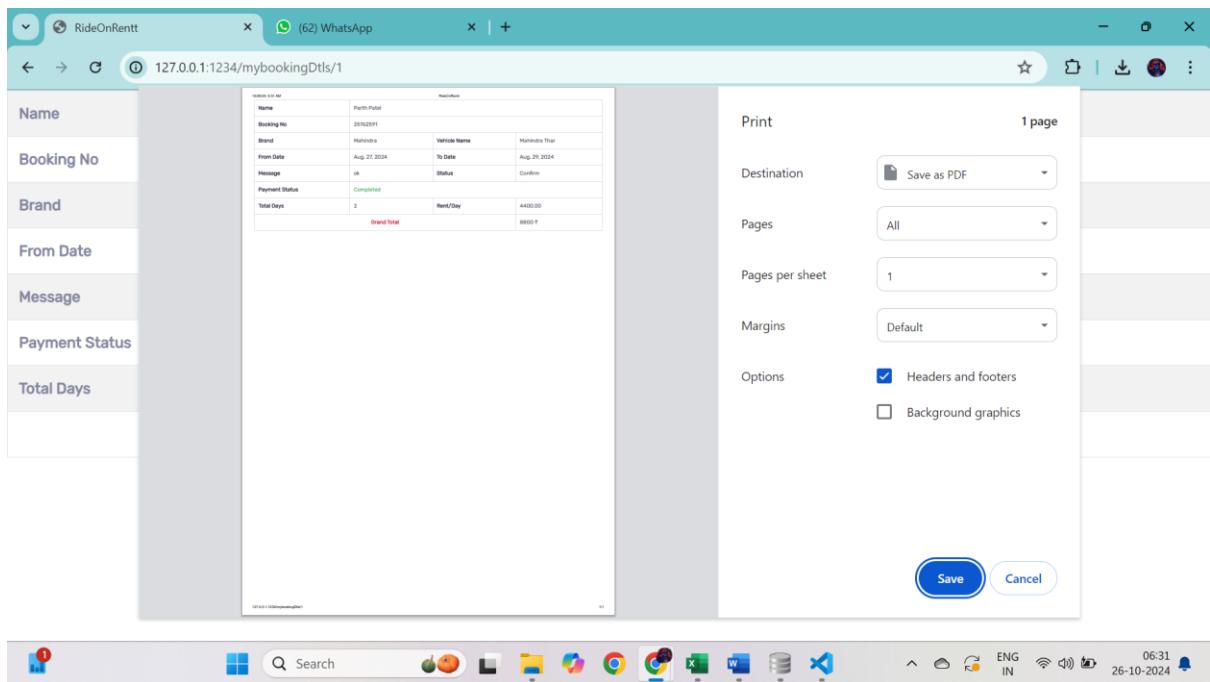
06:30 26-10-2024 ENG IN

GET IN TOUCH
Ahmedabad, India
+91 9824682710
rideonrentt@gmail.com

USEFUL LINKS
[Privacy Policy](#)
[Terms & Conditions](#)
[New Member Registration](#)

CAR GALLERY

06:30 26-10-2024 ENG IN

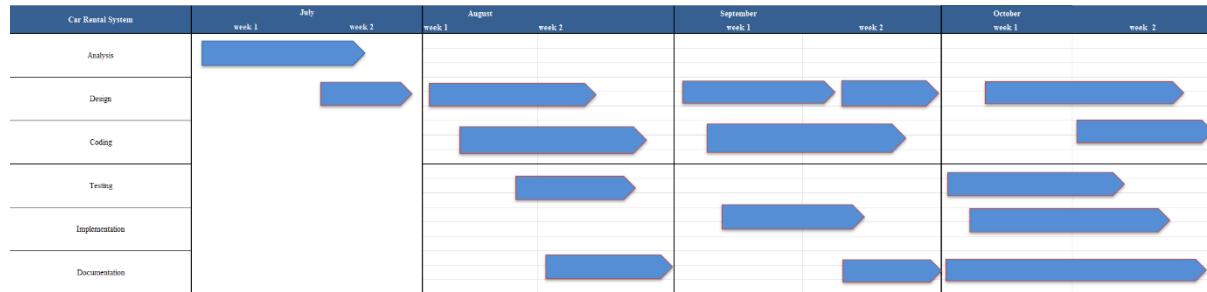


AGILE DOCUMENTATION

5.1 Agile Project Charter

Project Charter	
Project Charter	Details
Project title	Car Rental System
Expected start date	01-07-2024
Expected end date	25-10-2024
Project manager	Dr. Jignesh Doshi
Stakeholder	L J Institute of Computer Application
Project Champion	Dr. Jignesh Doshi
Project Sponsor	L J Institute of Computer Application
Project overview	
Project Mission	The mission of the Car Rental System is to provide a user-friendly, efficient, and secure online platform for renting vehicles. This platform will connect customers with a wide variety of rental vehicles, enabling them to conveniently search, reserve, and pay for cars online. Through seamless navigation, real-time availability, and transparent booking processes.
Project Vision	Our vision for the Car Rental System is to create a seamless, reliable platform that allows customers to quickly and conveniently find and rent a wide variety of vehicles suited to their needs. We aim to build a trusted service that leverages smart technology to provide real-time availability, personalized booking options, and a safe rental experience across multiple locations, making car rentals accessible and dependable for travelers everywhere.
Project Scope	The project scope of the Car Rental System encompasses developing an online platform that manages vehicle rentals, provides users with the ability to search and book available cars, and allows administrators to oversee fleet availability and manage bookings. The system will include features such as user registration, vehicle listings with detailed descriptions, real-time booking with date and availability validation, payment integration, and user profile management. Additionally, it will support administrative functions like vehicle management, booking management, and reporting to streamline operations. The goal is to deliver an intuitive, secure, and efficient car rental experience for both users and administrators.
Out of Scope	Out of scope for the Car Rental System is handling vehicle maintenance, insurance, Targeted User and Dealers, Secure Payment Service and detailed analytics.

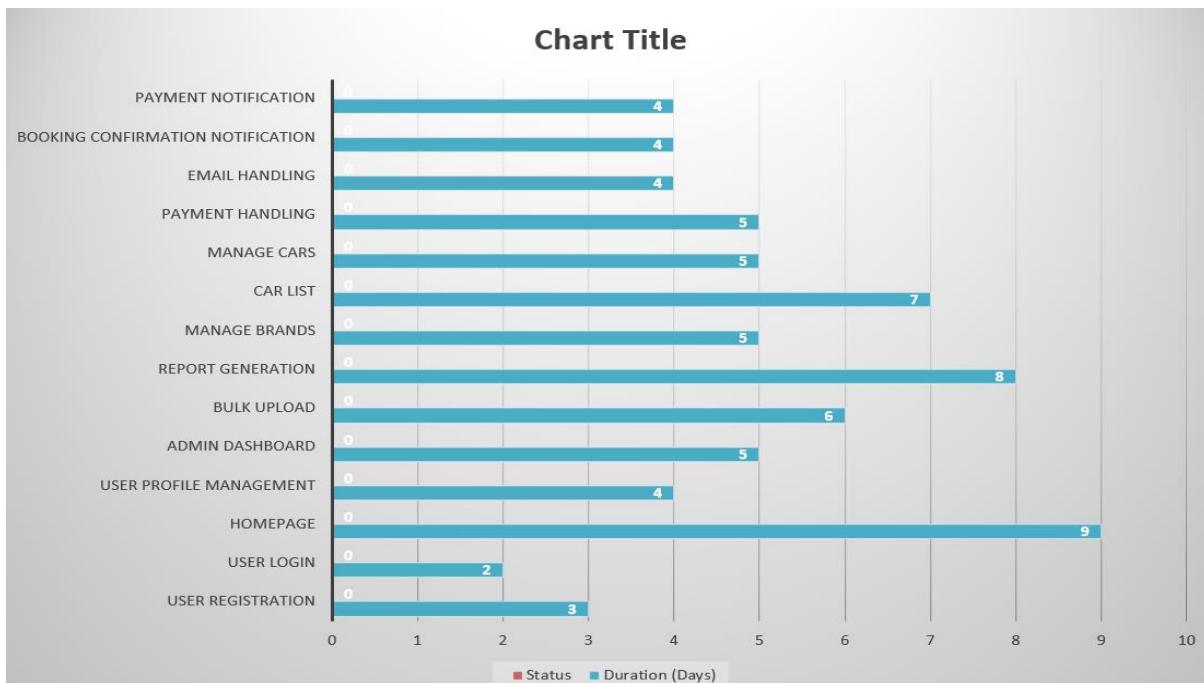
5.2 Agile Roadmap / Schedule



5.3 Agile Project Plan

AGILE PROJECT PLAN						
Project Name	Car Rental System					
Project Manager	Dr. Jignesh Doshi					
Project Deliverable						
Scope Statement						
Start Date	01-Jul					
End Date	25-Oct					
Overall Progress						

Sprint	Task	Responsible	Start Date	End Date	Duration (Days)	Status
1	User Registration	Parth Talaviya	01-07-2024	04-07-2024	3	Complete
1	User Login	Parth Talaviya	05-07-2024	07-07-2024	2	Complete
1	Homepage	Sahil Aaghra	08-07-2024	17-07-2024	9	Complete
1	User Profile Management	Sahil Aaghra	18-07-2024	22-07-2024	4	Complete
2	Admin Dashboard	Parth Talaviya	25-07-2024	30-07-2024	5	Complete
2	Bulk Upload	Sahil Aaghra	01-08-2024	07-08-2024	6	Complete
2	Report Generation	Rudra Vaddoriya	08-08-2024	16-08-2024	8	Complete
2	Manage Brands	Rudra Vaddoriya	17-08-2024	22-08-2024	5	Complete
3	Car List	Sahil Aaghra	24-08-2024	31-08-2024	7	Complete
3	Manage Cars	Parth Talaviya	01-09-2024	06-09-2024	5	Complete
3	Payment Handling	Parth Talaviya	07-09-2024	12-09-2024	5	Complete
4	Email Handling	Parth Talaviya/Rudra Vaddoriya	13-09-2024	17-09-2024	4	Complete
4	Booking Confirmation Notification	Parth Talaviya	18-09-2024	22-09-2024	4	Complete
4	Payment Notification	Parth Talaviya	23-09-2024	27-09-2024	4	Complete



5.4 Agile User Story

User Story ID	As a <type of user>	I want to <perform some task>	So that I can <achieve some goal>
1	User	I want to create an account	so that I can securely log in and manage my car rentals.
2	User	I want to browse available cars	cars so that I can choose a vehicle that fits my needs.
3	User	I want to view detailed information about each car, including price, model, and seating capacity.	so I can make an informed decision.
4	User	I want to be able to book a car for specific dates	to ensure the car is available when I need it.
5	User	I want to receive a notification if my chosen dates are unavailable	So that I can select different dates.
6	User	I want to pay securely online(Via. Card,QR,COD)	to complete my booking easily.
7	Admin	I want to add, update, or delete car details	to ensure the available cars are up-to-date for users.
8	Admin	I want to view all bookings	to manage and track car rentals efficiently.
9	User	I want to be able to update or cancel my booking	if my plans change.
10	Admin	I want to contact customer support with any inquiries	to get assistance with my bookings.
11	User	I want to update my profile details	so that my information is accurate and up-to-date.
12	User	I want to view my booking history	so that I can keep track of all past rentals.
13	User	I want to change my password	to ensure my account stays secure
14	User	I want to receive a confirmation email when I book a car	so that I have a record of my reservation.
15	User	I want to register with an OTP sent to my email	to verify my identity and secure my account.
16	Admin	I want to receive an email notification whenever a user makes a payment	so that I can promptly confirm and manage the booking process efficiently.

5.5 Agile Release Plan

Agile Release Plan							
Sprint	Task	Start Date	End Date	Duration (Days)	Status	Release Date	Goal
1	User Registration	01-07-2024	04-07-2024	3	Released	05-07-2024	Enable user registration with email verification
1	User Login	05-07-2024	07-07-2024	2	Released	08-07-2024	Allow registered users to log in
1	Homepage	08-07-2024	17-07-2024	9	Released	18-07-2024	Redirect users to the homepage
1	User Profile Management	18-07-2024	22-07-2024	4	Released	23-07-2024	Enable users to manage their profiles
2	Admin Dashboard	25-07-2024	30-07-2024	5	Released	31-07-2024	Provide admins with a dashboard for management
2	Bulk Upload	01-08-2024	07-08-2024	6	Released	08-08-2024	Allow bulk uploading of car listings
2	Report Generation	08-08-2024	16-08-2024	8	Released	17-08-2024	Generate reports for tracking progress
2	Manage Brands	17-08-2024	22-08-2024	5	Released	23-08-2024	Manage different car brands in the system
3	Car List	24-08-2024	31-08-2024	7	Released	01-09-2024	Display available cars for users to choose from
3	Manage Cars	01-09-2024	06-09-2024	5	Released	07-09-2024	Manage car details and availability
3	Payment Handling	07-09-2024	12-09-2024	5	Released	13-09-2024	Handle payments securely for bookings
4	Email Handling	13-09-2024	17-09-2024	4	Released	18-09-2024	Set up email notifications for users
4	Booking Confirmation Notification	18-09-2024	22-09-2024	4	Released	23-09-2024	Notify users upon successful booking
4	Payment Notification	23-09-2024	27-09-2024	4	Released	28-09-2024	Notify admin and user after successful payment
4	Invoice Generation	28-09-2024	04-10-2024	7	Released	05-10-2024	Generate invoice PDFs for user transactions
5	Filtering & Searching Products	05-10-2024	10-10-2024	5	Planned	11-10-2024	Enable users to filter and search for cars
5	Upcoming Rentals	11-10-2024	15-10-2024	4	Planned	16-10-2024	Show users upcoming rental options

5.6 Agile Sprint Backlog

Agile Product Backlog						
Task Name	Story	Sprint Ready	Priority	Status	Assigned to	Assigned to
Sprint 1						
User Registration	Yes	Yes	High	Complete	Parth Talaviya	Yes
User Login	Yes	Yes	High	Complete	Parth Talaviya	Yes
Homepage	Yes	Yes	High	Complete	Sahil Aaghra	Yes
Sprint 2						
Admin Dashboard	Yes	Yes	High	Complete	Parth Talaviya	Yes
Bulk Upload	No	Yes	Medium	Complete	Sahil Aaghra	Yes
Report Generation	Yes	Yes	Medium	Complete	Rudra Vaddoriya	Yes
Manage Brands	Yes	Yes	High	Complete	Rudra Vaddoriya	Yes
Sprint 3						
Car List	Yes	Yes	High	Complete	Sahil Aaghra	Yes
Manage Cars	Yes	Yes	High	Complete	Parth Talaviya	Yes
Payment Handling	Yes	Yes	High	Complete	Parth Talaviya	Yes
Email Handling	Yes	Yes	Medium	Complete	Parth Talaviya/Rudra Vaddoriya	Yes
Sprint 4						
User Profile Management	Yes	Yes	Medium	Complete	Parth Talaviya	Yes
Booking Confirmation Notifications	Yes	Yes	High	Complete	Parth Talaviya	Yes
Payment Notifications	Yes	Yes	High	Complete	Parth Talaviya	Yes
Sprint 5						
User Booking History	Yes	Yes	Medium	Complete	Sahil Aaghra	Yes
Filter and Search Cars	Yes	Yes	Medium	Complete	Rudra Vaddoriya	Yes
OTP for Registration	Yes	Yes	High	Complete	Parth Talaviya	Yes

5.7 Agile Test Plan

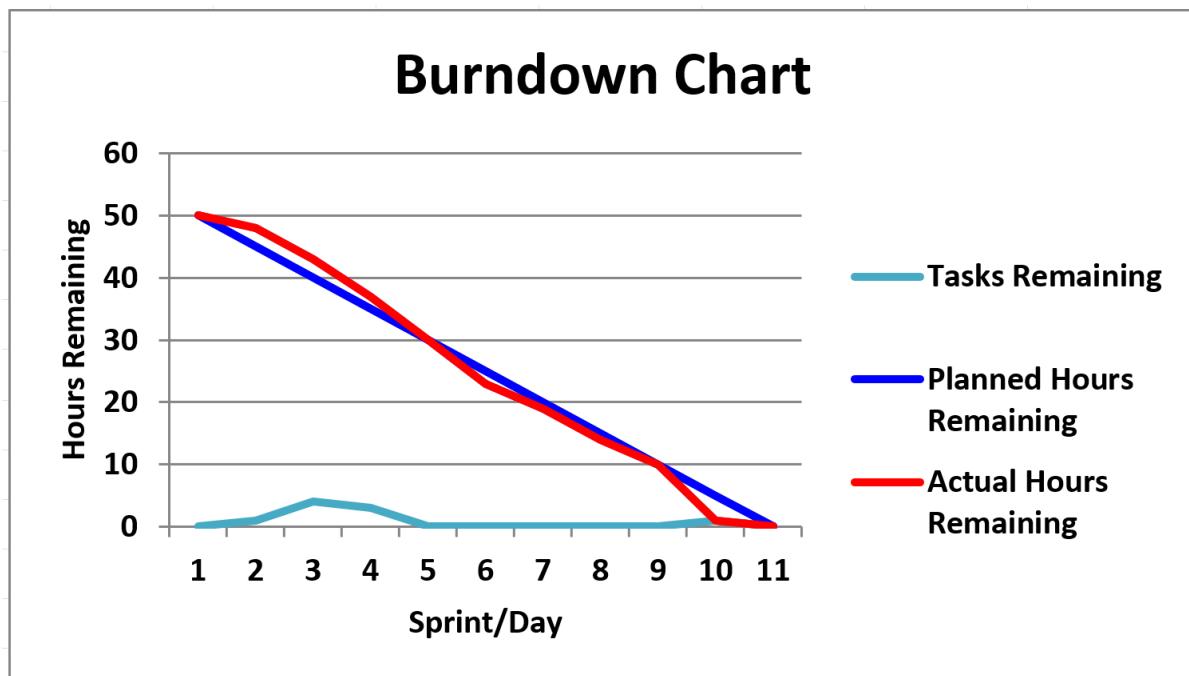
Agile Test Plan

Project Name	Car Rental System	Browser:	Chrome, Microsoft Edge
Test Case ID		Version:	130.0.6723.70 , 130.0.2849.52
Written By:	Parth Talaviya	Description:	Testing of System
Tested By:	Parth Talaviya	Tested On:	

Test #	Date	Action	Expected Results	Actual Results	Pass?
1		Test for first-time OTP delivery	User receives the OTP email on the first request	User did not receive the OTP on the first request	<input checked="" type="checkbox"/>
2		Test database entry creation on successful registration	Database entry is created upon successful registration	No entry created in the database	<input checked="" type="checkbox"/>
3		Check email format and content for OTP	Email format is correct, and content is clear	Email format correct but lacks detailed instructions	<input checked="" type="checkbox"/>
4		Test email notification after successful payment	User receives payment confirmation email	User did not receive payment notification email	<input type="checkbox"/>
5		Test login functionality after registration	User can log in successfully after registration	Login failed due to missing database entry	<input checked="" type="checkbox"/>
6		Verify registration after receiving OTP	User successfully registers and entry is created in the database	Registration failed, no entry created	<input checked="" type="checkbox"/>
7		Attempt to book a car that is already booked	User receives notification that the car is not available for the selected date	Notification shown as expected	<input checked="" type="checkbox"/>
8		Error handling for unavailable car	Error message displayed correctly	Not Being send	<input checked="" type="checkbox"/>

5.8 Earned - value and burn charts

Sprint/Day	Planned Hours Remaining	Actual Hours Remaining	Tasks Remaining
1	50	50	0
2	45	48	1
3	40	43	4
4	35	37	3
5	30	30	0
6	25	23	0
7	20	19	0
8	15	14	0
9	10	10	0
10	5	1	1
11	0	0	0



6.PROPOSED ENHANCEMENTS

1. User Experience Improvements

- Better UI: Redesign the interface for easier navigation and engagement with intuitive icons and layouts.
- Mobile Responsiveness: Ensure the app works well on mobile devices for accessibility on the go.

2. Advanced Search and Filter Options

- Add more filtering and search options to help users find vehicles by price, brand, model, and availability.

3. Integration with Third-Party Services

- Partner with mapping services (e.g., Google Maps) for location tracking and directions to pick-up points.
- Include more payment options like mobile wallets and cryptocurrencies for flexibility.

4. Real-Time Notifications

- Create a notification system to update users on bookings, cancellations, and reminders.

5. Admin Analytics Dashboard

- Develop a dashboard for admins to track user behaviour and vehicle performance.

6. Customer Feedback System

- Set up a way to collect user feedback to improve the rental experience.

7. Enhanced Security Features

- Implement two-factor authentication (2FA) for added account security during registration and login.

7.Conclusion

In conclusion, the car rental system has been successfully developed to provide a user-friendly platform for booking and managing vehicle rentals. Key features such as user registration, vehicle management, payment processing, and notifications have been implemented to enhance the overall experience.

The proposed enhancements aim to improve usability, increase security, and provide valuable insights for administrators. By focusing on user needs and continuously improving the system, we can ensure that the car rental service remains competitive and meets the demands of customers.

Overall, this project not only fulfils the initial requirements but also sets the stage for future growth and improvement in the car rental industry

8.BIBLIOGRAPHY

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