

NATIONAL INSTITUTE OF TECHNOLOGY PATNA



PROJECT REPORT ON CAR RENTAL PORTAL

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UNDER THE GUIDANCE OF
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COURSE TITLE : Database Management Systems Lab (CSL5401)

TITLE: CAR RENTAL PORTAL

DESCRIPTION:

The Car Rental Portal is being developed for customers so that they can book their vehicles from any part of the world. This application takes information from the customers through filling their details. A customer being registered in the website has the facility to book a vehicle which he requires. It is an online system through which customers can view available cars, register and book car. We developed this project to book a car on rent at the fare charges. Manually, it takes lot of time for booking. So, the aim of the project is to automate the work performed in the car rental portal like records of cabs, cabs available for booking, rental charges for cars, store records of the customer. Tripzz is a car booking software that provides a complete solution to all your day-to-day car booking office running needs. This system helps you to keep the information of customer online. You can check your customer information any time by using this system.

The user and admin register themselves by providing their credentials. These credentials are stored in the database. During the login phase, the user and admin details are verified with the data present in the database. After verification, the authentic user can only be allowed to enter and perform necessary operations. These operations include fetching data from the database like adding/updating the car and booking details. The users are allowed to see available cars and can done booking of cars and payment for their booked cars. All these operations are performed on the database and are updated accordingly. After all the intended operations are completed, the user can log out. The details will be present in the database for the next time the user logs in.

REQUIREMENT COLLECTION AND ANALYSIS :

Functional Requirements Car Rental Portal:

Register Module:

- The user needs to provide their first name, last name, email, license number, phone number, password, confirm password, gender for registration.
- These details will be stored in database.

Login Module:

- For login user will input their email and password .
- Admin will provide their admin id and password which will be compared with a database content.

Booking Module:

- User can view the list of cars. The booking details of cars are provided by the admin.
- User can select their preferred car and book for the same.

Payment Module:

- user should be able to make payment by filling card number, expiry date and CVV are provided by the admin.
- After payment user will get the payment successful popup window.

Logout Module:

- The system should allow user to logout .
- The system should also allow admin to logout.

Software Requirements:

- Front End : HTML5,CSS3,JavaScript
- Back End : PHP, SQL

- Framework : Bootstrap
- Software : Visual Studio Code, XAMPP

Non-Functional Requirements of Car Rental Portal:

Security:

- The system should provide a high level of security and integrity of the data held by the system; only authorized personnel of the company can gain access to the company's secured page on the system.
- System provides security for the admin by allowing them to enter into the account with their respective ID and password.

Performance:

- The system provides user friendly interface, any common people with little knowledge can use the system.
- System is robust, reliable and fast, provides more efficiency.

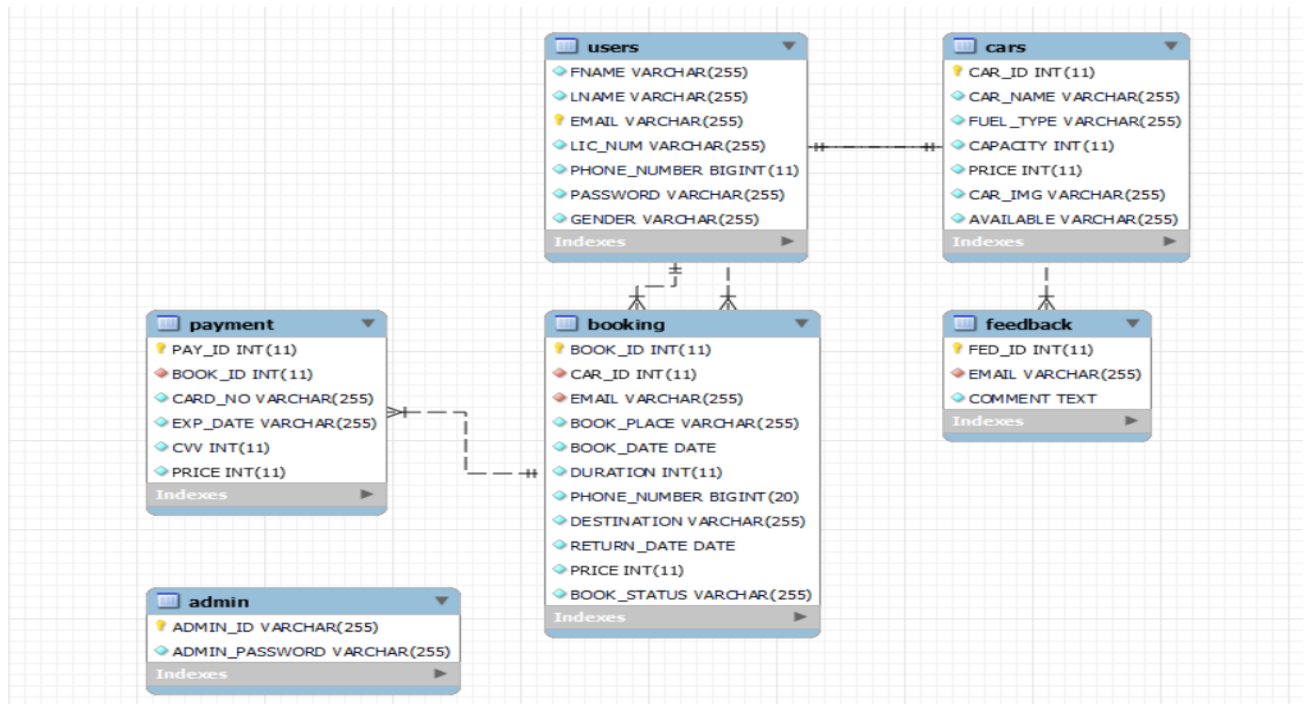
Reliability:

- It is the probability and percentage of the system performing without any failure for a specific number of uses or amount of time.
- Car rental portal provides reliable interface as it provides data security and data safety.

Consistency:

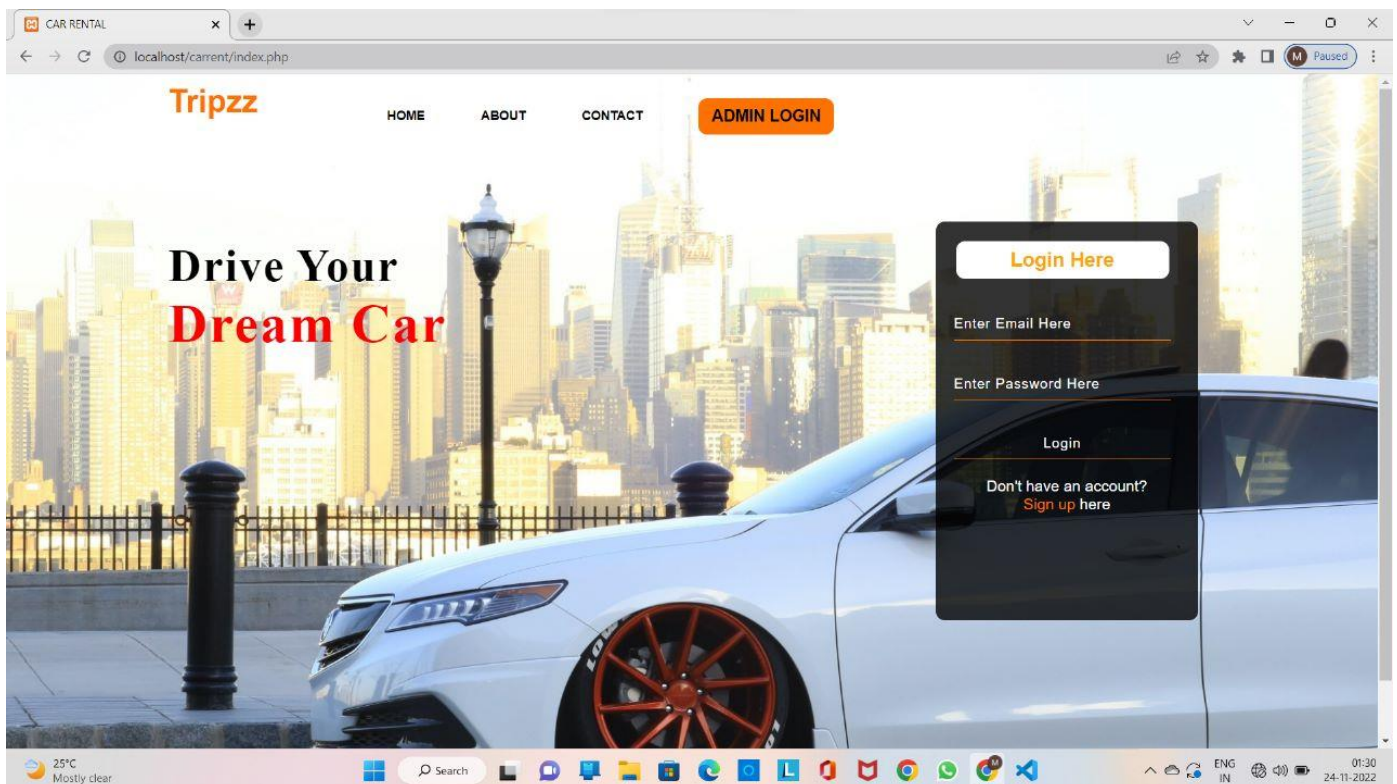
- The car rental portal provides consistency services, by retaining the data present in the database.
- The user gets the details that are only provided by the admin, thus achieving correctness of data in the data base

Schema:

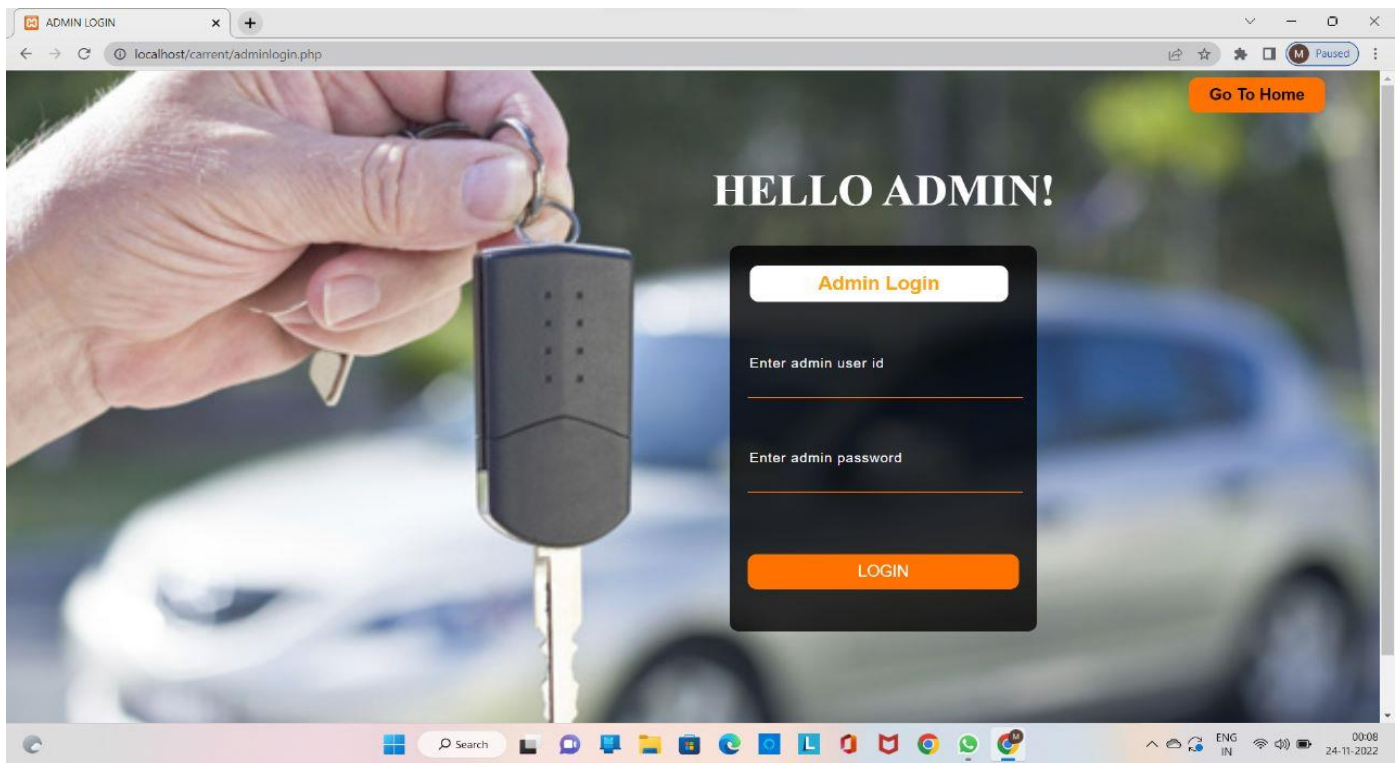


SQL QUERIES AND OUTPUTS:

Home page and User Login

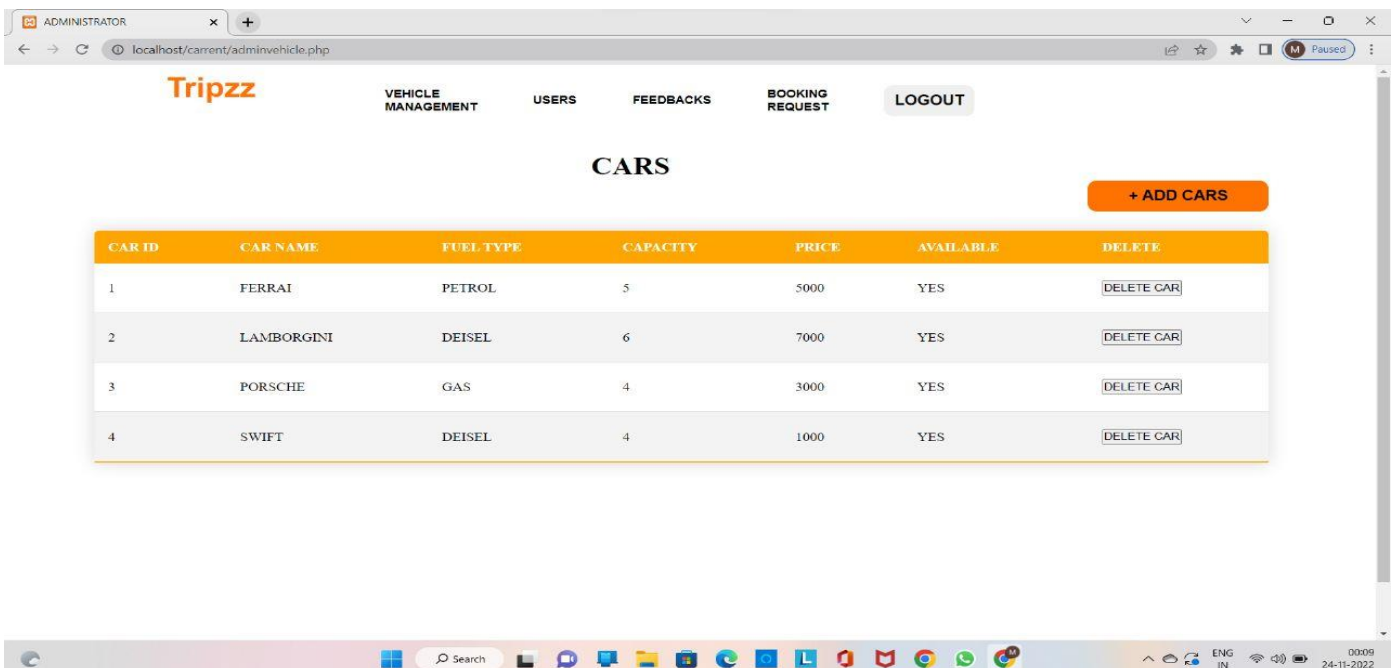


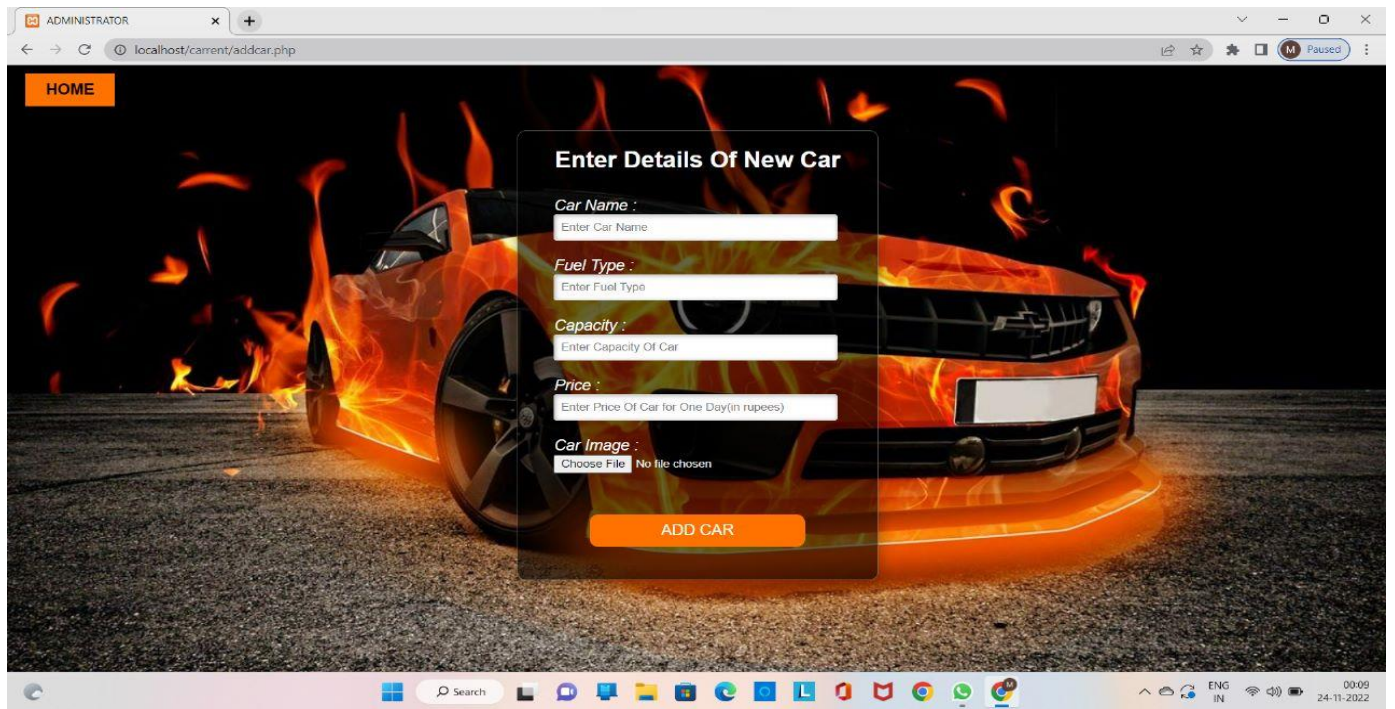
Admin login page



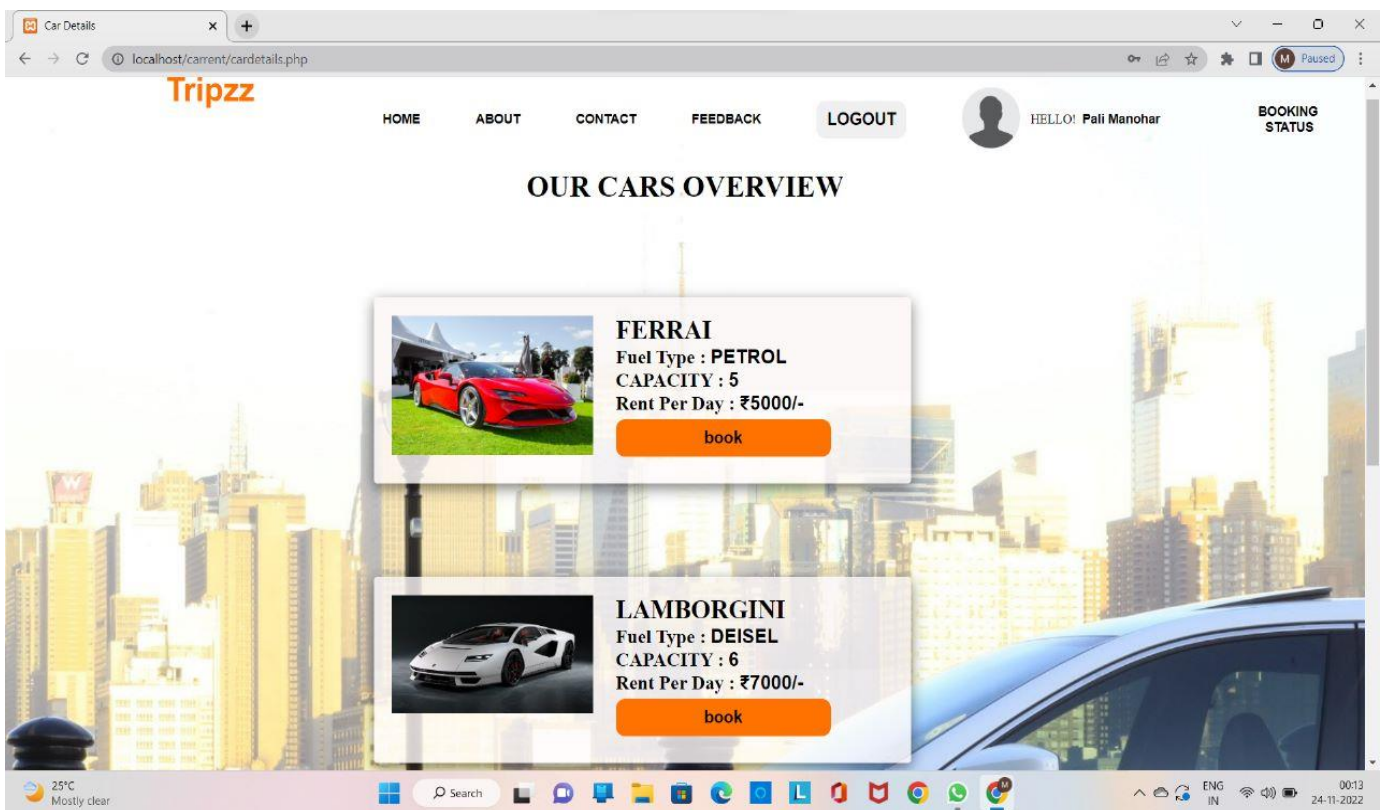
Adding new cars

Query: INSERT INTO `cars` (`CAR_ID`, `CAR_NAME`, `FUEL_TYPE`, `CAPACITY`, `PRICE`, `CAR_IMG`, `AVAILABLE`) VALUES (20, 'SWIFT', 'DEISEL', 22, 1000, 'IMG-6239c94ea8a4a0.51789849.jpg', 'Y');





Home page of user after login



Adding Users

Query: INSERT INTO `users` (`FNAME`, `LNAME`, `EMAIL`, `LIC_NUM`, `PHONE_NUMBER`, `PASSWORD`, `GENDER`) VALUES

('Maddula', 'Pavan', 'maddula@gmail.com', 'Maddula', 9912803414, 'c788b480e4a3c807a14b6f3f4b1a1ae6', 'male');

The screenshot shows the Tripzz ADMINISTRATION interface. The top navigation bar includes links for VEHICLE MANAGEMENT, USERS, FEEDBACKS, BOOKING REQUEST, and LOGOUT. The main heading is "USERS". Below it is a table with columns: NAME, EMAIL, LICENSE NUMBER, PHONE NUMBER, GENDER, and DELETE USERS. The table contains five rows of user data, each with a "DELETE USER" button.

NAME	EMAIL	LICENSE NUMBER	PHONE NUMBER	GENDER	DELETE USERS
Maddula Pavan	maddula@gmail.com	Maddula	9912803414	male	DELETE USER
Pali Manohar	palimanohar@gmail.com	MANU9955	9441389955	male	DELETE USER
purvada santosh	purvada@gmail.com	purvada	9097446666	male	DELETE USER
Subhash Rayapureddi	subhashrayapureddi2002@gmail.com	ertyui952	9515332245	male	DELETE USER
Thamarana Rajesh	thamarana@gmail.com	Thamarana	9390735701	male	DELETE USER

The screenshot shows the Tripzz ADMINISTRATION interface. The top navigation bar includes links for VEHICLE MANAGEMENT, USERS, FEEDBACKS, BOOKING REQUEST, and LOGOUT. The main heading is "BOOKINGS". Below it is a table with columns: CAR ID, EMAIL, BOOK PLACE, BOOK DATE, DURATION, PHONE NUMBER, DESTINATION, RETURN DATE, BOOKING STATUS, APPROVE, and CAR RETURNED. The table contains four rows of booking data, each with "APPROVE" and "RETURNED" buttons.

CAR ID	EMAIL	BOOK PLACE	BOOK DATE	DURATION	PHONE NUMBER	DESTINATION	RETURN DATE	BOOKING STATUS	APPROVE	CAR RETURNED
2	palimanohar@gmail.com	Vijayawada	2022-11-23	6	9441389955	Rajahmundry	2022-11-28	UNDER PROCESSING	APPROVE	RETURNED
4	subhashrayapureddi2002@gmail.com	PATNA	2022-11-23	1	9515332245	HYDERABAD	2022-11-25	RETURNED	APPROVE	RETURNED
1	subhashrayapureddi2002@gmail.com	PATNA	2022-11-23	10	9515332245	HYDERABAD	2022-11-30	RETURNED	APPROVE	RETURNED
1	subhashrayapureddi2002@gmail.com	PATNA	2022-11-23	5	9515332245	HYDERABAD	2022-11-27	RETURNED	APPROVE	RETURNED

Feedbacks

Query: INSERT INTO `feedback` (`FED_ID`, `EMAIL`, `COMMENT`) VALUES

(12, 'maddula@gmail.com', 'Hi.....\r\n');

Home x +

localhost/current/feedback/Feedbacks.php

Go To Home

F

eedback.

Name:

User name

Email:

User Email

Comments:

Message

SUBMIT

25°C Mostly clear

ADMINISTRATOR x +

localhost/current/admindash.php

Tripzz

VEHICLE MANAGEMENT USERS FEEDBACKS BOOKING REQUEST LOGOUT

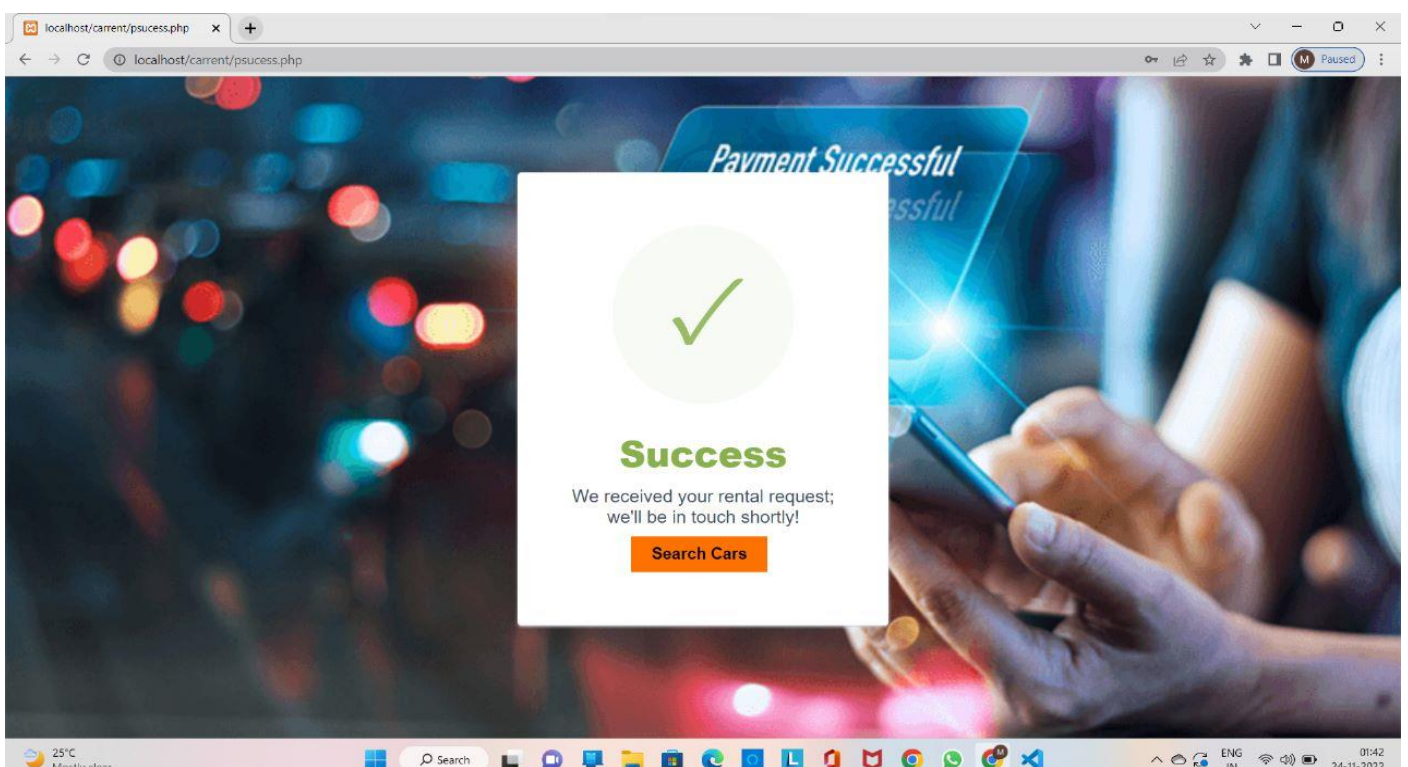
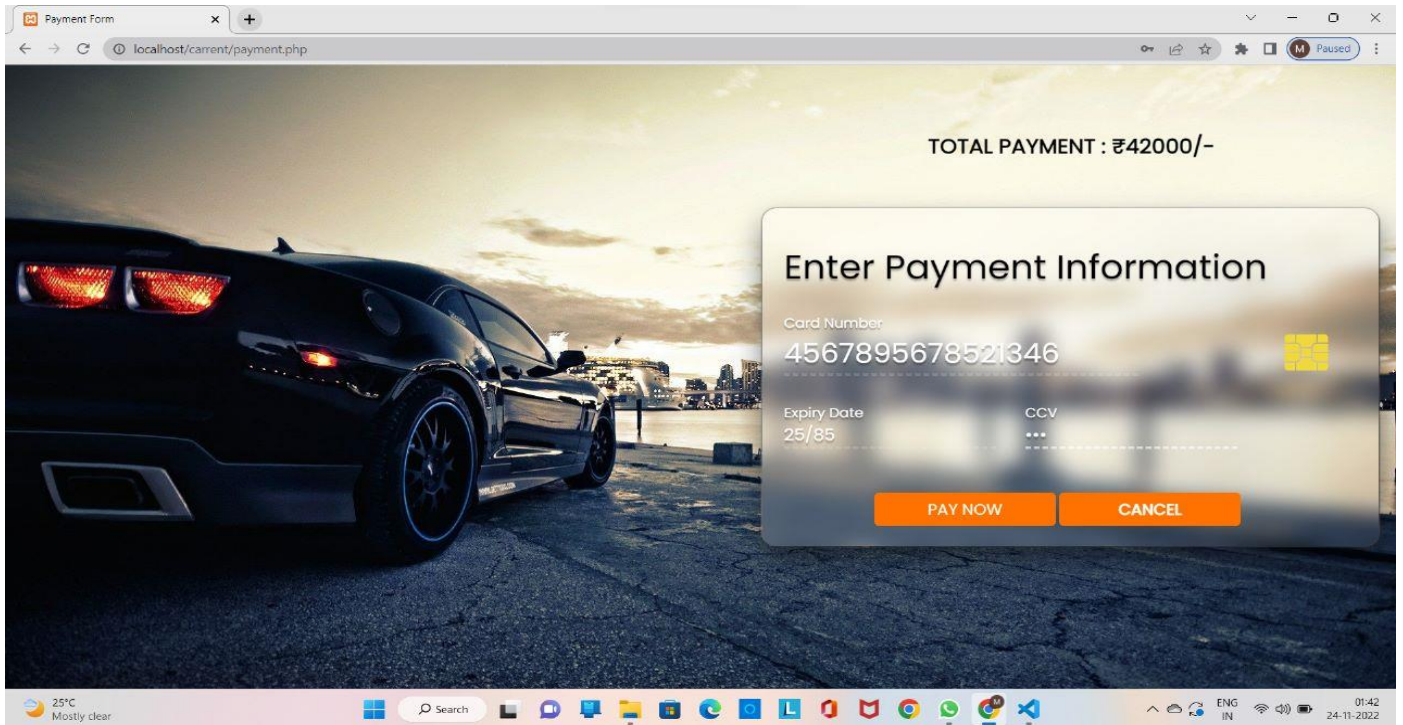
FEEDBACKS

FEEDBACK_ID	EMAIL	COMMENT
11	palimanoah@gmail.com	Nice availability of cars
12	maddula@gmail.com	Hi.....

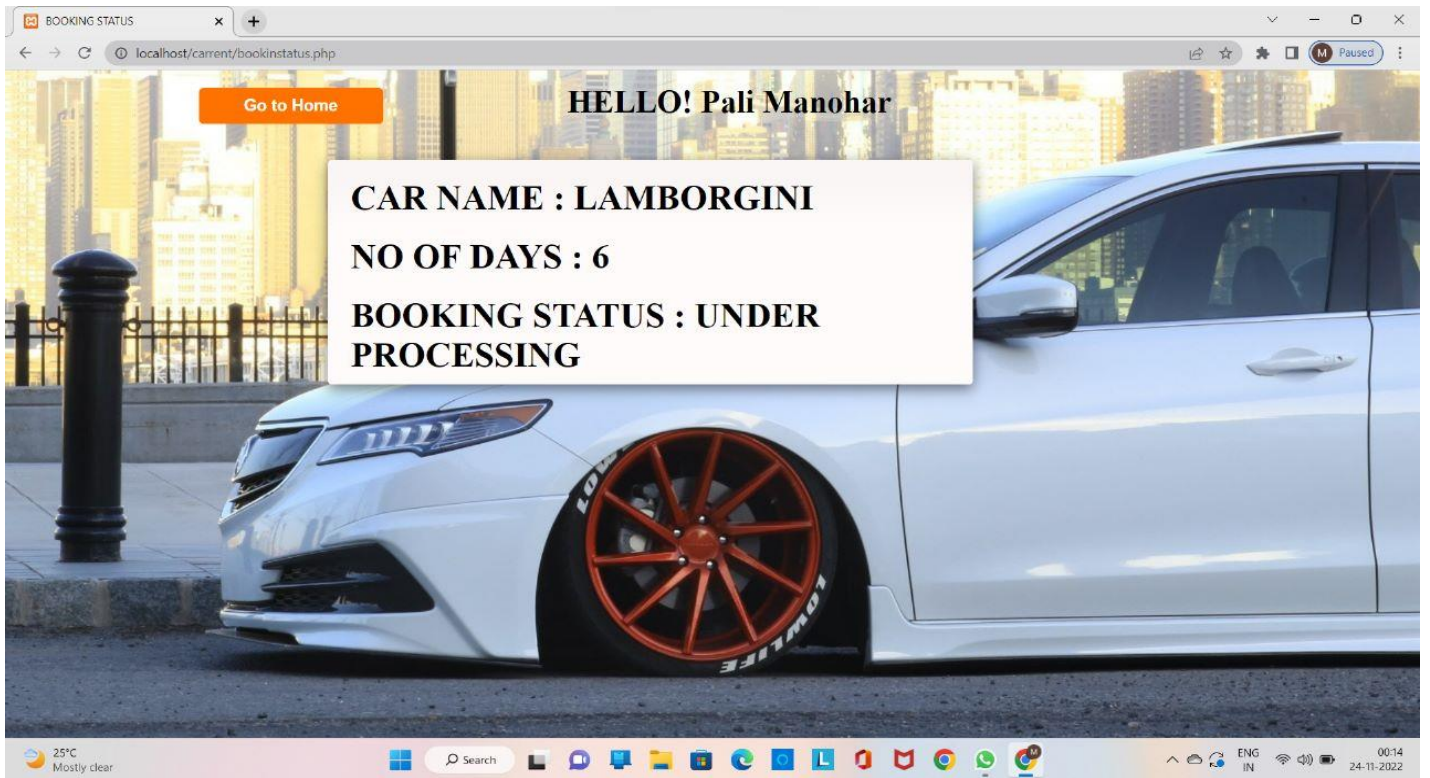
25°C Mostly clear

Payment

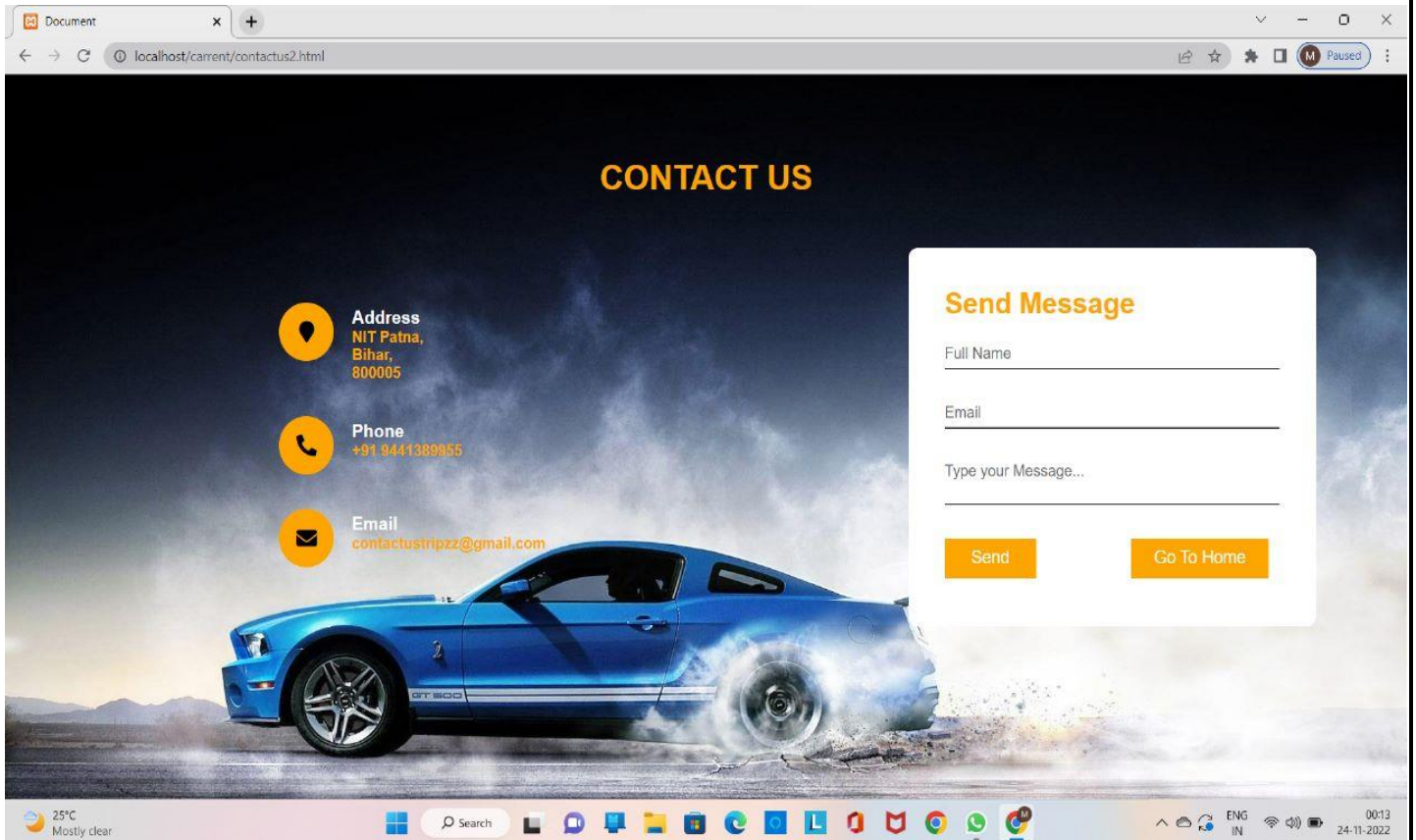
Query: INSERT INTO `payment` (`PAY_ID`, `BOOK_ID`, `CARD_NO`, `EXP_DATE`, `CVV`, `PRICE`) VALUES
(29, 75, '4567895678521346', '25/85', 333, 42000);



Booking Status



Contact



CONCLUSION:

Online Car Rental Portal is user-friendly and customized software for car renting company. Online Car Rental Portal has been developed to manage and automate the overall processing of any large car renting company. Online Car Rental Portal project is capable of managing cars, booking, feedbacks, payment etc. It is a user friendly and customized software for providing support for company admin. This project is a very flexible software and it can be upgraded according to the individual needs.

What can be done in future:

The ongoing development in information technology and internet penetration will greatly improve various corporate processes between service providers and their customers of which the car rental market is not left out.

THE END

Tripzz VEHICLE MANAGEMENT USERS FEEDBACKS BOOKING REQUEST LOGOUT

FEEDBACKS

FEEDBACK_ID	EMAIL	COMMENT
11	palimanohar@gmail.com	Nice availability of cars
12	maddula@gmail.com	Hi.....

Adding Users

Query: INSERT INTO `users` (`FNAME`, `LNAME`, `EMAIL`, `LIC_NUM`, `PHONE_NUMBER`, `PASSWORD`, `GENDER`) VALUES('Maddula', 'Pavan', 'maddula@gmail.com', 'Maddula', 9912803414, 'c788b480e4a3c807a14b6f3f4b1a1ae6', 'male');

Tripzz VEHICLE MANAGEMENT USERS FEEDBACKS BOOKING REQUEST LOGOUT

USERS

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puvvada sautosh	puvvada@gmail.com	puvvada	9097446666	male	DELETE USER
Subhash Rayapureddi	subhashrayapureddi2002@gmail.com	ertyui952	9515332245	male	DELETE USER
Thamarana Rajesh	thamarana@gmail.com	Thamarana	9390735701	male	DELETE USER