PROJECT REPORT

1.Title: Online car booking system.

2.Aim/Objectives:

The objective of this project is to manage overall car services like the details of customers, employees, payments, car bookings and cars. All the payment details and car details can be tracked by the users. Users can book and cancel their cars by logging in. This application reduces the manual work for managing the data records. Manual work is very hard and time consuming and requires a lot of paperwork. This project aims at offering the best of car booking services to the customers in need. It will have all kinds of cars ranging from normal budget cars to high end luxurious cars. This application is easily accessible, trustworthy and reliable.

Functionalities of this application:

- This application manages all the car booking details like customer details, payment details, pick up and dropping points.

- It tracks all the information of these bookings.

- It will provide the description of all the available cars and services.

- It can also monitor the payment details of the bookings.

- Clients can cancel their order in time.

- Users will get a confirmation of their bookings after booking.

- They can change passwords by clicking the forget password link anytime.

- Clients can choose if they want a driver or not.

- Different distances have different costs.

● This project is very flexible so new features can be added in the future as required.

3.Abstract:

This project is being considered in order to reduce and eliminate customer loss to competitors. The current system is manual and it is time consuming. It is also cost ineffective , and average return is low and almost diminishing. Currently, customers call or walk in in order to rent/ reserve a vehicle. The software will check their file to see which vehicle is available for rental. The goal of this Online Cab system is to automate vehicle rental and reservation so that customers do not need to walk-in or call in order to reserve/book a vehicle.

Users can go online through the application and reserve preferred vehicles that they want from the inventory of those available vehicles. The Online Cab Booking System will maintain the database of all vehicles available and also will keep data of all the vehicle reservations done and returned. Generation of reports will be done weekly.

4.Technologies used:

Language used	HTML, Java script, CSS, Bootstrap,PHP
Database	MySQL
Web browser	Chrome, Mozilla, Opera, etc. (Any browser would do)
Operating System	Windows XP/7/8/10
RAM	256 MB or more
Processor	Pentium IV or higher

5.Algorithm:

START
Step1:
User login / Signup:

- This application manages all the car booking details like customer details, login details, car details, payment details, and pick up and dropping points.
- To sign up for this service. Attributes include Email, username, Password.
- Customer sign up/login details are stored in the database. Attributes include username and password. Username is unique for every person.
- Customers can login with these unique details which they used to sign up for the website.
- Customers can use this website with or without logging into it.

Step2:

Home Page:

- The home page includes options such as services, contact us, about us and register button.

Step3:

Car details:

- It will provide the description of all the available cars and services.
- Customers have to select a car from the list of available cars. Attributes include carselection

Step4:

Car booking details:

- After selecting the car, it will lead the customer to the booking page where they can see the detailed information about the car, car price and drivers. Attributes include Selected car, Driver and Total expenses.
- Different distances have different costs. This application will calculate the cost based on the user inputs.

Step5:

Payment details:

- Payments can be made when they are booking a car. Attributes include Name, Paid.

Step6:

Customer details:

- Before booking the car, customers need to fill in their personal details like their name, pick up and drop off points, email address, phone number, etc. Attributes include First Name, Last Name, EMAILID, Picking address, Dropping address, Pickup date, Drop date, State, ZIP CODE.
- Users will get a confirmation of their bookings after booking.

Step7:

Booking Confirmation page:

- Once they book their car, it will lead them to a booking confirmation page.

Step8:
About us:
On the about us page, we will learn more about the website and the managing company.

Step9:
Contact us:

- To Contact the owner, Customers can use the Contact us option that is available on the website. Attributes include Contact us.
- It will lead to a page where the customers can message the owner by providing their name, email address and mobile number. Attributes include Name, Email, Message, Mobile number. **End**

ER Diagram:
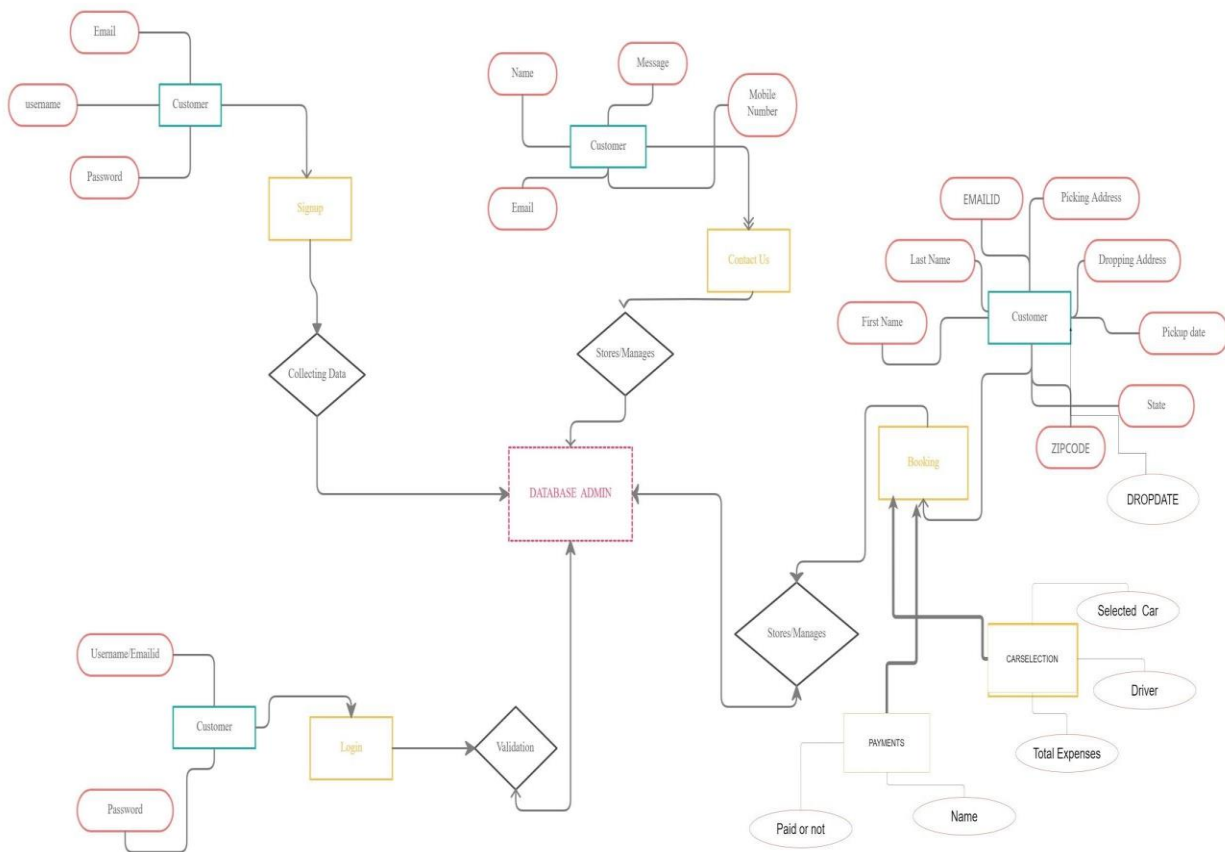
6.Sample input and output: HomePage:
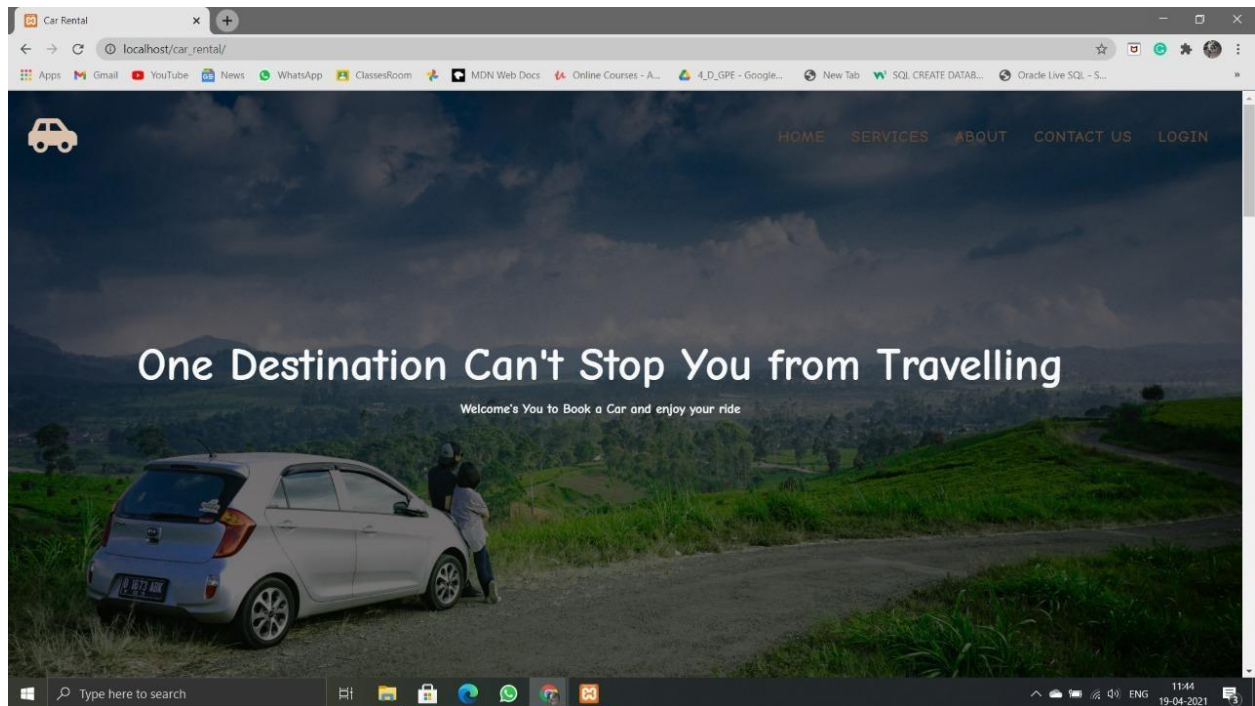
Services Page:
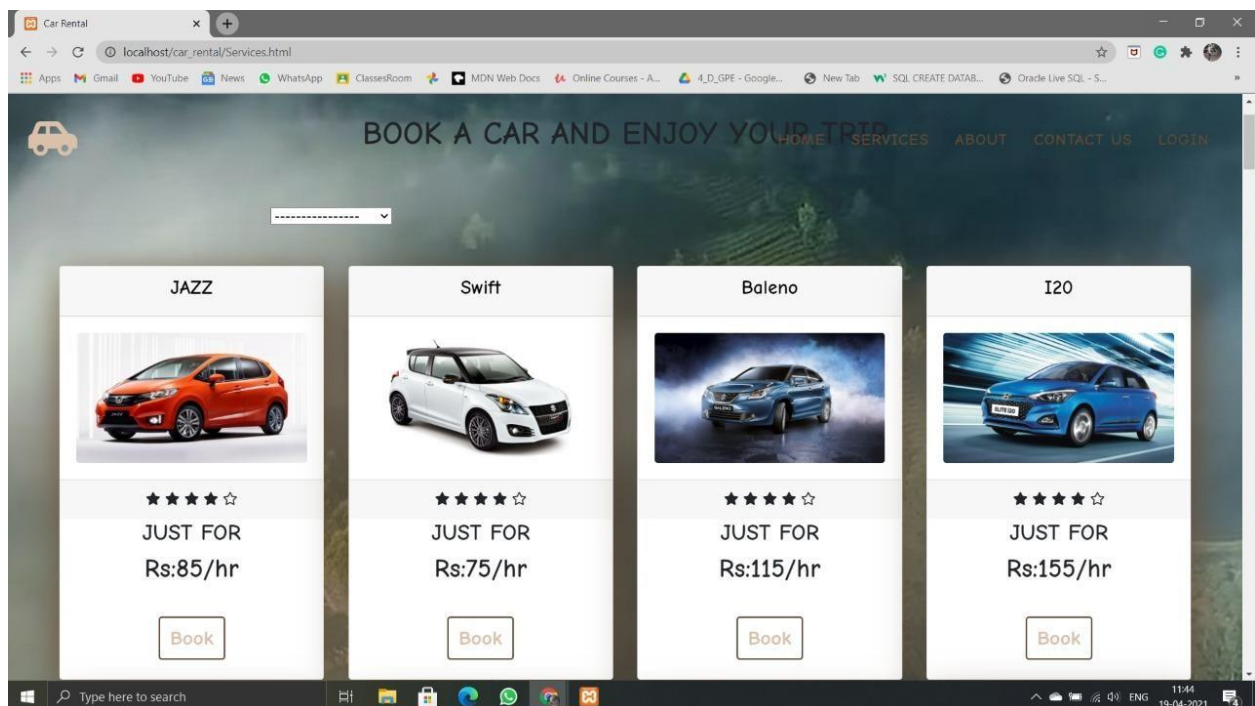
Once a customer finds their preferred vehicle from all the available vehicles they can click on the Book button that is provided for that particular vehicle. It will take them to this page below **Booking Page:**

Here the customer can provide their details like their name, email address, pick up and drop off locations, times and their credit/debit card details to make the payment. Once they fill up all the details, our website will automatically calculate the fare based on the car and number of hours. Then they can click on the Book button that is provided there.

Booking Confirmation Page:

Thank you For Booking a wonderful Car
Our Executive will reach you soon In next
20minutes Regarding the Order Placed
Have Enjoyful and Happy Trip....Happy Journey
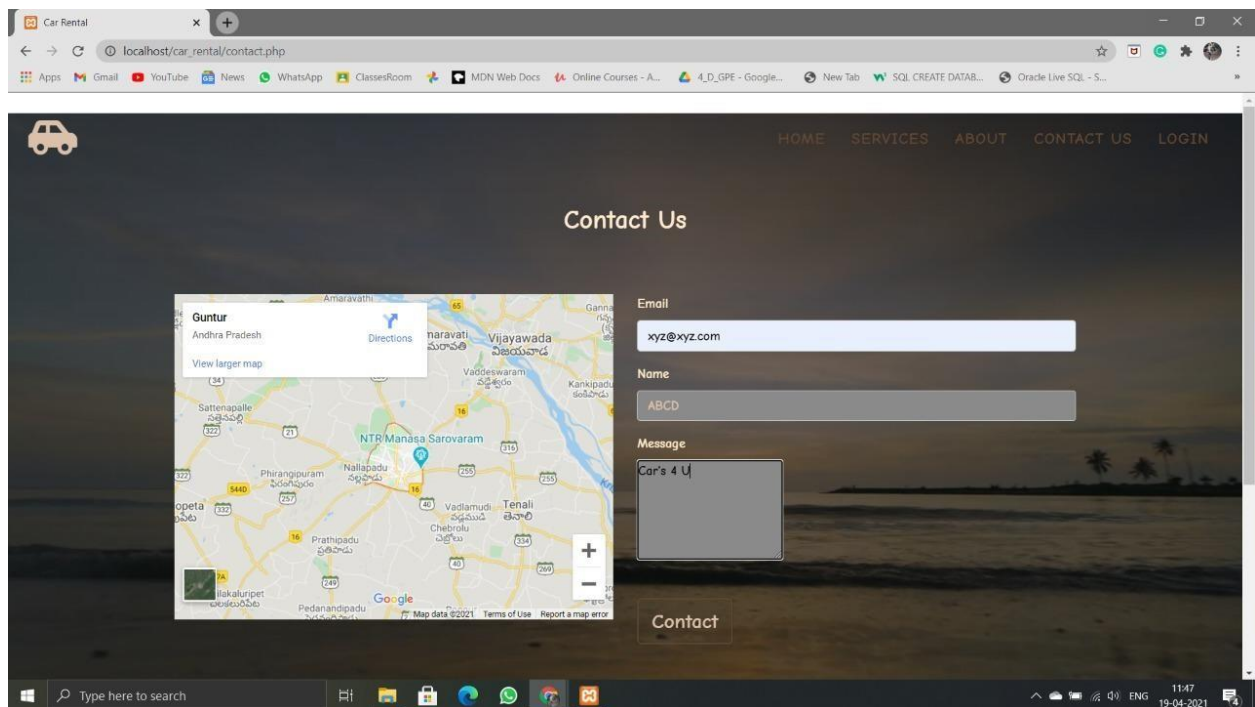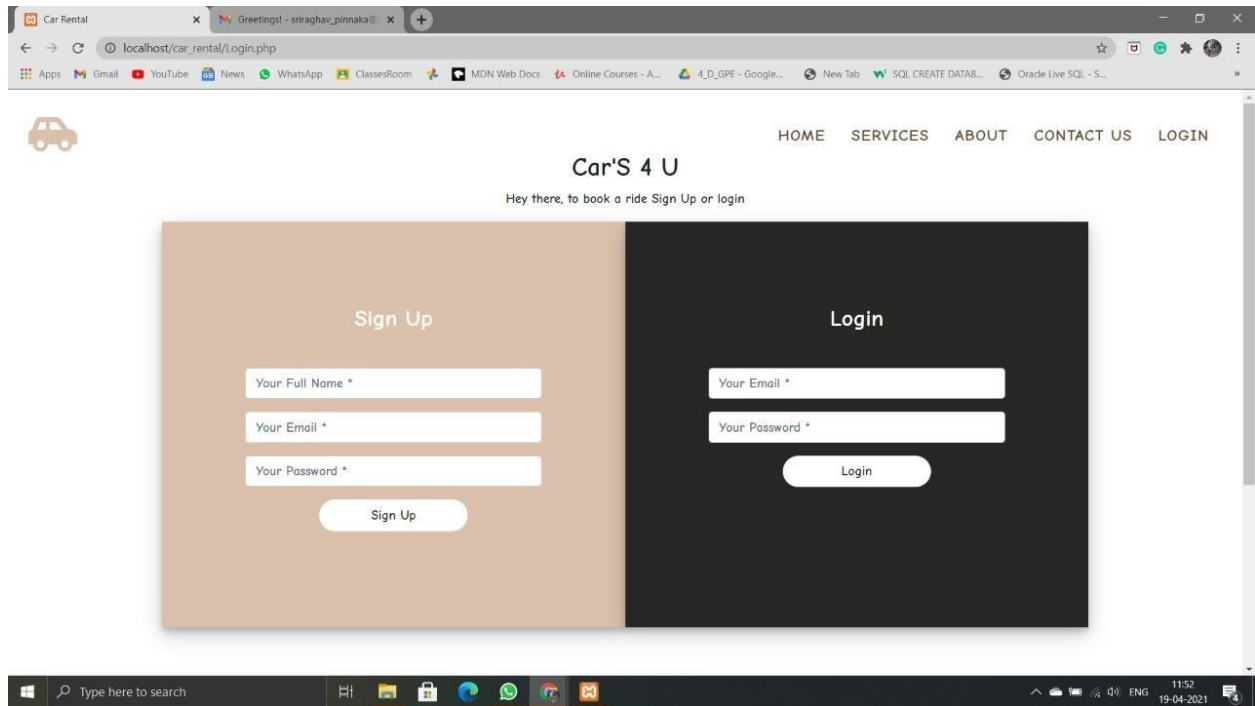
Drive Safe...Be Happy

Contact Us Page:

Customers can provide their email address , name and can write their message in the box here and can send it to us by clicking the contact button.
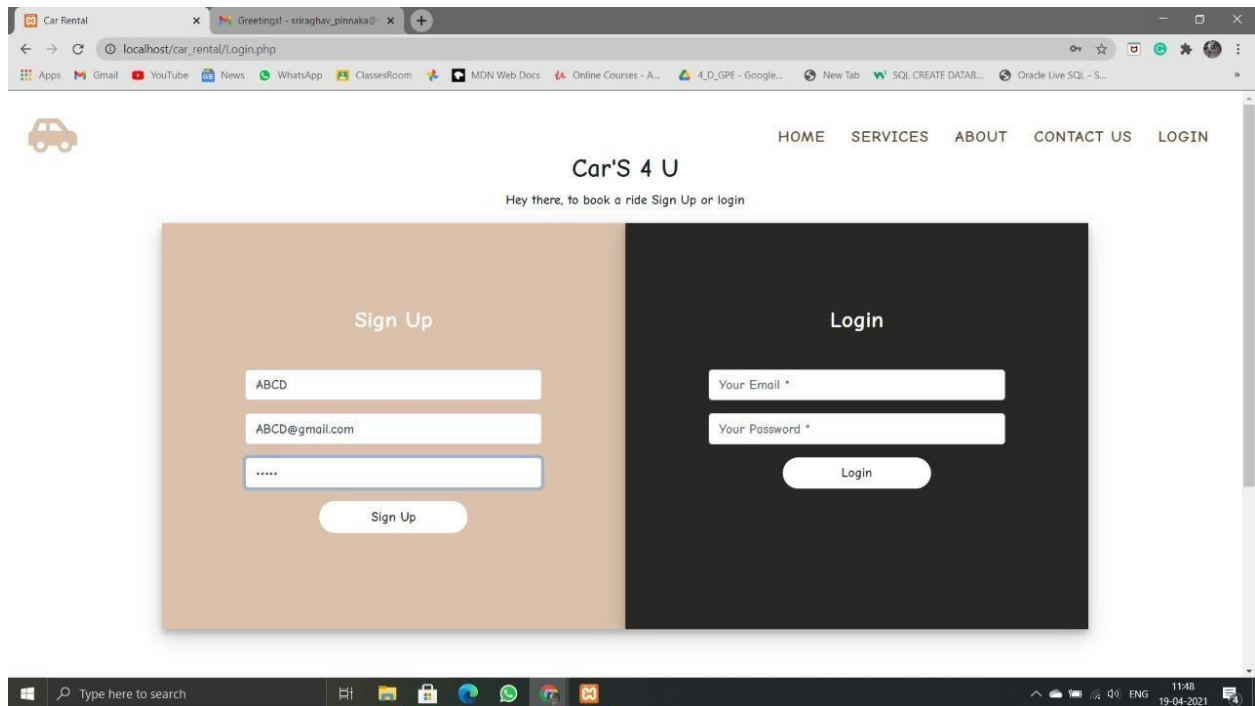

Signup/Login Page:

If the customers are already registered then they can login directly. If they are not registered they can first sign up and then login.
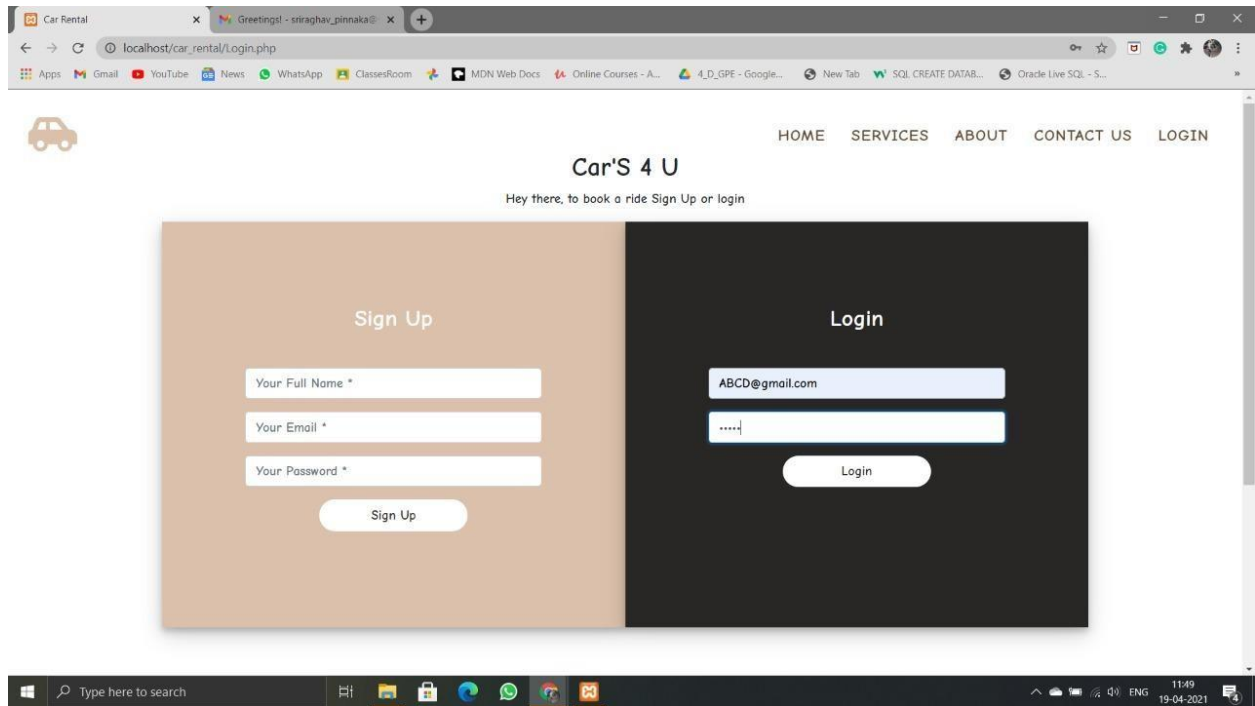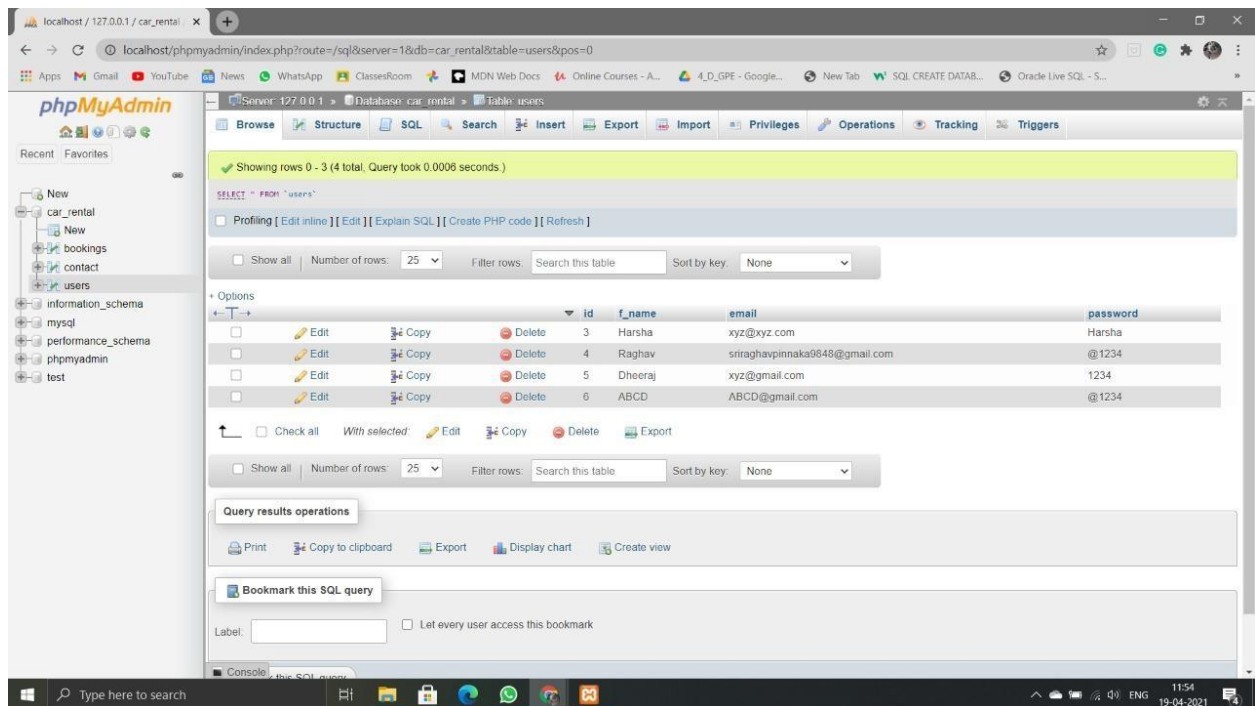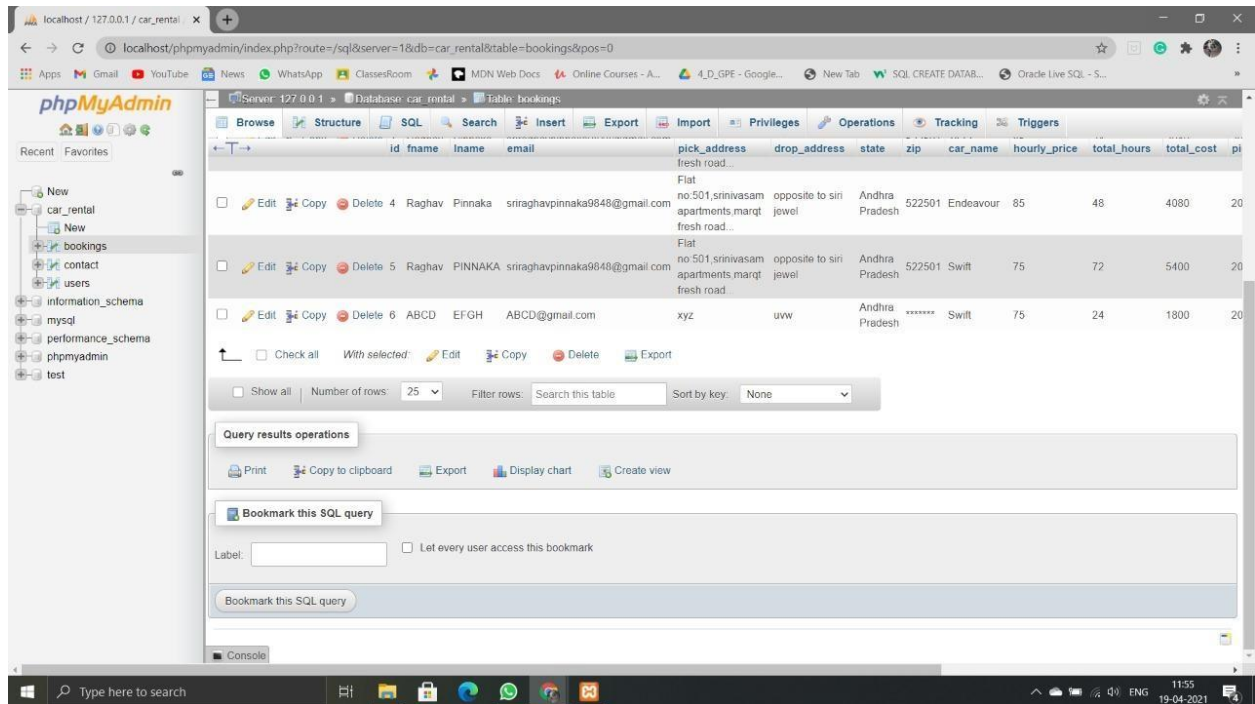
For Sign up:

For Login:

Signup/Login details Database:

Once a customer signs up for the website, their details will be saved in the database.

Booking Details database:

Once the customer makes a booking, The details of their bookings will be saved in the database.

Contact Us database:

Once the customers fill their database and sends their message, their messages will be saved in the database which can be viewed by the admin/manager.
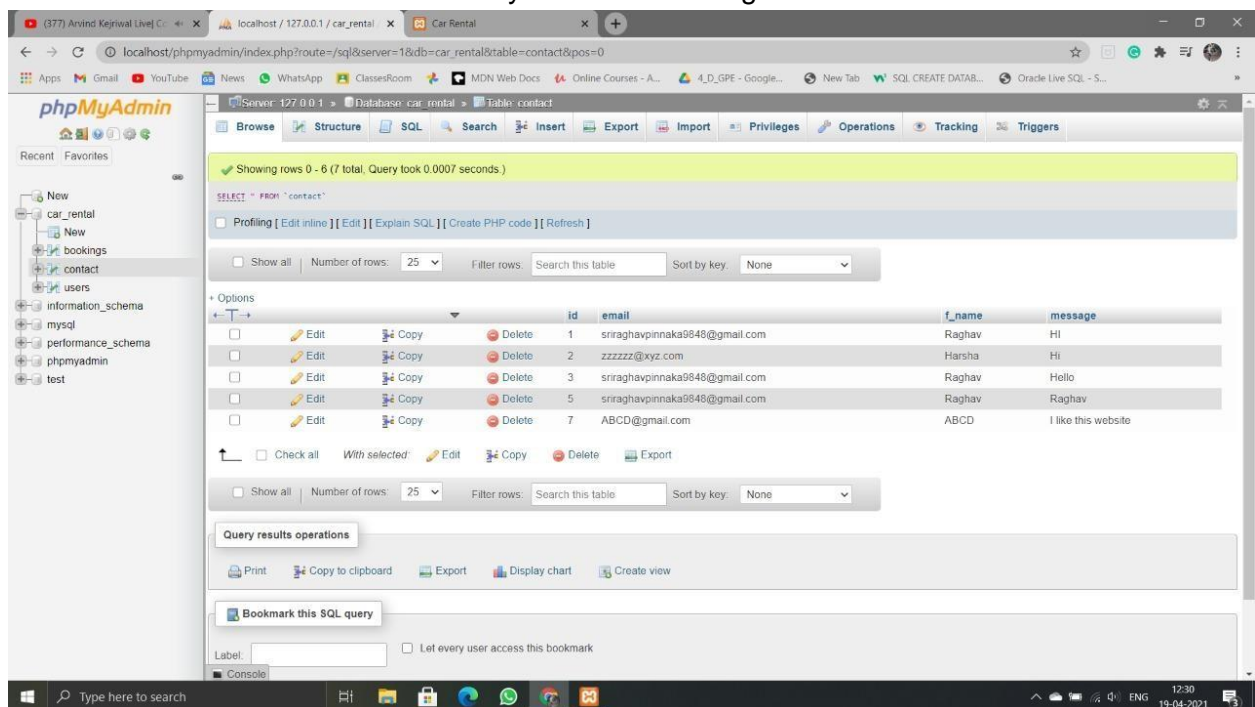
7.End user:

This application can be used by everyone who needs a car for their travel. This web based car booking application has offered an advantage to both clients as well as companies to effectively manage the business and satisfy the customer needs. It needs no formal knowledge to use this system. This system will allow the users to book a car according to their budget. This offers a door step delivery and pick up. This will be helpful for the users as it reduces the work time. Also it allows them to track and manage their information efficiently which increases productivity.

- It provides better service.
- Less manpower required to make and store booking details.
- Security of the data is provided.
- Better efficiency.
- More accuracy.
- Easy for manager/admin to track the orders and payment details. ● Allows users to cancel their orders easily.

8.Conclusion:

In today's world it is very difficult to travel by manually filling all these details. If they are new to a city, it will be very difficult for them to travel from one place to another. This Online Car Booking System will come handy in such situations. It will allow people to select a vehicle according to their preferences. This will avoid all the confusions and mess that is caused. Also it will save so much time as they can access this website from anywhere at any time.

This Online Car Booking System also provides the facility to make online payments. There is a DATABASE. This is a website which works online and any one can use this service. So the customers no longer needed to make calls to make a booking and the car managing services no longer needed to make a record of them manually. They can just check their DATABASE for the bookings. The payments can be made very securely.