IT7613 - INTEGRATED PROGRAMMING LAB LAB PROJECT

A. Murugan

Project application title : Online Car Rental System

Project description:

In this project, there is two main modules admin module and customer module.

The customer can register himself/herself in the platform by using the registration form. After successful registration the customer can sign in to the website to reserve the car.

The customer password is hashed and stored in database. The hashing technique used is **SHA-1 hashing algorithm**.

After successful sign-in by the customer, the customer can see the list of cars available.

From that list of cars available the customer can choose the car he wants and he wants to fill the pickup and destination locations and he also wants to fill the pickup and drop off dates of the car and he wants to give his license number and after this he is redirected to the page to send his reservation id to his **mail** by clicking a button.

Now the car is successfully reserved and the customer can go to the admin place to pick the reserved car.

The customer tells the admin the reservation id and admin validates it and collects his credit card details and give the car he reserved.

After the customer returns the car, the admin enters the reservation id and carid in a form and the website updates the info that the car is returned and the credit car details of the customer is removed and the returned car is now available to others.

The **final receipt** is sent to the customer email after he returned the car.

The entire details are stored in history table. It shows the date and time when the customer returned the car and also total rent and other details that we have.

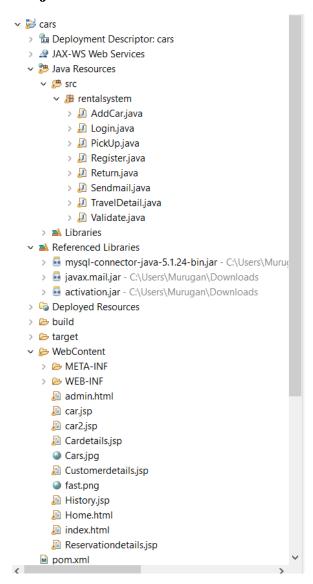
The admin also having the feature to view the customer details, reservation details, car details and history.

IDE used: Eclipse IDE

Server used: Tomcat (XAMPP)

Database used: MySQL (XAMPP)

Project structure:

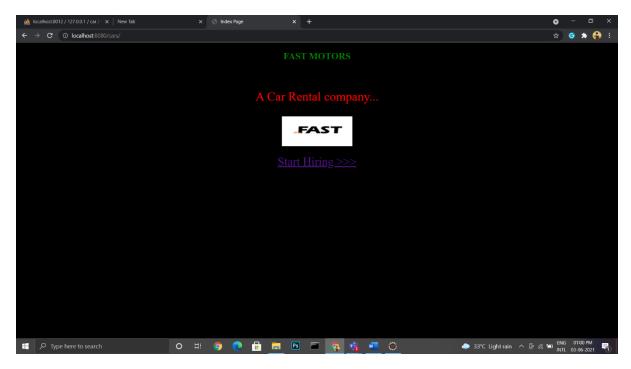


Source code:

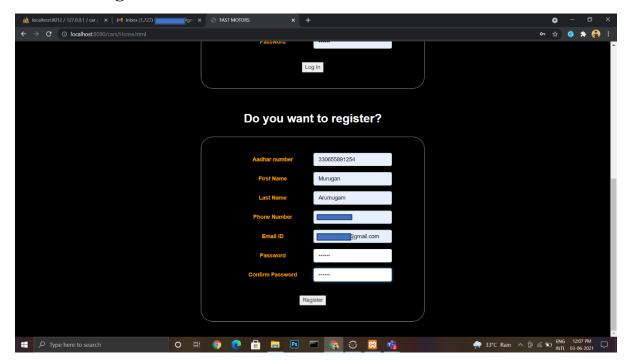
The source code is attached in the assignment and the zip code for the source code is named as 2018115059_ Online_Car_Rental_System.zip

Output Screenshots:

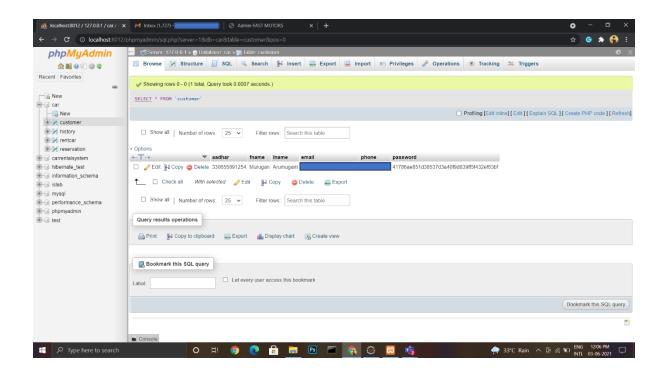
index page



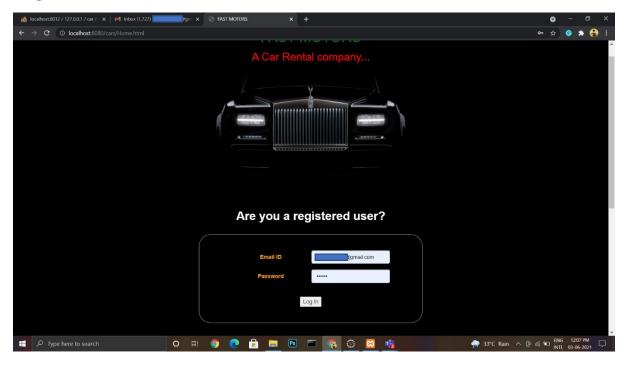
Customer registration form



The registered customer's password is hashed and stored in database. The hashing technique used is **SHA-1 hashing algorithm**.



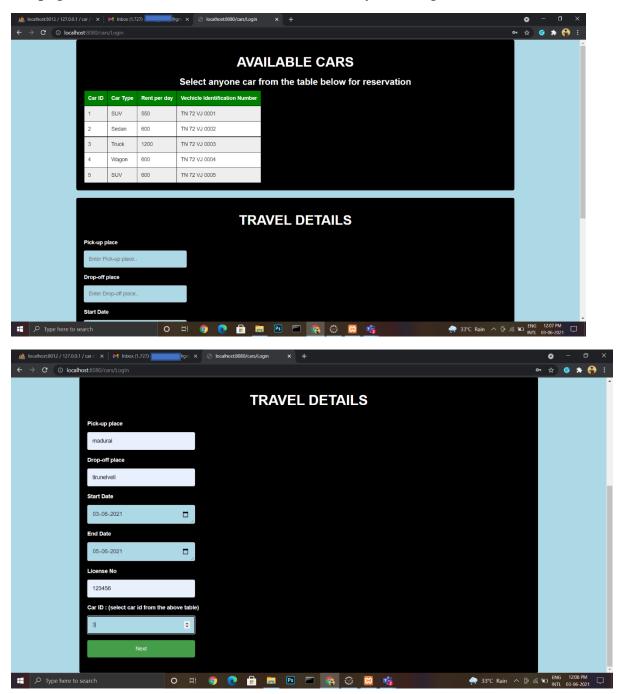
Login form for both admin and customer



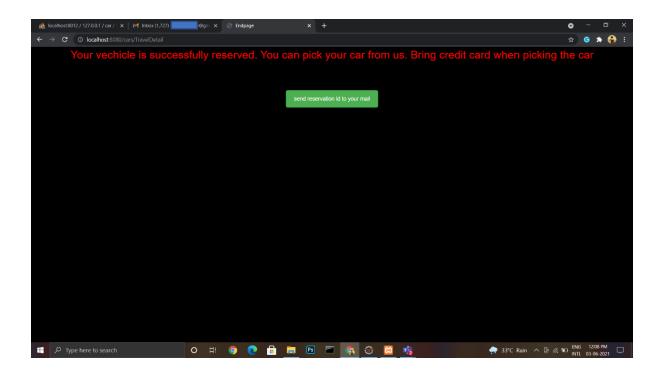
Customer side:

This page is shown after signin and After successful sign-in by the customer, the customer can see the list of cars available. From that list of cars available the customer can choose the car he wants and he wants to fill the pickup and destination locations and he also wants to fill the pickup and drop off dates of

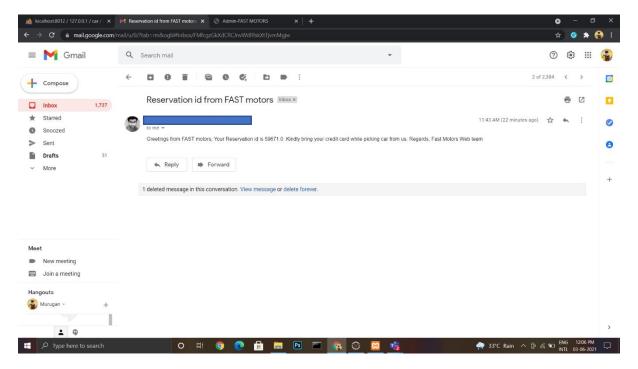
the car and he wants to give his license number and after this he is redirected to the page to send his reservation id to his **mail** by clicking a button.



Reservation page and clicking this button sends mail to the customer



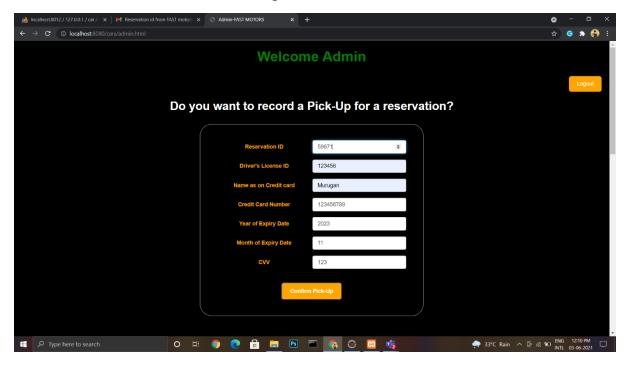
Email is sent to the customer with the reservation id



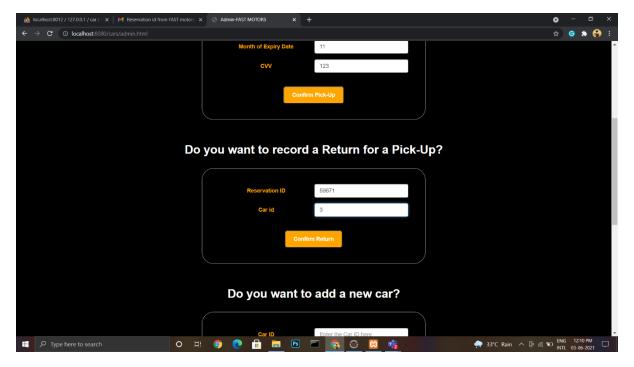
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Admin side:

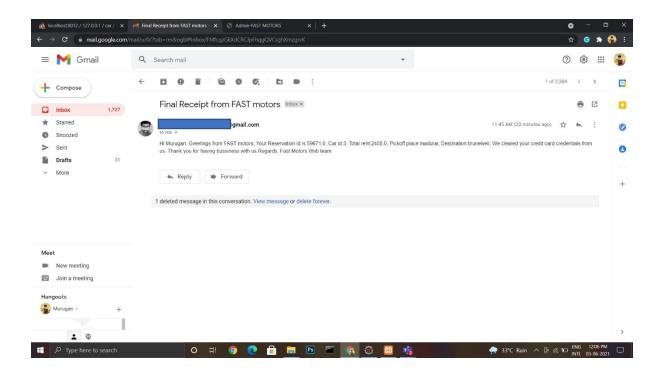
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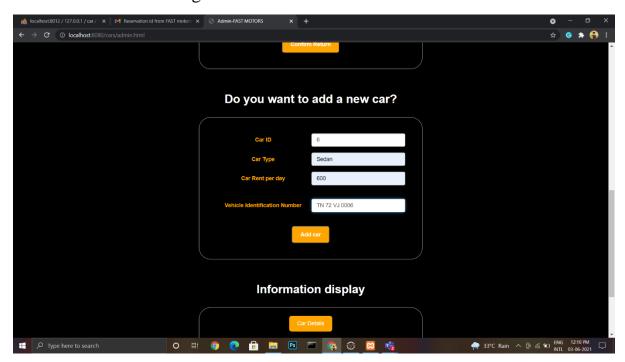
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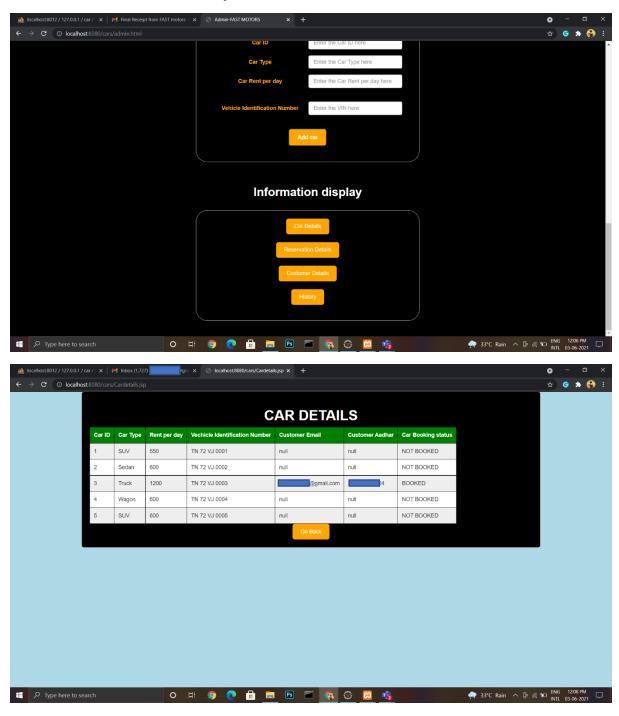


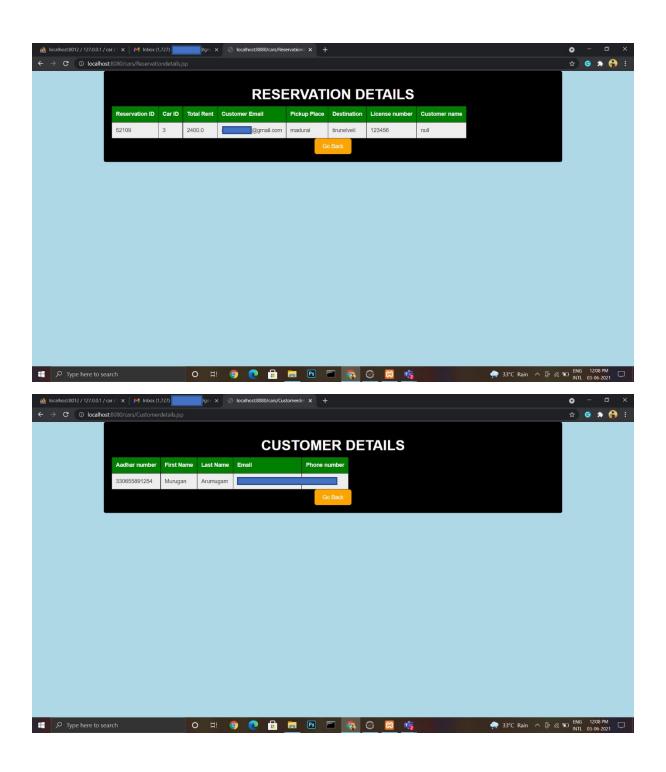
The admin has the feature to add the new car in the portal which is available to the customer for booking.

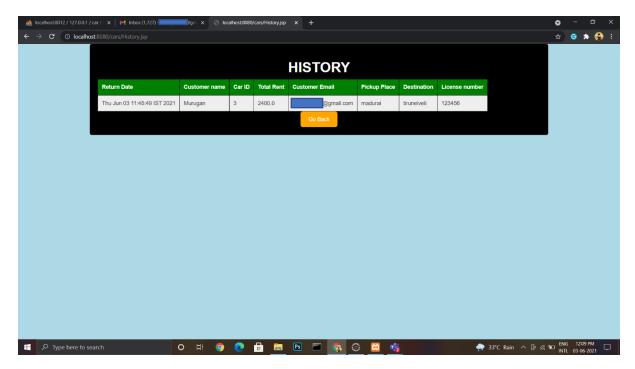


The entire details are stored in history table. It shows the date and time when the customer returned the car and also total rent and other details that we have.

The admin also having the feature to view the customer details, reservation details, car details and history.







Database structure:

(Customer table, history table, reservation table, rentcar table)

