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Web Tech Final Project Documentation

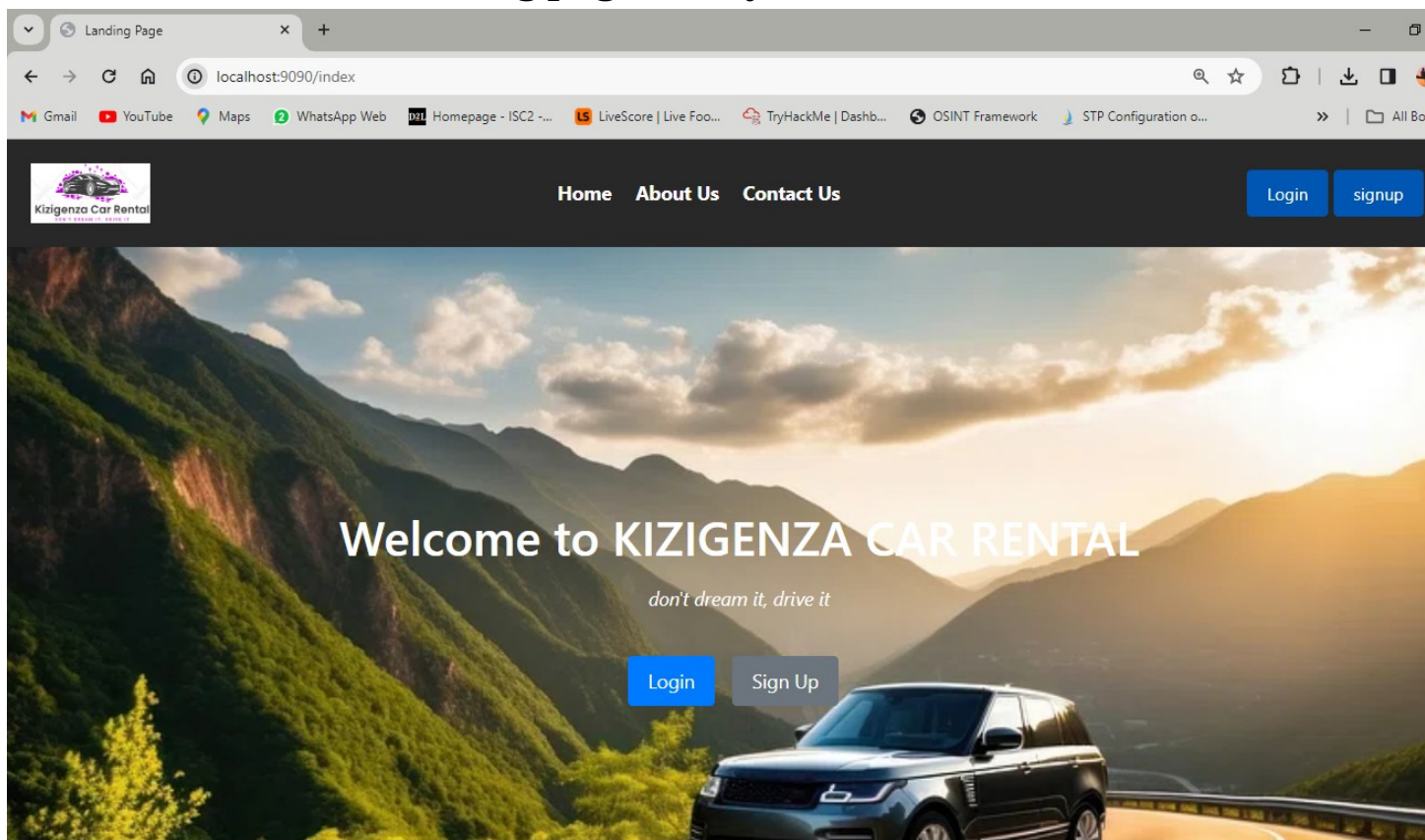
Name Of the Project: Kizigenza car rental

Objective

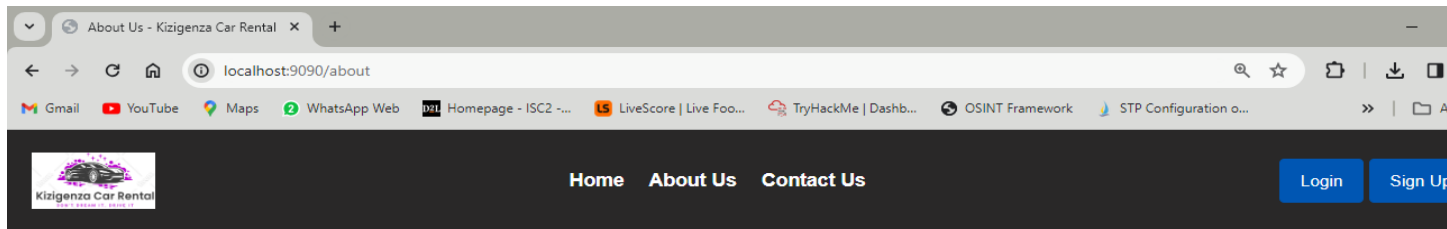
Kizigenza Car Rental aims to provide a platform where users can easily rent or book cars online. The system will facilitate users to browse available cars, make bookings, manage their reservations, and receive email notifications regarding their bookings.

Functionalities

Landing page of a system



About Us



About Kizigenza Car Rental

Kizigenza Car Rental is a renowned car rental company based in Kigali. We provide an extensive fleet of vehicles for rental purposes, catering to various needs and preferences of our clients.

Our car renting services encompass a wide range of vehicles, including sedans, SUVs, trucks, and luxury cars, all maintained in top-notch condition to ensure a comfortable and safe ride for our customers.

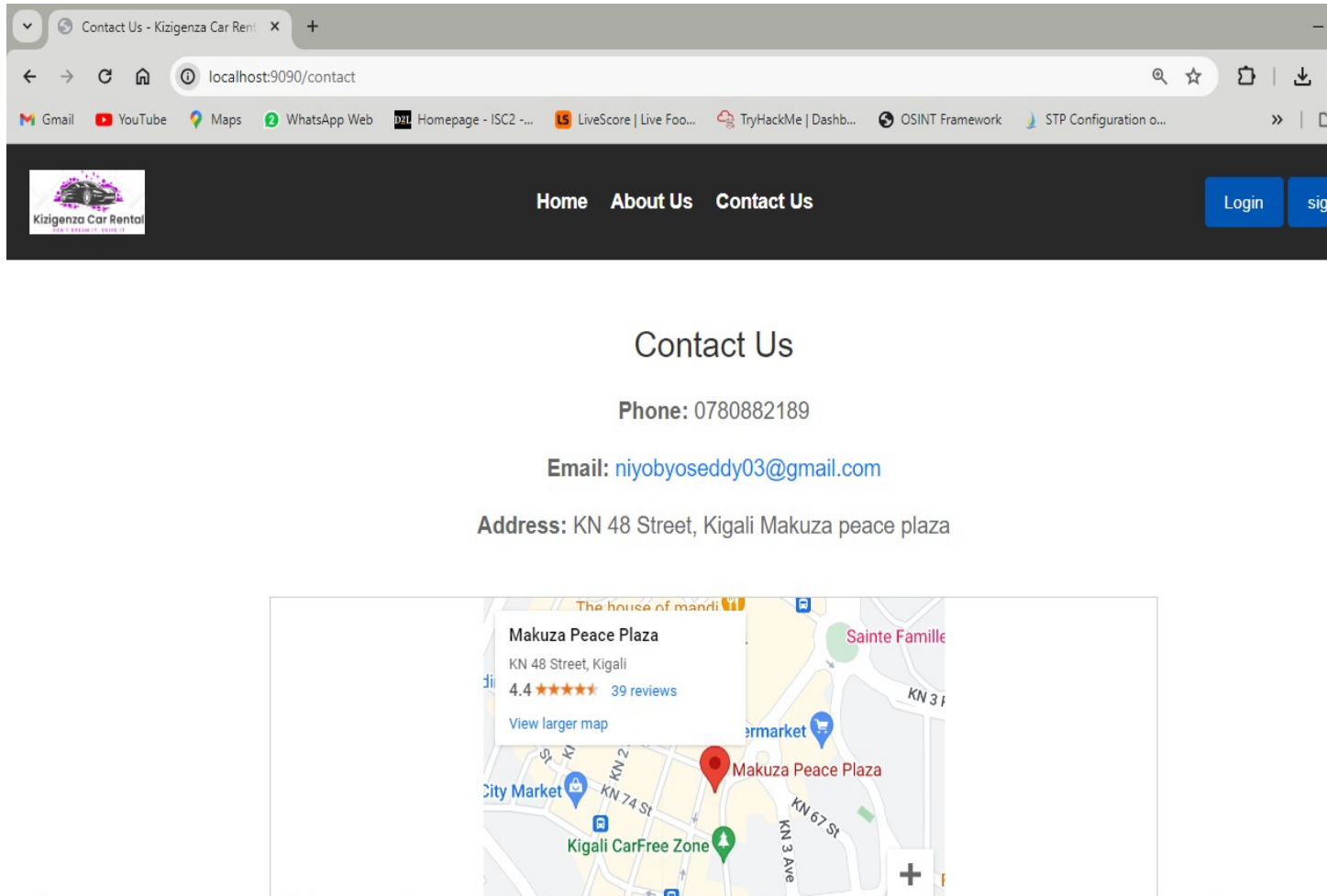
In addition to car renting, we also specialize in car selling, offering a diverse selection of quality pre-owned vehicles at competitive prices. Our aim is to provide reliable and affordable options to meet the diverse needs of our customers.

Moreover, we excel in car repairing services, with a team of skilled technicians and state-of-the-art facilities, ensuring efficient and effective repairs for all makes and models of vehicles.

Furthermore, our transportation services are tailored to accommodate both individual and group travel requirements, ensuring convenience and comfort while traversing various routes in and around Kigali.

Additionally, at Kizigenza Car Rental, our values revolve around offering more than just vehicles; we are

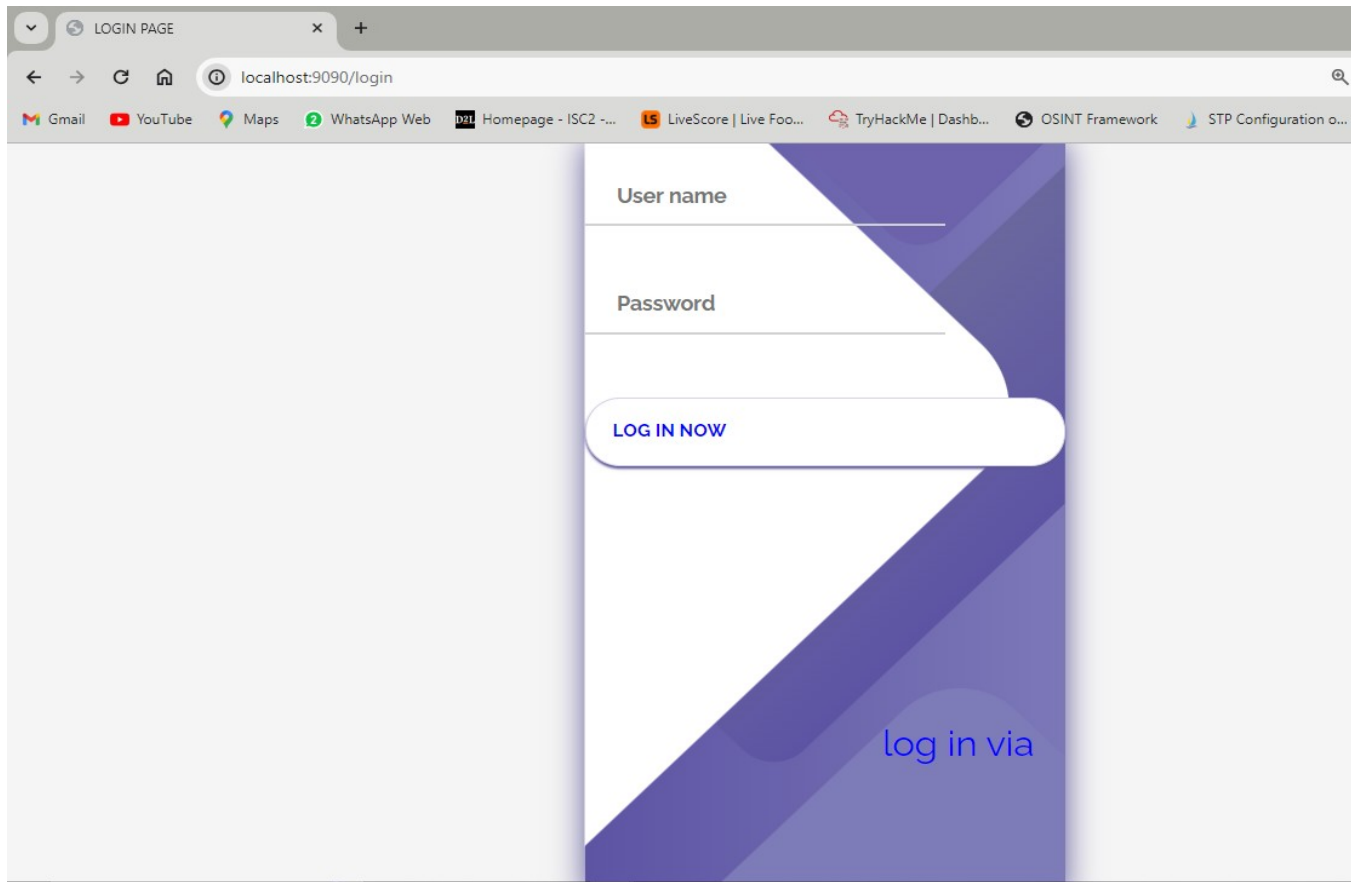
Contact Us



1. **User Registration and Authentication:**

- ✓ Users can create accounts and log in securely to access the car rental system.
- ✓ Signup might require details such as name, email, and also password.

Login



Signup

The screenshot displays a web browser window with the address bar showing 'localhost:9090/signup'. The browser's tab is labeled 'SignUp Form'. The page content is a registration form titled 'SignUp Form'. The form contains the following elements:

- Username:** A text input field with the placeholder text 'Username'.
- Password:** A text input field with the placeholder text 'Password'.
- Confirm Password:** A text input field with the placeholder text 'Confirm Password'.
- Email:** A text input field with the placeholder text 'Email'.
- Type of user:** A dropdown menu currently showing 'Admin'.
- Agreement:** A checkbox followed by the text 'I Agree To The Terms & Conditions'.
- Submit:** A blue button labeled 'SIGNUP'.
- Footer:** A link that reads 'Don't have an Account? [Login Now!](#)'.

2. **Car Listings and Details:**

- ✓ The system displays a list of available cars with details like make, model, year, rental rates, availability status, and images.
- ✓ Users can search, filter, and view detailed information about each car, including specifications and rental terms.

Customer dashboard

CUSTOMER DASHBOARD

View Registered Users

localhost:9090/home

Gmail

YouTube

Maps

WhatsApp Web


Homepage - ISC2 ~...

LiveScore | Live Foo...

TryHackMe | Dashb...

OSINT Framework

STP Configura



Home

About Us

Contact Us

Registered Cars List

Enter Plate Number



CUSTOMER DASHBOARD

View Registered Users

localhost:9090/home

Gmail

YouTube

Maps

WhatsApp Web


Homepage - ISC2 ~...

LiveScore | Live Foo...

TryHackMe | Dashb...

OSINT Framework

STP Configuration o...



Car Id: 3

Plate Number: RAF687H

Model: Dodge chager hellcat

Year: 2022

Status: Available

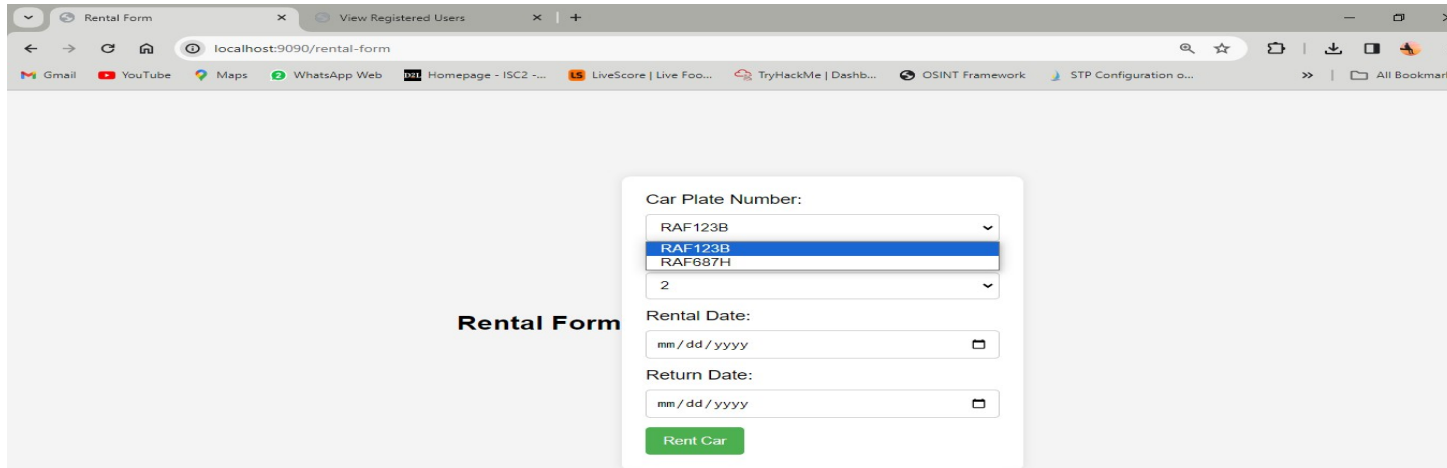
Customer ID: 2

Book

3. Booking Process:

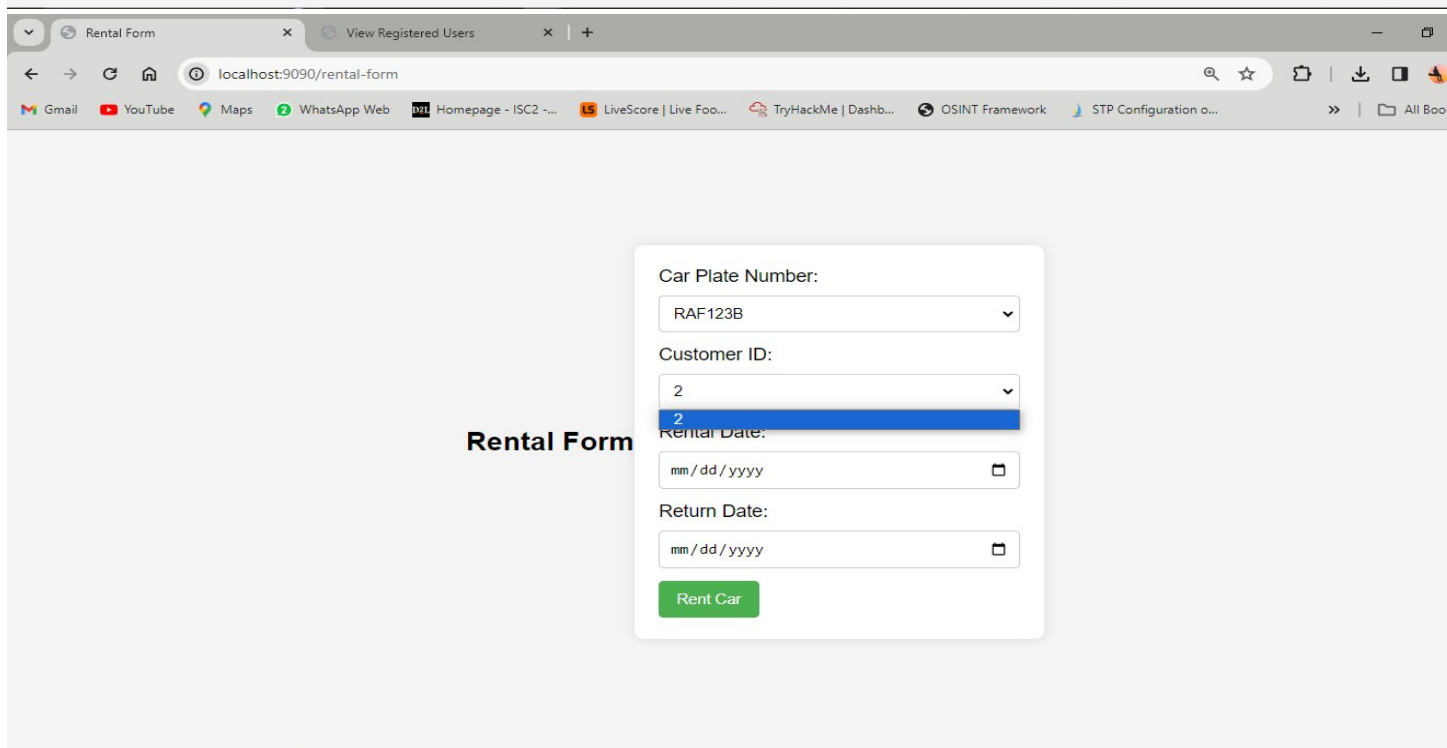
- Users can select a car, choose rental dates, and make a booking.
- The system checks for car availability and confirms the reservation.

Booking form



The screenshot shows a web browser window with the URL `localhost:9090/rental-form`. The page displays a "Rental Form" with the following fields:

- Car Plate Number:** A dropdown menu is open, showing three options: `RAF123B`, `RAF123B` (highlighted), and `RAF687H`. Below these options is a text input field containing the number `2`.
- Rental Date:** A date input field with the placeholder `mm / dd / yyyy` and a calendar icon.
- Return Date:** A date input field with the placeholder `mm / dd / yyyy` and a calendar icon.
- Rent Car:** A green button.

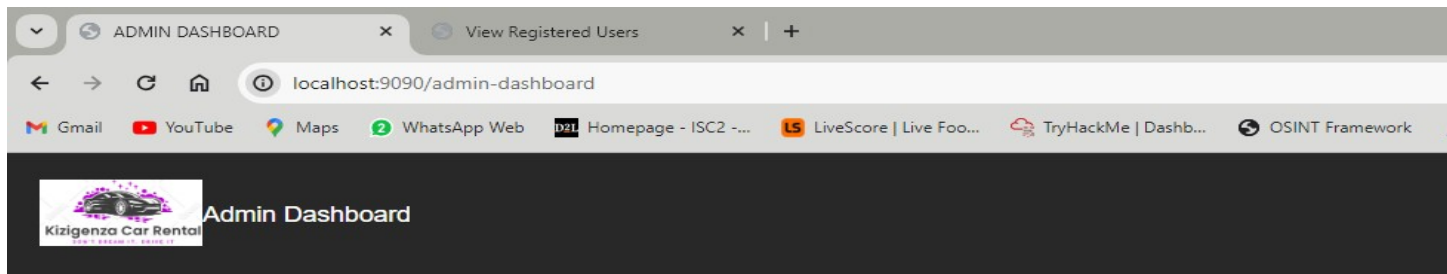


The screenshot shows the same "Rental Form" as above, but with the "Customer ID" dropdown menu open. The form fields are:

- Car Plate Number:** A dropdown menu showing `RAF123B` as the selected option.
- Customer ID:** A dropdown menu is open, showing two options: `2` and `2` (highlighted).
- Rental Date:** A date input field with the placeholder `mm / dd / yyyy` and a calendar icon.
- Return Date:** A date input field with the placeholder `mm / dd / yyyy` and a calendar icon.
- Rent Car:** A green button.

4. Admin Dashboard:

-
- ✓ An admin panel is available for staff to manage car listings, user accounts, bookings, and handle support requests.
 - ✓ Admins can add new cars, update details, track reservations, and handle customer inquiries.



Car Operations

[Register Car](#)

[View Registered cars](#)

Users Control

[Register User](#)

[View Registered Users](#)

Rentals control

[Register car](#)

Car Registration Form

Plate Number

Model

Image URL

Year

Status of car

Booked

Customer ID

null

Register

To view all lists are registered

View Registered Users

localhost:9090/view-cars

Registered Users List

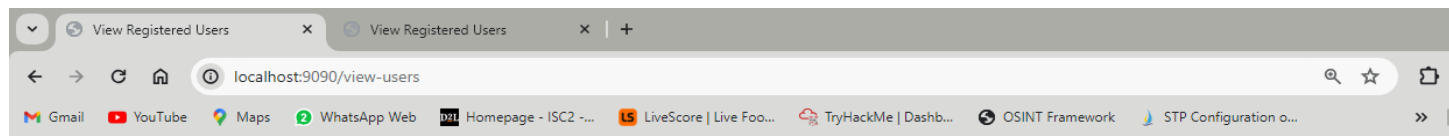
Search by Username

Search

Car Id	Plate Number	Model	Year	image	Available	customer Id	Actions
1	RAF123B	Dodge challenger SRT hellcat	2015		Booked	Customer(id=2, username=regis, password=12345, email=regis.rw123@gmail.com, type=Admin)	Edit Delete
3	RAF687H	Dodge chager hellcat	2022		Booked	Customer(id=2, username=regis, password=12345, email=regis.rw123@gmail.com, type=Admin)	Edit Delete

[Back to Dashboard](#)

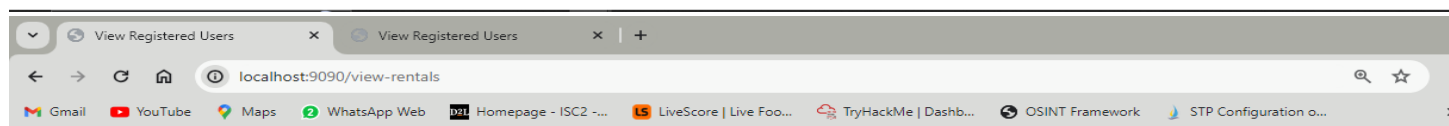
To list all Users are registered



Registered Users List

User Id	Username	Password	Email	Type	Actions
2	regis	12345	regis.rw123@gmail.com	Admin	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

[Back to Dashboard](#)



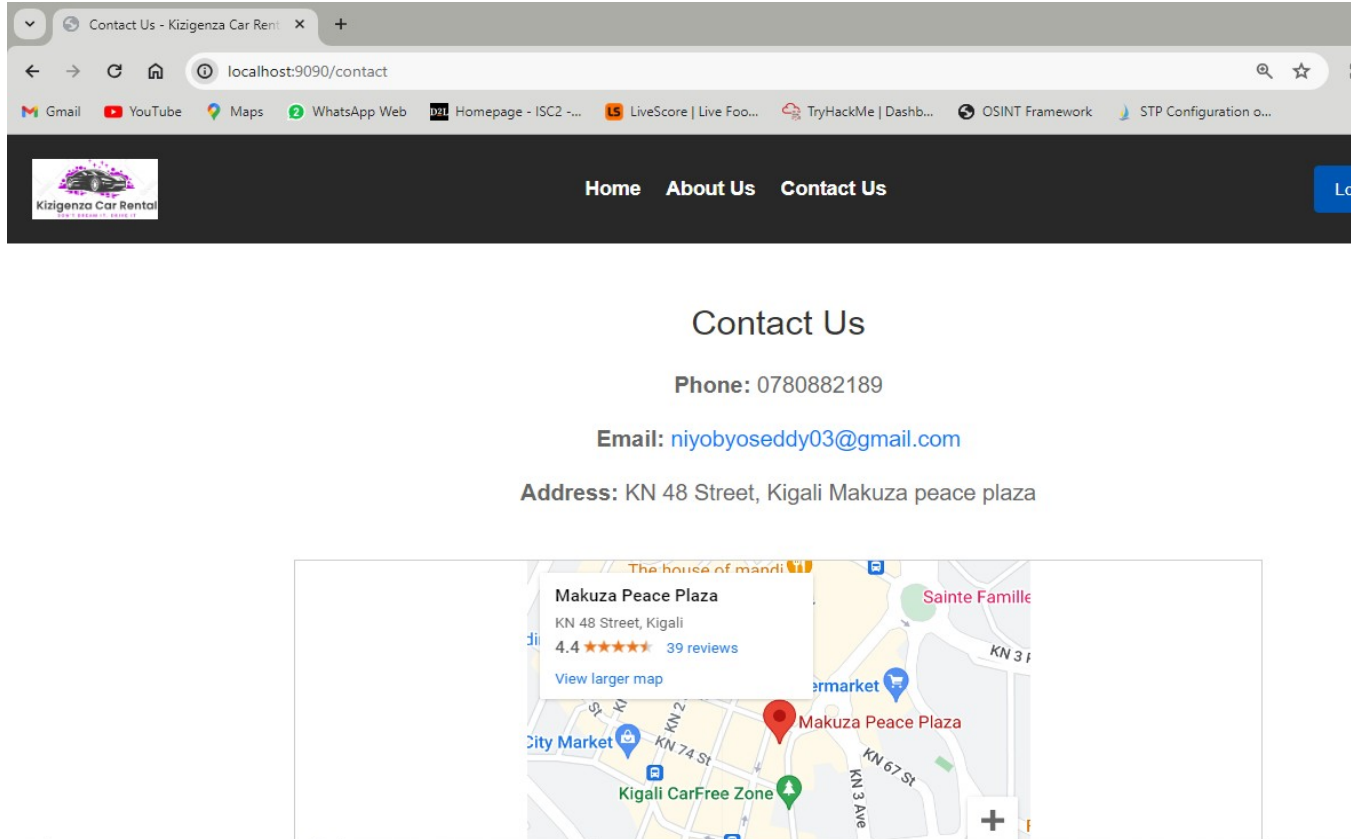
Registered Users List

Rental Id	car	customer	rental Date	return Date	Actions
1	RAF123B	regis	2023-12-21	2023-12-14	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

[Back to Dashboard](#)

9. Customer Support:

- ✓ Contact information and support channels (such as, email, or phone) are available for users to reach out for assistance or inquiries.



Technologies Used

- ✓ **Backend:** Spring boot Frame work,Java
- ✓ **Frontend:**Html, CSS and JavaScript
- ✓ **Database:** PostgreSQL for storing car details, user information, and bookings.