

MotorQ

Car Rental Service Application

LEVEL 0

- ✓ User Application:
 - ✓ Browse Available cars
 - ✓ Select cars based on MMY , fuel type and rent range
 - ✓ Validation that the same car is not booked for the same time for more than two times
- ✓ Admin Application
 - ✓ Add new car based on brand, Update, Delete and View
 - ✓ Add new car models for a given brand, update, delete and view.
- ✓ Dummy Login and Signup where the email verification does not happen. But the users created are pushed to the data base.

LEVEL 1

- ✓ Real time updates about the availability of the cars both in the User application as well as on the Admin application.
- ✓ Simulation of Booked and not booked markings on the map.
- ✓ Booking cancellation.
- ☐ Car Rating

LEVEL 2

- ✓ Mechanism to prevent the clash when multiple users try to access/reserve the same car with the same start date/time.

LEVEL 3

- ✓ Email notification to the registered customer on confirming the booking
- ✓ Real-time notification to the admin, with the message of new car reserved, with the car name, the make as well as the dates of reservation.

BONUS POINTS

- ✓ Extended Booking

TECHNOLOGIES USED

- React JS
- Material UI
- BrightLayer UI
- React-Bootstrap
- EmailJS to send email notifications to the customers after the confirmation of booking.

START THE PROJECT

USER APPLICATION

- `cd RentaCar-ReactJS`
- `npm start`

ADMIN APPLICATION

- `cd admin`
- `npm start`

START SERVER

- `node server.js`

Design Documentation

USER APPLICATION

Login Page

Login

Email Address *

Password *

☐ Remember me

LOGIN

No account yet? [SIGN UP](#)

Login

Home Page

Spalits Car Rental

home

About

vehicles

login

sign up

help

Car Rent
Made

Hasel free

Search for your travel partners

Select from a group of amazing cars

Hyundai

Choose a Model

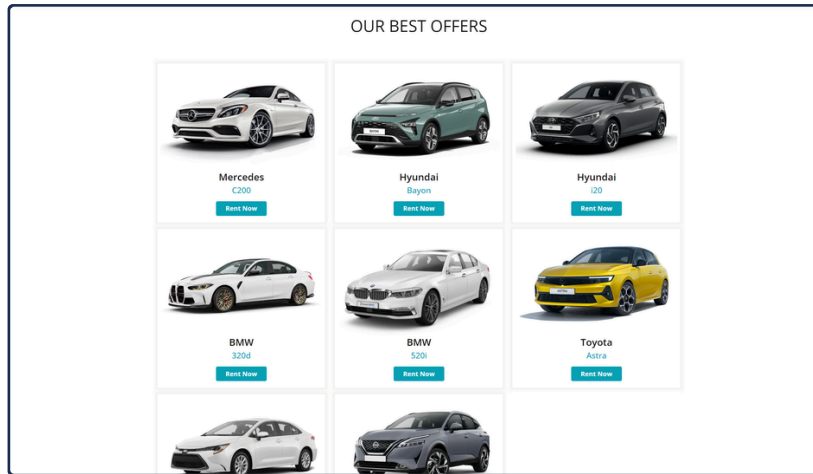
Choose a Fuel Type

Choose Rent Range

SEARCH NOW

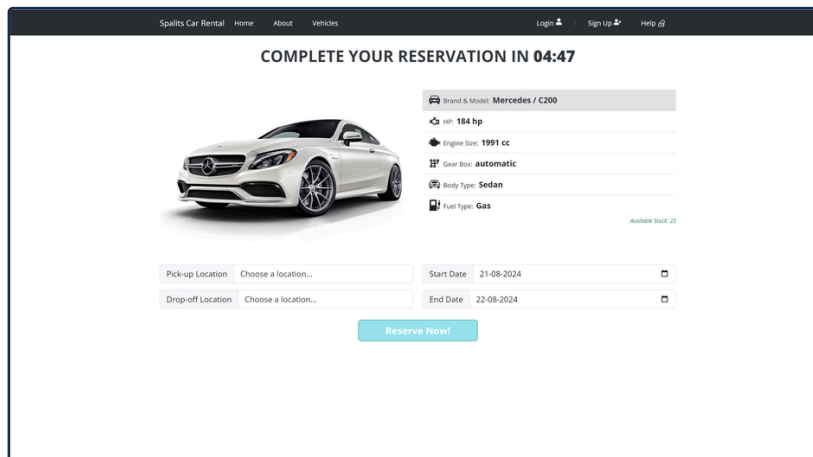
Home Page

Choice List



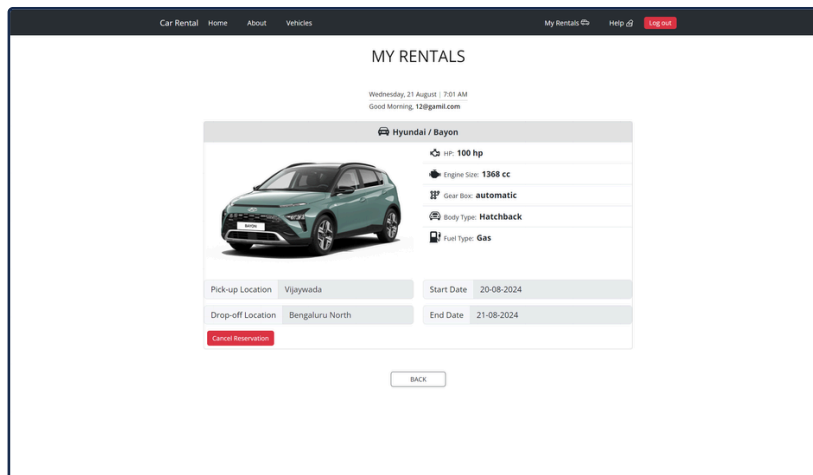
Choosing list

Reservation Page



Reservation Page

My Rentals



My Rentals page

ADMIN APPLICATION

Vehicle Brand Management

Admin Management

VEHICLE BRAND

VEHICLE MODEL

USERS

RENTALS

MAP

Vehicle Brands Management

Brand Name	Actions
<input type="text" value="Mercedes"/>	
<input type="text" value="Hyundai"/>	
<input type="text" value="BMW"/>	
<input type="text" value="Toyota"/>	
<input type="text" value="Nissan"/>	
<input type="text" value="New Brand Name..."/>	

Save Changes

Add /View/Update/Delete New Brand

Vehicle Model Management

Admin Management

VEHICLE BRAND

VEHICLE MODEL

USERS

RENTALS

MAP

Vehicle Models Management

Brand Name	Model Name	Actions
Mercedes	<input type="text" value="C200"/>	
Hyundai	<input type="text" value="Elantra"/>	
	<input type="text" value="i30"/>	
BMW	<input type="text" value="320i"/>	
Toyota	<input type="text" value="500i"/>	
	<input type="text" value="Auris"/>	
Nissan	<input type="text" value="Corolla"/>	
	<input type="text" value="Castrol"/>	
<div>Select a brand...</div>	<input type="text" value="New Model Name..."/>	

Save All Changes

Add/View/Update/Delete New Model

User Management

Admin Management

VEHICLE BRAND

VEHICLE MODEL

USERS

RENTALS

MAP

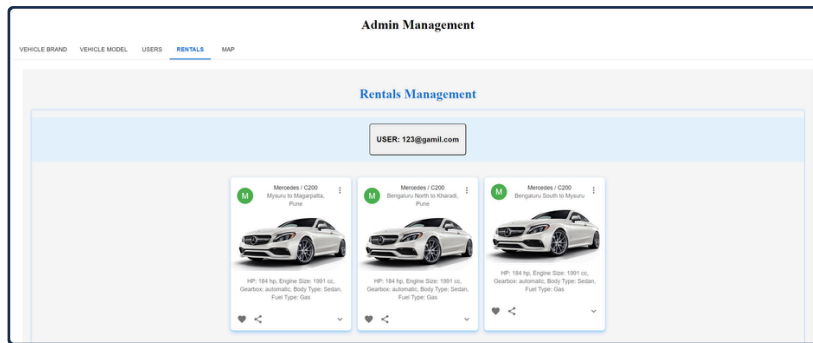
Users Management

Edit Users

Email	Role	Actions
<input type="text" value="123@gmail.com"/>	<div>Role Admin Please select a role</div>	<div>UPDATE DELETE</div>
<input type="text" value="1@gmail.com"/>	<div>Role User Please select a role</div>	<div>UPDATE DELETE</div>
<input type="text" value="2@gmail.com"/>	<div>Role User Please select a role</div>	<div>UPDATE DELETE</div>
<input type="text" value="user@bathuranduck.com"/>	<div>Role User Please select a role</div>	<div>UPDATE DELETE</div>

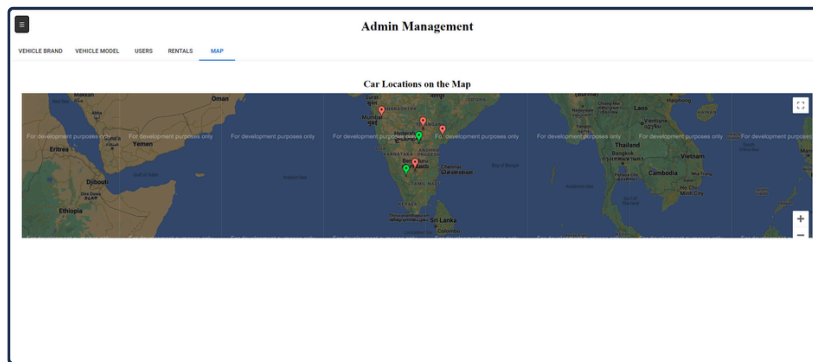
User Management

Rental Management



Rental Management

Map Marking



Map Marking

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