

# 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.
- ☐ User Feedback

### 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.

---

## TECHNOLOGIES USED

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

---

## START THE PROJECT

### USER APPLICATION

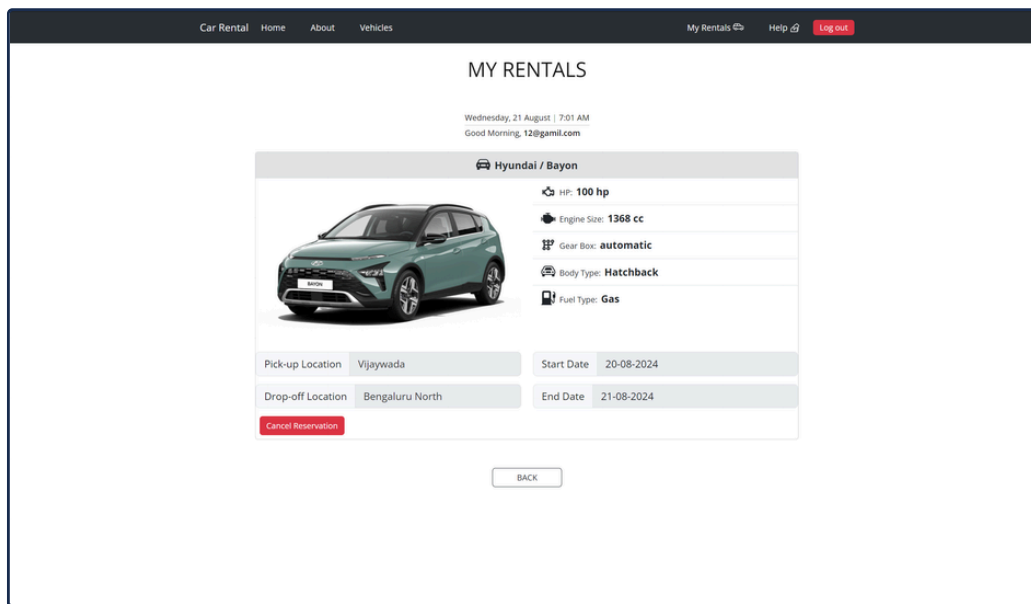
- `cd RentaCar-ReactJS`
- `npm start`

### ADMIN APPLICATION

- `cd admin`
- `npm start`

## START SERVER

- `node server.js`



My Rentals page

- Final submission
  - Zip file must be sent via mail
  - The public github repo must be created
  - A video must be recorded

## THINGS LEFT TO BE DONE

- Search option for the cars - filter must be added with proper API keys
- Things I will be able to implement
  - Notification system
  - Email verification
  - A live update on the admin portal

Working things that needs to be looked into

- When we login in, we are able to reserve a car.
- When the car is reserved, its getting updated in the admin portal. So just the notification is required.
- Follow
  - ✓ Follow up required to implement a sending of Emails to the User with the details of the booked car
  - ✓ A notification will be sent to the admin panel with the car booked.

- ✓ Maps, the live location
- ✓ Notification is being captured in the server side of the application
- ✓ Notification must be rendered
- ✓ Interaction Between two users
  - ✓ Here when the stock is available, then even if there are multiple users, it will be able to update the reservation and there will be no need of priority
  - ✓ When there is little stock availability then the user who has logged in to that page first will be given the priority while the others will not be. This can be monitored by using the timestamps.

☐

**Track Reservation Requests:** Use a mechanism to track reservation requests with timestamps to determine which request should be processed first.

- **Implement Reservation Priority:** Adjust the reservation logic to give priority based on the request timestamp

#### THINGS ONLY FOR ME TO KNOW

- On the EmailJs page, I have already configured the to email. It is set to aayasyasaakshi@gmail.com
- The car details are not being sent to in the body of the email
- Now since the feature of deleting the user has also been added. I can use the email id of [aayasyasaakshi@gmail.com](mailto:aayasyasaakshi@gmail.com) with any password set.
- Note : To see the notifications : Start the server.js → `node server.js` will be the command