

# MotorQ

## ASSIGNMENT TITLE

### CAR RENTAL

#### LEVEL 0

- Dummy login - No need of authentication is required
- Step 1: Car Inventory Management
  - Admin Dashboard
    - Where cars can be added, viewed, searched, deleted. Implement the car searching based on their MMY and registration number.
- Step 2: Car rental Booking
  - User Dashboard
    - Book the cars, search for the cars, pre- book the cars for a specific duration.
    - Simple validation is required so that the car is not double booked
    - Filters for car fuel, MMY and rent range

#### LEVEL 1

- Real time rental
- Map View
- Car rating
  - In this the real time updates regarding the maps and the updates
- 

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

#### Flow:

#### Technologies:

- To send Emails : Made use of EmailJs
- For styling made use of react-bootstrap
- 

#### Web Application - Tabs

- Tab 1
- Tab 2
- Tab 3
- Tab 4

## LOGIN / SIGNUP PAGE

### Admin

Email: admin@batuhanozturk.com

Password: 123456

### User

Email: user@batuhanozturk.com

Password: 123456

### Must Mention:

- I have made use of React.lazy() . This helps in loading the components only when required.

### API referencing:

## 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