

FindMyCar

Consider you work at XYZ Inc. Your team lead has assigned you a task to build an application for Car Listing. The end-users of this application will search for different cars as they need from the homepage. The homepage will show all recently uploaded cars on descending order by default. Other features of this application are listed below.

Please prepare a web application with Express.js & React.js where users will be able to,

- Signup
 - Receive error if their account exists.
 - Get asked to login in their account.
- Singin with email & password

Some key points regarding user resource,

1. For User model, please add name, email, password along with any other required properties according to the need.
2. In case of 3 failed login attempts within 5 minutes, restrict that user's login for the next 15 minutes.
3. Setup auth with JWT.

Authenticated users will be able to,

- Create new Car listing
 - User should receive an email as confirmation
- Read all car listings
- Update their own car listing
 - User should receive an email as confirmation
- Delete their own car listing
 - User should receive an email as confirmation
- Bookmark a car
 - If any changes come in the bookmarked car, user will receive email notification.
- See statistics of most viewed cars in a graph
 - Bar chart, will show top 10 most viewed cars over time.
- Set offer in their car
 - Update car offer

All users (including non-registered) will be able to,

- Read all car listings
- Search car listings with different filters such as brand, seats, price and date range etc. with pagination.
- Read specific car details
 - See related car listings
- See a page of only cars with 'offer'.

Some key points regarding car and user activity,

1. Save all user searches automatically.
 - a. User should be able to see the saved list and delete the items individually or all at once.
2. Recommend car listing in 'related car listing' based on user's saved search and overall car details page visits of cars.

Bonus mark: Based on users' activity, on the homepage, show the cars that user likes most.

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