

Rate Quote Coding Challenge

At Own Up we're always looking to help our customers save money on their mortgage. As such we want to make sure we're looking at quotes from multiple local lenders to find the best rate. We've built an API that simulates querying mortgage product rate quotes from our lender network. Your task is to build a UI that allows the user to search for and compare quotes using this API.

What we're looking for

We'd like you to build a webpage using React and Redux that allows the user to enter loan information and then displays rate quotes from our API. The UI should look similar to the attached mockup.

How to submit

Please make your code available in a Git repository. We'd recommend posting either to GitHub or Bitbucket. Your repository should include a readme file with clear instructions on how to run your code.

How we evaluate your submission

We'll evaluate submissions holistically, but we'll be looking for these things in particular:

- Code should start and run according to your Readme
- Use of React + Redux
- Unit tests and other automated tests.
- Quality and readability of code.
- Carefully considered Git commits. Each commit should have a commit message, contain a single related change (eg. adding a React component).

Using Libraries and Frameworks

Beyond React and Redux the rest of the technical decisions are up to you, but your Readme should include a brief explanation of why you chose to use any additional libraries or frameworks.

Helpful Links

- Create React App - <https://github.com/facebook/create-react-app/tree/master>

- How to prepare a PR to have a clean history - <https://github.com/mockito/mockito/wiki/Using-git-to-prepare-your-PR-to-have-a-clean-history>
- Swagger Editor - <https://editor.swagger.io/>
- MDN Fetch API - https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API
- Redux Thunk - <https://github.com/reduxjs/redux-thunk>

Our API

Endpoint: `https://ss6b2ke2ca.execute-api.us-east-1.amazonaws.com/Prod/quotes`

Swagger documentation for the API is attached.

All calls to the API require an authorization header in the form:

Authorization: OU-AUTH YOUR-AUTH-TOKEN

Please **DO NOT** commit your auth token to the repository.