arm

Front end coding task

1 Task

Estimated time 1hour 30 minutes.

You have been tasked with building a web application for customers to view their contracts that give them access to ARM products. Assuming they have logged in, they are expecting to be presented with a page that lists their contracts. A contract is a unique agreement that allows customers access to certain products. Customers expect to find a contract by it's id or by one of the product ids entitled through it.

We have provided you with an app template for you to extend. There are typescript interfaces included to help you with the data structure.

Key deliverables:

- Implementation in React and Typescript
- Search field for users to filter results
- Button to send a search request
- Search results

You are allowed to add any additional packages you see fit, but be prepared to justify their uses.

2 How we review

Your application will be reviewed by our engineers. We do take into consideration your experience level.

We value quality over feature-completeness. The goal of this code sample is to help us identify what you consider production-ready code. You should consider this code ready for final review with your colleague, i.e. this would be the last step before deploying to production.

2.1 What we're looking for in this task

- What features of React you're using and their implementation
- Typescript fundamentals and how you utilise features with React.
- Performance

- Clear and concise code

- Unit tests

- **Your ability to justify the above and articulate your ideas**

2.2   What we don't expect you to do for this task

- Authentication

- Pagination

- Changes to backend implementation

- Build configuration

3   Getting Started

3.1   Prerequisites

You will need Node 12.12.0 or higher installed on your machine

3.2   Template

We have included a zip file containing a template project for you to complete this task which consists of an express server that will build the React application in the client folder using webpack.

To start the application and begin developing simply unzip the folder and run npm install && npm start.

4   Submitting your work

Email a zip file of the project to whoever has sent you this task. **We've included an npm script to create this file.**