

Suggested Time

Please do not spend more than around two hours on this task. It's OK not to finish everything, but it will be great to see a plan/thoughts on how you would.

1. Please implement the solution as you would do for production code
2. It's ok to use 3rd party libraries

Task Report

While you are coding, please write small notes of your process.

For example:

1. I am going to start by separating my application to components.
2. I am going to test my twitter service.

Twitter client

Please use React on the front-end and Node JS on the backend. It will be great to see Typescript on both client and backend, Flow + React is acceptable too.

Please use the next endpoints to get the data:

<https://developer.twitter.com/en/docs/accounts-and-users/follow-search-get-users/api-reference/get-users-search>

<https://developer.twitter.com/en/docs/accounts-and-users/follow-search-get-users/api-reference/get-users-show>

User search interface for twitter that will include two pages:

1. Home page - Search across all public user accounts on Twitter by the user's name or location and present the result:

- Text input field to enter the search text
- Search button to trigger the search
- Search results, by clicking on the result, it will take the user to the user profile page

2. User profile page

- Name
- Profile image
- Twitter handle
- Follower count
- Last five tweets

Requirements

- Please use state management with your React application, you can go with Redux, Redux Saga or MobX. We know the application is small, but it's important to structure our apps well and be ready for scale from the start.
- Clean code and documentation will be much appreciated
- You can use any CSS / SCSS library like Foundation, Bootstrap or Material design, don't spend any time on UI/UX - it's not that we don't like pretty things, we just want you to focus on other parts.
- You can use Express, Koa, or just plain Node for the API.
For us, the SOLID principles are more important than the framework.
- Create a log for all the search requests inside your server.

What we consider a **DONE** feature

- We can use it. Click on that button and expect things to happen
- Other developers can easily join you and work as a team - we love doing that here
- We can add CI/CD now or as a next stage for the feature, we don't expect you do all by yourself in one day, but we do want you to think ahead.
- Tests are very important to us, even if you don't have time to write tests for everything, please save some time for at least one unit test, and write down how you would continue if have more time.

THANK YOU AND GOOD LUCK!