

Assignment

1. Create a React component for a card of a GitHub user.
<https://developer.github.com/v3/users/#get-a-single-user>
It should display the following attributes for a user:
 - Avatar
 - Username
 - Location
 - Following/Followers
 - Bio
 - Link to the Github Page
 - Blog
 - Email
2. Use `react-router` for routing and add a Navigation menu to your app.
3. Create a search page
 - a. Users can search for a GitHub profile - when you put in a username into the search field it displays their profile on the page. **You don't need to show search results. Just open the user typed in the search bar directly.**
 - b. Users can see the error if the profile doesn't exist.
 - c. User can see the information of the searched person - Use React Router to navigate directly to a given page to view Any User via their username. E.g.:
<http://localhost:3000/<username>>
4. Add authentication to your app.
For the scope of this assignment, you don't need to implement GitHub OAuth. You can authenticate a user using their personal access tokens:
<https://developer.github.com/v3/auth/#via-oauth-and-personal-access-tokens>
 - a. Create a login page where the user can enter their username and password (personal access token of the user). We don't need the email ID of the user. We just need the personal access token for logging in.
 - b. Validate the username using the same GET USER API and you'll receive the info of the user which contains a token. Store it for further requests.
 - c. Create a logged-in route to display the logged-in user's profile.

Followers API:-

<https://docs.github.com/en/rest/reference/users#followers>

List of pages to be created

1. Login page.
2. Search page (available to unauthenticated users as well).
3. A page to show a user's profile (either the logged in user itself or some other user opened from the search page). This page will show the user card discussed in the beginning of the doc and the followers of that user. (page is only available to a logged in user)

Summary:-

The first page (homepage) will be the login page. After logging in, the user will be taken to their profile page. Then the user can go to the search page after that.

Good to have

1. Allow a user to actually follow another GitHub user using the API.

Should use redux for this application.