

Task Submission

Explanation of Design thinking

The main thinking was to use special Hooks like `useEffect` and `useState` to fully deploy the app as functional Base instead of conventional Class based

1. The main page has `useEffect` which acts as a `ComponentDidMount` to make an Api call to get all the relevant Data of the user
2. Main Navigation bar has a conditional Component whenever a user enters something in the search bar all shown repositories of the user vanishes and as soon as search is cleared all the available repositories of User are shown
3. Material UI and Semantic UI are used for enhancing the UX
4. Website is designed to mimic Github page.

Components:

3 types of components are interacting to make this app work.

Header component mainly focus on getting user input and calling fetch all call with user data

Repo component renders the list of all available repositories

SearchedRepo component renders the list of all searched repositories

Features:

1. ReactJs, , JavaScript based **web application** for repository searching
2. Input upper or lower case to display results
3. **Detailed page** of every available repository of the user.
4. **Responsive** layout using Material UI Grid and Sematic UI

How to run this application

1. Run **npm install** in root directory to install dependencies
2. Run **npm run start** to launch

Future plans

1. Implement an offline functionalities to support users during travel.
2. More data display for each stop
3. Implement state-persistence using localStorage