Programming Assessment – Functional Components

Introduction:

ReactJS is the database tool used by Path Advisor, and we use CSS to style the components. In this assessment, we will need you to create a ReactJS project yourself, and demonstrate how to code a functional component. You can also provide suggestions to the current website. Before coding, we suggest you take 5-10 minutes to browse Path Advisor website at https://pathadvisor.ust.hk/
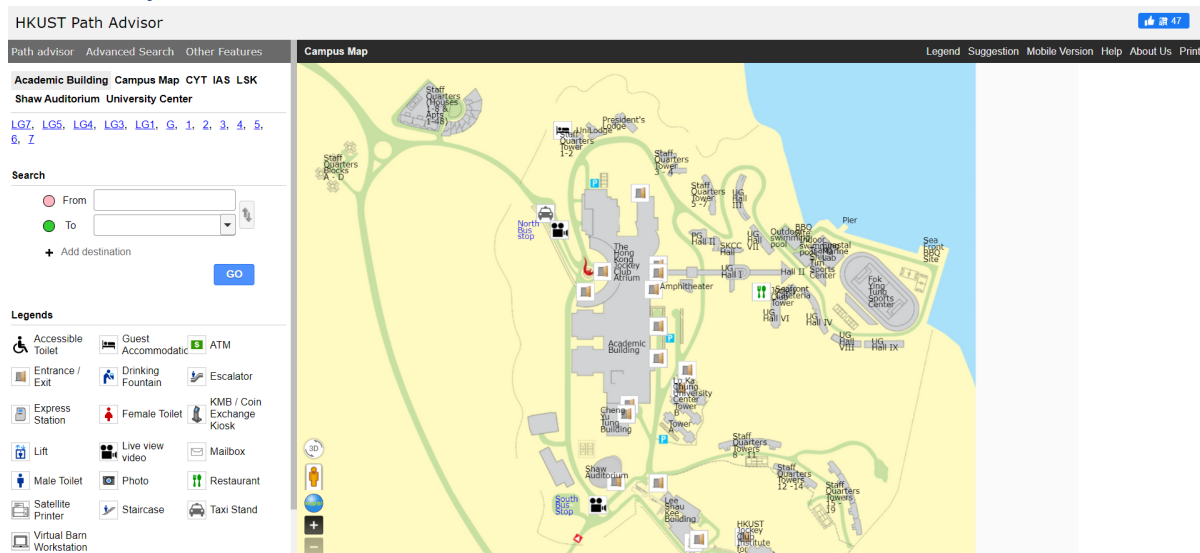
Problem Description:

In the current website, you will find the navbar fixed to the lefthand side of the webpage (with a white background), which is not desirable in our future design. Your task is to demonstrate a functional code that makes a navbar expandable. In other words, you should create a new ReactJS project, and create a stateful navbar component that listens to an onClick() function to an icon, and closes when the user clicks on a "closed" icon. Your project should satisfy the following requirements:

1. A new self-created ReactJS project
2. An obvious navbar icon that is clickable
3. A navbar that expands when user clicks on to it
4. A close button in the expanded navbar, navbar closes when user clicks on to it

You are welcome to code out the content in the navbar by referring to our current official website, or you can propose styling/functional improvements or other advices to our webpage.

Additional Information:

The screenshot above is the current look of our webpage, in the coming year, we hope the navbar would be an expandable component. This task to test your ability to handle the change in the future.

Format:

Files:
1. A ReactJS project folder renamed to your full name (e.g. Chan_Tai_Man_ReactJS)
2. (Optional) A pdf/word file that lists your suggestions/improvements to our current design, please name it as e.g. Chan_Tai_Man_frontend_suggestions

Time Expected: 1.5-2 hours

Required Programming Language: ReactJS/CSS

Assumed Running Environment: nodeJS/npm

Submission method: Email the project folder to **ylils@connect.ust.hk**
    If the folder is too big, please upload it to your OneDrive and make sure it is downloadable.

Remarks:
1. Feel free to use any search engine or sources that you find helpful, but do not copy paste the entire code.
2. It is okay if you are unable to finish your code.