ITCS212 - Web Programming
Lab 11: React Part II

MUST READ:

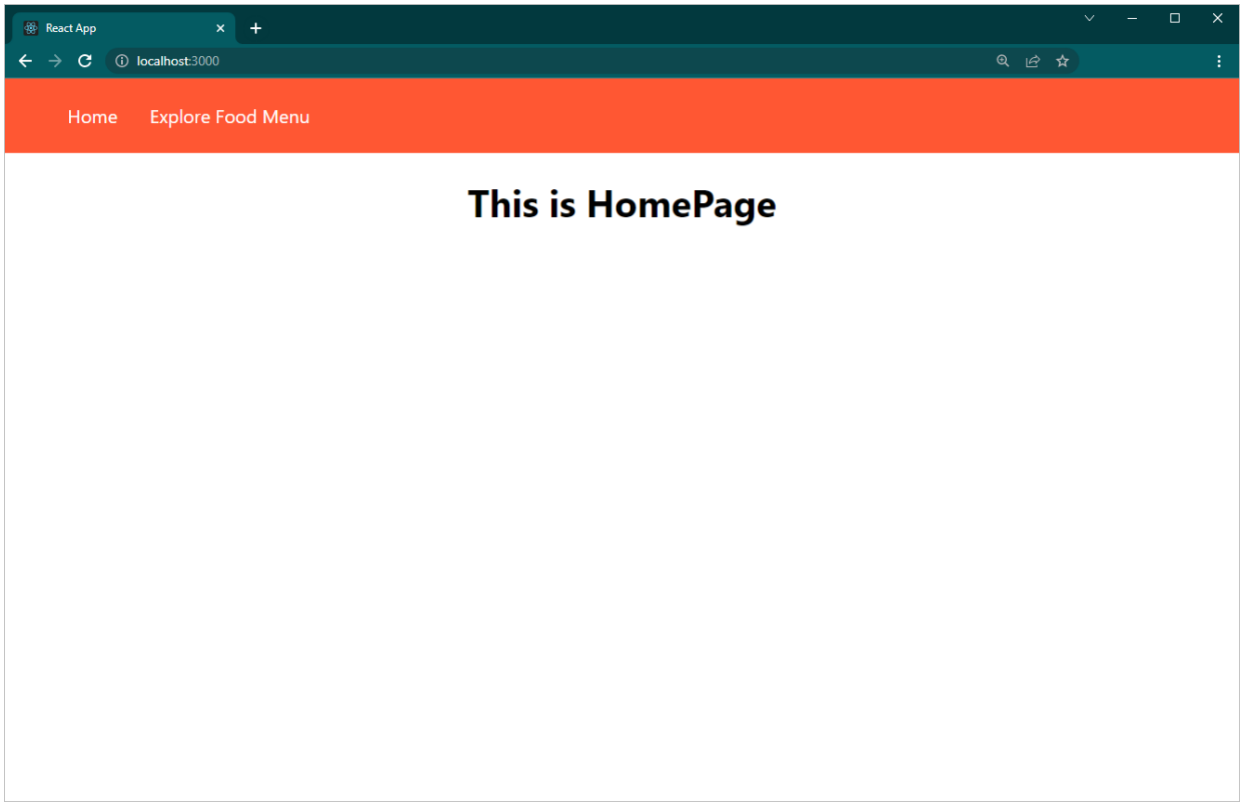
- There is only 1 question consisting of Part A and Part B. **Only Part A** is required to be **submitted on MyCourses** following the naming convention
- You **must** submit Q1 within **today's class time (Bangkok time)**. You must notify LAs **via the SOS** sheet to grade your work.
- The SOS sheet will be opened by the instructor or LA (approximately the beginning of the lab). The student who wants to submit or ask questions shall put their name on the list. Do not put your name for reservation ahead of time.
- The SOS sheet are here: [sec1][sec2][sec3]
- **No late submission allowed**

React Routing and API: Your task is to implement a React Food web application with two pages (components): HomePage and FoodMenu

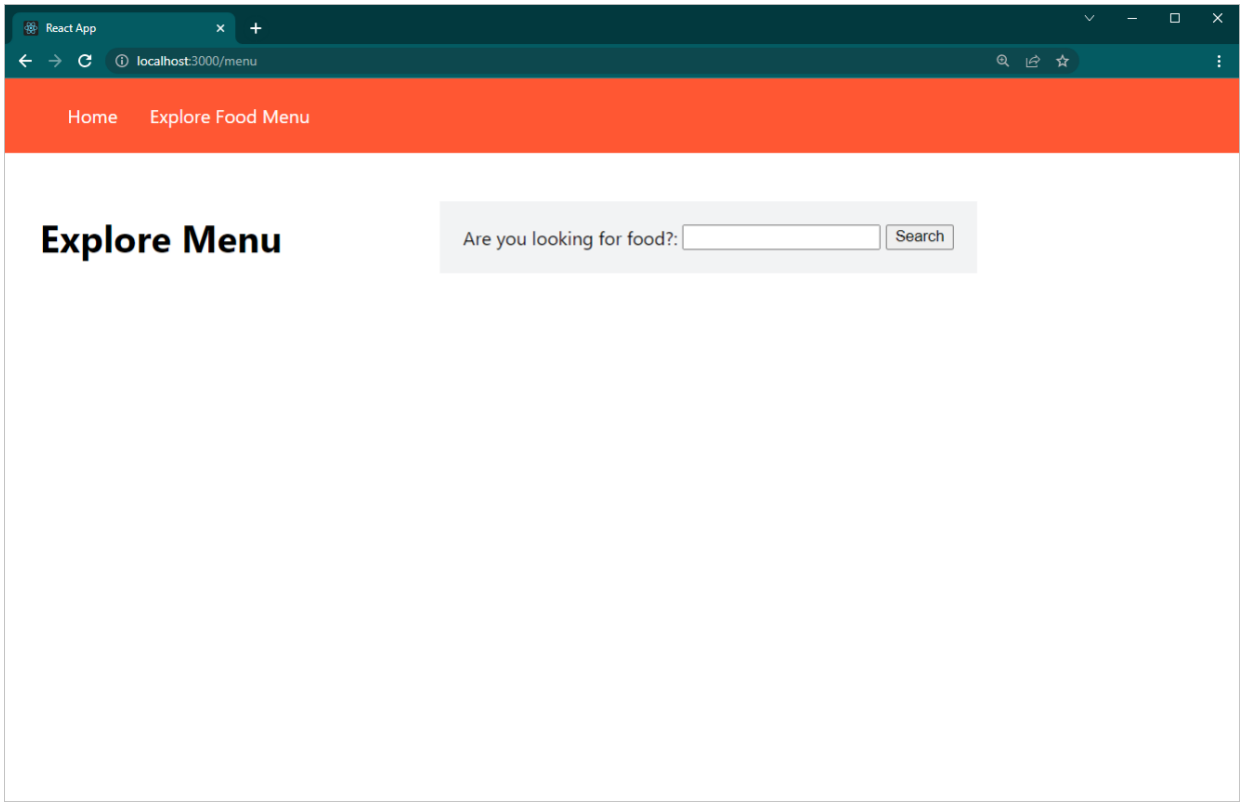
- Part A: Both components must connect through a navigation bar (#1-#5)
- Part B: The FoodMenu will be linked to the **spoonacular food API** (#6) (Ref: https://spoonacular.com/food-api).

When a user click at each link, it should go to the following paths:

- **Path: /** `./components/home.js`



- **Path: /menu** `./components/menu.js`



Here are the guidelines for **Part A (#1-#5)** and Part B (#6):

1. After creating a react application, install `react-router-dom` for implementing routing and a navigation bar and `styled-components` for styling your navigation bar and other components.
2. Create "components" folder in your "src" folder and create at least the following components

```
src
 |_components
     |_home.js
     |_menu.js
     |_navbar.js
```

3. In **`navbar.js`**, create a "styled" navigation bar component using `react-router-dom` with `<Link>`

Note: use `styled-components` for styling a navigation bar at your own preference

4. Modify `App.js` to handle routing using `react-router-dom`

5. In `home.js` and `menu.js`, create a simple content according to the given

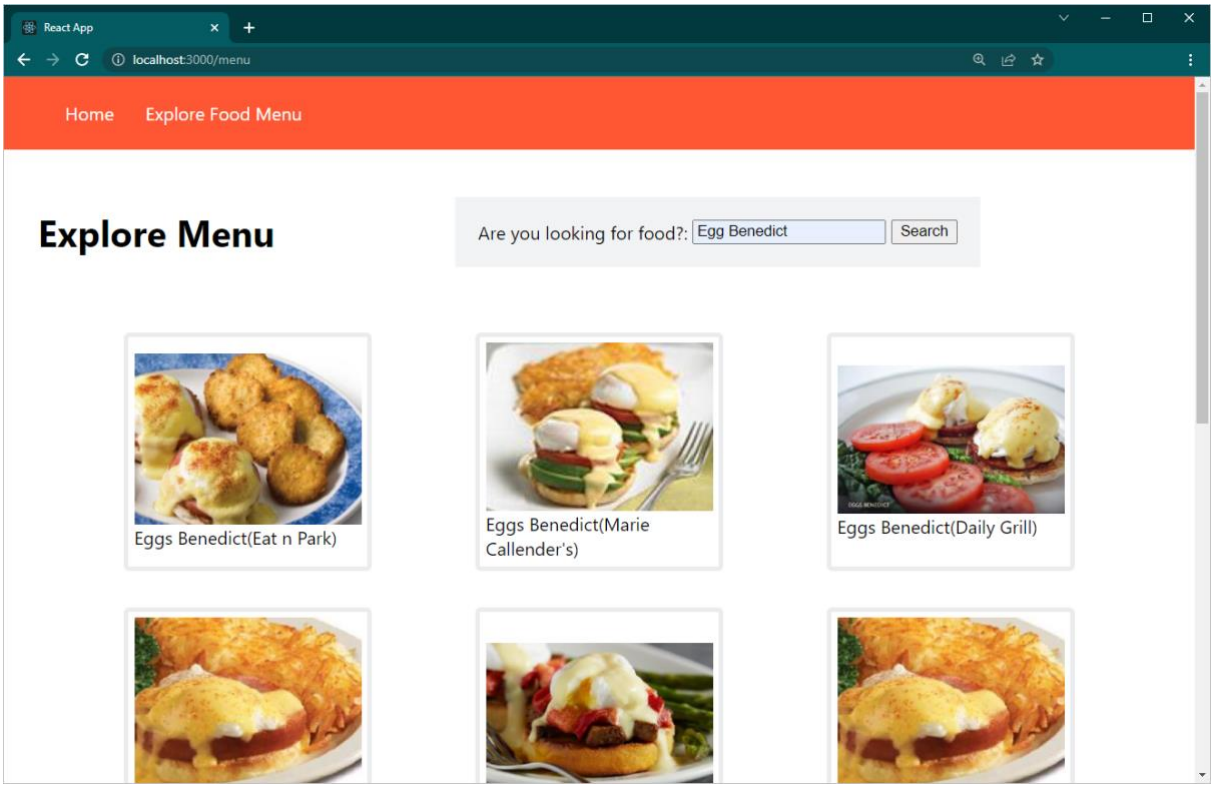
output above (i.e., the simple search box for menu search)

6. **Connect and display the results with the Spoonacular API** (Optional)
   Note: This #6 is not required to submit within the class time. However, for your own benefit, it is highly recommended to try if you have time
   Hint: You need your own Spoonacular API Key for this task

   Use the API called, "**Search Menu Items**". The API document can be found **here**. From your `menu.js`, once a user clicks the button, it should call the "Search Menu Items" API.

   After the successful call, the result from the API will be in the JSON format: `menuItem`. Display the result including the title of the menu item, the restaurant, and the image of the menu. **Note**: you can display using any HTML element of your choices (e.g. table, list, or `<div>`) and decorate them with `styled-components` of your choice.

   The example of the output with the query "Egg Benedict" is:



Zip the following files: `App.js` and `menu.js` (and other related `src` components if applicable) named as "`L11-6X88XXX_secY.zip`" and submit the zipped file by class time via MyCourses (Note: `XXX` is your ID and `Y` is your section). Confirm your submission with LAs and instructors for this question.
