Submission Report

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Project location: https://github.com/Print-ABC/betterbody-demo-page

1 Current Project Implementation

The project is made with the **Create React App**, a recommended toolchain for creating single page **React** applications. Based on previous personal development experience, **TypeScript**, which is a typed superset of JavaScript that compiles to plain JavaScript, is <u>included in the project</u> as well.

There are several reasons for me choosing Create React App:
1. Easy setup
2. Bundled dependencies
3. Pre-configured webapp - Lesser fuss
4. Focus on just development

Create React App allows me to easily deploy a React web application with minimal to no configurations needed, allowing me to to focus on just the coding and development of the webpage.

2 Work Done

The project is unfinished, but is mostly done and can be easily deployed as a webapp. Below are the good points about the current project I can identify:

2.1 ReactJS and TypeScript

Compared to plain ES6 JavaScript, both <u>ReactJS</u> and <u>TypeScript</u> offers various good features that make a web project better.

ReactJS is an open-source JavaScript library for building reusable UI components. It is an a component based frontend library and is officially maintained by *Facebook*. TypeScript is an open-source object-oriented programming language by *Microsoft*. It is an extension to JavaScript, providing additional features on top of JavaScript.

2.2 Neat Project Structure

The project is easy to navigate due to separating the files into various folders based on their file type and purpose, i.e. *css, content, images*. This also makes development easier as well.

2.3 Reusable Page Components

With React, I split the page into multiple components that I call into the webpage directly. These makes the code easier to maintain from a development standpoint, and allows for the reusing of components whenever needed.

2.4 Minimal Configurations

Create React App is an officially supported way to create single-page React applications. It offers a modern build setup with little to no configuration needed from the developer. This allows for pure development focused work.

3 Unfinished Work

As stated before, I was unable to finish the project on time. Below are the main unfinished tasks I can identify:

3.1 Optimisation For Mobile View

The webpage is not optimised for mobile view. Currently, the images will disappear when trying to view it in a small screen.

3.2 Navigation Bar (Mobile View)

A mobile version of the navigation bar has not been made for the navigation bar yet.

3.3 Webpage Top Banner

The banner image between the navigation bar and the rest of the page does not display as a background image.

3.4 Missing Page Content (Bottom)

The webpage is still missing about close to 20% of content at the bottom half of the webpage.

3.5 Page Formatting

Currently, the structure and formatting of the webpage follows the given example. However, on closer inspection, we can see that the formatting is not conforming to the example as strictly as it should be and can be improved.