TechPro

Project Description

1. Introduction

You will need to create a to-do web application. The purpose of the application is to let the user create to-do notes and give the ability to edit or remove any of them.

2. Project scope

This is a web application, and you will need to use and implement the technologies and concepts you were taught during the boot camp. These include:

- HTML
- Responsive design
- CSS/SCSS
- React

3. Requirements

Here's a Figma design. Make sure to use Figma in dev mode (Figma Dev Mode). The project is tightly related to this project demonstrating how the web app should be looking like. Keep in mind that the Figma designs do not include a mobile version of the application, for that reason you'll need to use your own personal perspective of how the app should be looking like in smaller devices to be responsive.

You're asked to implement a pixel perfect UI and translate the Figma designs to a functional web app as close as possible. If you find it helpful you could maybe use some CSS framework of your choice but that's not necessary.

The features of the app are the following:

- Fetch and display to-do notes
- Filter displayed to-do notes according to the search-bar and the dropdown filter (all/complete/incomplete) (Client-side filtering)
- Mark to-do as completed
- Delete a to-do
- Create a new to-do
- Toggle dark/light scheme of the app

For the pop-up dialogue, you can implement it on your own - otherwise you can use any npm package of your choice. A simple dialogue npm package is the react-modal ([React Modal](#)). For the network request interactions, you should set up a local JSON server, using the json-server package ([JSON Server](#)) and setting up the JSON file accordingly based on the app requirements. For the implementation of the features and especially for state management feel free to use any tool of your choice or a combination of them (useState / useContext / useReducer / react-redux with react-redux-toolkit)

4. Deliverables

For the delivery of the project you'll need to create a public repository in your GitHub account and push all the changes to the main/master branch. The project should have a README markdown file included with instructions on how to set up the project locally and spin up the web app.
Code: Code should follow the best practices as much as possible:

- Separation of concerns (Create components/state-related-files/api-related-files thoroughly)
- DRY principle (Do not repeat yourself)
- BEM naming convention for CSS/SCSS

Documentation: Make sure to include any comments you feel are necessary to describe complex parts of the application.
Presentation: Prepare a PDF highlighting briefly the reasons behind any choice you made during the implementation process and the advantages applying each of your approaches. (e.g. file architecture, tools used)

5. Evaluation Criteria

- Working functionality.
- Simplicity.
- Technical proficiency according to the best practices presented in the deliverables code section.
- Presentation proficiency.