Typescript Task - Report

Used approach to building the app

1. Define the scope and requirements of the app: Before starting the development process, it is essential to define the features and functionalities that the app should have.
2. Choose a platform: Depending on the requirements of the app, I identified this is a web-based task. I used GitHub as a Project Management tool
3. Choose a technology stack: As the technologies, I used HTML, CSS and TS
4. Design the user interface: Responsive UI and users should be able to easily add, edit, and delete tasks. Rather than the CRUD operation this web-based application shows number of Total tasks and completed tasks.
5. Develop the app: Writing code according to classes, interfaces, enums and types
6. Test the app: Did a manual testing regarding to User-friendly, proper validation, checked the features mentioned and work without errors
7. Deploy the app: Hosted the application through GitHub

GitHub Project Link - Hashininirasha/TODO-TS (github.com)

Challenges I faced

- Most of the errors are generated when I am coding on a checkbox and get a count of it. Previously I used another method to generate it. That one is not getting checked input count to its array.

- Validation part. Little bit confused how to add validation part to input. Finally created a function validate that takes an argument of type TodoInputValidation. The function

checks if the text property is at least min characters long, if min is less than 3. If the length of the text property is less than min, the function returns false. Otherwise, it returns true.

Resources

- (7) TypeScript Tutorial #19 - Enums - YouTube – To identify the Enums in TS
- (7) How To Build Your First TypeScript Project - TODO List Application - YouTube – To get the idea of Task
- (7) TypeScript #4 - Interfaces, Classes and Implementing an Interface - YouTube – To get the idea about TS classes and Interfaces