

## Extracting and Refactoring React Page

### 1. Steps Taken:

- Created a new React app with Vite and integrated necessary dependencies.
- Transferred essential files and components from the original project to the new one.
- Organized the code within the `src` directory according to Vite's structure.
- Gone through the routes in the original project and found which route was the assignment to be done and found it.
- Then extracted and refactored all the code required for that page in the given folder structure format.

### 2. Reasoning for Deviation from Folder Structure:

#### Src folder:

*App.jsx assets components context hooks index.jsx main.css mock\_data pages*

- I kept all the folder structure the same and added two extra folders for the below reasons.
- Since I had to use context and hooks I created two extra folders for it for using useLayoutContext and useScrollEvent hook.
- Avoided excessive nesting for better clarity and ease of maintenance.

### 3. Reasoning for Inability to Remove All Redundant Code:

- I removed all the redundant hooks, react context api code, components and also json data in the assets folder that is redundant.
- While efforts were made to clean up the redundant images, time constraints limited the removal of all images as there were several images and it was not possible to go through entire images and see which ones were used.
- Prioritized functionality and efficiency to deliver a functional standalone page within the given timeframe.