Instructions:

- You have to create a simple To-Do List application.
- The application should allow users to add, delete, and mark tasks as completed.
- Use functional components, state, and props to manage the application.

Requirements

1. **Create a React Application (5 marks)**
   - Set up a new React project using vite.
   - Ensure the application runs without errors.
2. **Components (10 marks)**
   - Create the following components:
     - App (2.5 marks)
     - Header (2.5 marks)
     - ToDoList (2.5 marks)
     - ToDoItem (2.5 marks)
3. **State and Props (20 marks)**
   - Use state to manage the list of to-do items in the App component.
   - Pass down the necessary state and functions as props to the ToDoList and ToDoItem components.
   - Ensure each component correctly uses props to display and manage data.
4. **Lists (10 marks)**
   - Render the list of to-do items dynamically in the ToDoList component using the map function. (5 marks)
   - Ensure each to-do item is displayed with a unique key. (5 marks)
5. **Event Handling (40 marks)**
   - Implement event handling for adding a new to-do item. (10 marks)
   - Implement event handling for marking a to-do item as completed. (10 marks)
   - Implement event handling for deleting a to-do item. (10 marks)
   - Implement a feature to edit existing to-do items. (10 marks)
6. **Styling and User Experience (5 marks)**
   - Style the application to make it user-friendly and visually appealing.
   - Use CSS or a library like Bootstrap or Tailwind.

Submission (10 marks)

- Submit the link to your GitHub repository containing the project. (5 marks)
- Ensure the README file includes instructions on how to run the application. (5 marks)

.

○