

## Edify by Winuall Assignment

**Task:** Develop a Task Manager application using ReactJS. This application should allow users to add, edit, delete, and mark tasks as completed.

### Requirements:

1. **Components:**
  - **App Component:** This should be the root component that renders the entire application.
  - **TaskForm Component:** This component should include a form for adding or editing tasks.
  - **TaskList Component:** This component displays the list of tasks.
  - **Task Component:** Represents each individual task item in the list.
2. **Task Component Functionality:**
  - Display task details including title, description, priority, due date, and completion status.
  - Include a checkbox to mark tasks as completed.
  - Provide buttons to edit or delete tasks.
3. **TaskForm Component:**
  - Include input fields for task title, description, priority, and due date.
  - Include buttons for adding or editing tasks.
  - Ensure proper error handling and validation for form inputs.
4. **Features:**
  - Implement filtering tasks based on completion status (completed, pending).
  - Implement sorting tasks by priority or due date.
5. **UI Enhancements:**
  - Include animations, transitions, or any modern UI/UX practices to enhance user experience.
6. **State Management:**
  - Manage state using React's useState and useEffect hooks within components.
  - Utilize context API if global state management is necessary.
7. **Bonus (Optional):**
  - Implement drag-and-drop functionality for reordering tasks.
  - Persist task data using local storage.
  - Add modern authentication (e.g., Firebase Authentication) for user-specific task lists.

### Submission:

- Provide clear instructions on how to run the application locally.
- Share the link to your GitHub repository containing the project.

### Evaluation Criteria:

- Proper implementation of React components and state management.
- Functionality and usability of the Task Manager application.
- Organized and readable code structure.
- Attention to detail in UI/UX design.
- Implementation of additional features beyond the basic requirements will be appreciated.

**Note:** Feel free to use any additional libraries or tools that you find beneficial for this assignment. Document any external dependencies and installation instructions.

**Good luck with your assignment!**

**Deadline to submit the assignment: 10-04-2024, 2:30PM**

**Submission form: Will be shared shortly**