CDAC Mumbai

Module: WPT
Topic: Assignment

Task Management App

Objective:

Develop a robust and user-friendly task management application using React. The app should enable users to:

1. **Create Tasks:**
   - Add new tasks with a title and description.
   - Assign a priority level to each task (e.g., low, medium, high).
   - Set due dates for tasks.
2. **Read Tasks:**
   - View a list of all tasks.
   - Filter tasks based on priority or due date.
   - Search for tasks by keyword.
3. **Update Tasks:**
   - Edit the title, description, priority, and due date of existing tasks.
   - Mark tasks as completed or incomplete.
4. **Delete Tasks:**
   - Remove completed or unwanted tasks.

Technical Requirements:

- **React:** Utilize React components and hooks to build the app's UI and manage state.
- **Routing:** Implement routing to navigate between different views (e.g., task list, task details, task creation).
- **State Management:** Use React's state management techniques to store and update task data.
- **Styling:** Apply CSS/React-Bootstrap to style the app's components.