

Kanban Board

Build a **Kanban-style task management application** using React JS that allows users to create, organize, and move tasks between columns like "To Do", "In Progress", and "Done". This project focuses on **drag-and-drop interaction, state management using Context API, and local persistence using localStorage**.

What to do?

Task Board Layout:

- Display multiple task columns: **To Do, In Progress, and Done**.
- Each column should show task cards with key info like **title, description, and optional tags or priority**.
- Responsive layout using **TailwindCSS**.

Add/Edit/Delete Tasks:

- Allow users to **create new tasks** via an input form (task name, description, status).
- Enable **editing or deleting tasks** using actions on each task card.
- Task data should persist via **localStorage**, even after refresh.

Drag and Drop:

- Implement drag-and-drop functionality to **move tasks between columns**.

- Dragging should update the internal task state and persist it.
- Use either `react-beautiful-dnd` or `dnd-kit`.

Task Details Modal :

- On clicking a task, open a modal to view full details.
- Enable inline editing of fields like description or status.

User Features:

- View tasks organized into visual columns.
- **Drag and drop** tasks between columns smoothly.
- **Create, edit, or delete** task cards.
- Data is **persisted locally** so user doesn't lose progress on reload.
- Optional: Add tags, priorities, or deadlines for tasks.

Tech Stack to be Used:

- **React JS**
- **TailwindCSS** for styling
- **React Hooks** (`useState`, `useContext`, `useEffect`) for state management

- **Context API** for global task state
- **react-beautiful-dnd** or **dnd-kit** for drag-and-drop
- **localStorage** for persistence (no external APIs required)

How Do I Submit My Work?

1. **Deploy** your application using [Netlify](#)
2. **Push** your source code to a public GitHub repository.
3. **Submit the Netlify and GitHub URLs** on the given portal.

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