TECHNICAL DOCUMENTATION

OVERVIEW

LocalKanban is a simple Kanban board app created in HTML, CSS, and JavaScript. It works completely offline, using your browser's local storage to save tasks and labels. You don't need any servers or special software to run it—just open the HTML file in your web browser.

HOW THE PROJECT WORKS

MAIN FEATURES

- **Task management**: Create, edit, copy, delete, and drag-and-drop tasks between columns.

- **Labels**: Customize tasks with color-coded labels.

- **Backup and Restore**: You can back up your tasks to a JSON file or restore them from it.

DATA STORAGE

- Tasks and labels are saved locally in your browser using localStorage.

JAVASCRIPT FUNCTIONS EXPLAINED

SAVING AND LOADING DATA

- `saveToLocalStorage()`: Saves your tasks to your browser.

- `saveLabelsToLocalStorage()`: Saves labels.

- `loadFromLocalStorage()`: Loads tasks when the app opens.

- `loadLabelsFromLocalStorage()`: Loads labels.

TASK OPERATIONS

- `openCreateModal(status)`: Opens a form to create a new task.

- `closeCreateModal()`: Closes the task creation form.

- `openEditModal(taskId)`: Opens a form to edit task details.

- `closeEditModal()`: Closes the edit form.

- `copyTask(taskId)`: Copies task details to your clipboard.

- `deleteTask(taskId)`: Removes a task.

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DRAG AND DROP

- Tasks can be moved between columns by dragging.

- Functions used: `drag(event)`, `allowDrop(event)`, `drop(event)`

LABELS

- Labels are colored tags you can assign to tasks.

- `toggleNewLabel(mode)`: Shows or hides the label creation section.

- `addNewLabel(mode)`: Adds a new custom label.

BACKUP AND RESTORE

- `backupData()`: Saves tasks as a downloadable file (JSON).

- `restoreBackup(event)`: Restores tasks from a JSON backup file.

- `clearLocalStorage()`: Clears all task data from your browser.