

Sprint 2

 Sprint 2 – Implementation Log

Sprint Goal

Empower users to manage their tasks more effectively by enabling completion tracking and inline editing of existing task details.

User Stories Delivered

- As a user, I want to mark tasks as completed so I can see which tasks are done.
- As a user, I want to edit existing tasks so I can update details when needed.

Technical Implementation

PTM5 – Mark Task as Completed

- **Feature:** "✓ Done" button added next to "To Do" tasks
- **Logic:** On click, task status is updated to "Done" via `TaskService`
- **UI:** Task moves from "To Do" section to "Done" instantly
- **Persistence:** Change saved to browser `LocalStorage`




PTM6 – Edit Existing Tasks

- **Feature:** Inline edit mode with input fields for task title and due date
- **Logic:** "✎ Edit" button triggers editable state → Save / Cancel options
- **Validation:** Title must not be empty
- **Persistence:** Updated data saved via `updateTask()` method in `TaskService`
- **UI:** Task re-renders after saving, no full reload needed

Code Highlights

- New method added: `TaskService.updateTask(updatedTask: Task)`
- New UI logic: `editingTaskId`, `editedTitle`, `editedDueDate` to manage inline edits
- DOM dynamically toggles between view and edit mode using `*ngIf` and `ng-template`

Links

-  [GitHub Repository](#)
-  [Sprint 2 Planning](#)
-  [Sprint 2 Retrospective](#)