

Sprint 4

✓ Sprint 4 – Implementation Log

🎯 Sprint Goal

Add support for task priority management and enhance UI with Angular Material components.

📝 User Stories Delivered

- 📌 As a user, I want to set priority when creating a task so I can better organize my work.
- 📌 As a user, I want to filter tasks by priority so I can focus on what matters most.

⚙️ Technical Implementation

🌟 PTM10 – Set Priority When Adding Task

- Added a `<mat-select>` dropdown to the task form
- Priority field added to the task model and form state
- Value persisted in `localStorage` and displayed in task list

⚡ PTM11 – Filter Tasks by Priority

- Added priority filter dropdown with `[(ngModel)]` in task list
- Combined with keyword search filtering
- `getTasksByStatus()` updated to include priority logic

🔗 PTM12 – Angular Material Integration

- Installed Angular Material and selected prebuilt theme
- Enabled `provideAnimations()` in app config
- Added `MatInputModule`, `MatSelectModule`, and `MatButtonModule`
- Task form fully converted to Material components

🌟 PTM13 – Layout & Form Improvements

- Applied Flexbox layout to center and separate task form and task list
- Added spacing, max-width limits, and visual balance to page

🔗 Related Links

- 🔗 [GitHub Repo](#)
- 🔗 [Sprint 4 Planning](#)
- 🔗 [Sprint 4 Retrospective](#)