

# TASK MANAGEMENT

Stay organized and get things done

**Presented By**

YASELA DISSANAYAKE

# MAIN FEATURES



## Task CRUD

Create, Retrieve, Update and Delete tasks

## Status management

Statuses: To Do(Default) , In Progress, Done.

## Filtering

Filter by “Status” or “Dead line”

## List & detail UX

List view with description, status pill, due badge  
(overdue highlighted)

# USER'S NEED

- The user wants a simple tool to keep track of their tasks.
- They should be able to add new tasks, edit them if details change, and delete them when they're no longer needed.
- Each task needs a status — like “To Do”, “In Progress”, or “Done” — so the user can see their progress.
- Tasks can also have a due date, and the app should clearly show if a task is overdue.
- The user should be able to filter the task list to only see certain statuses or tasks with certain deadlines, so they can focus on what's urgent or important.
- They should also be able to sort tasks, for example, by due date or by status.
- 



**To do**



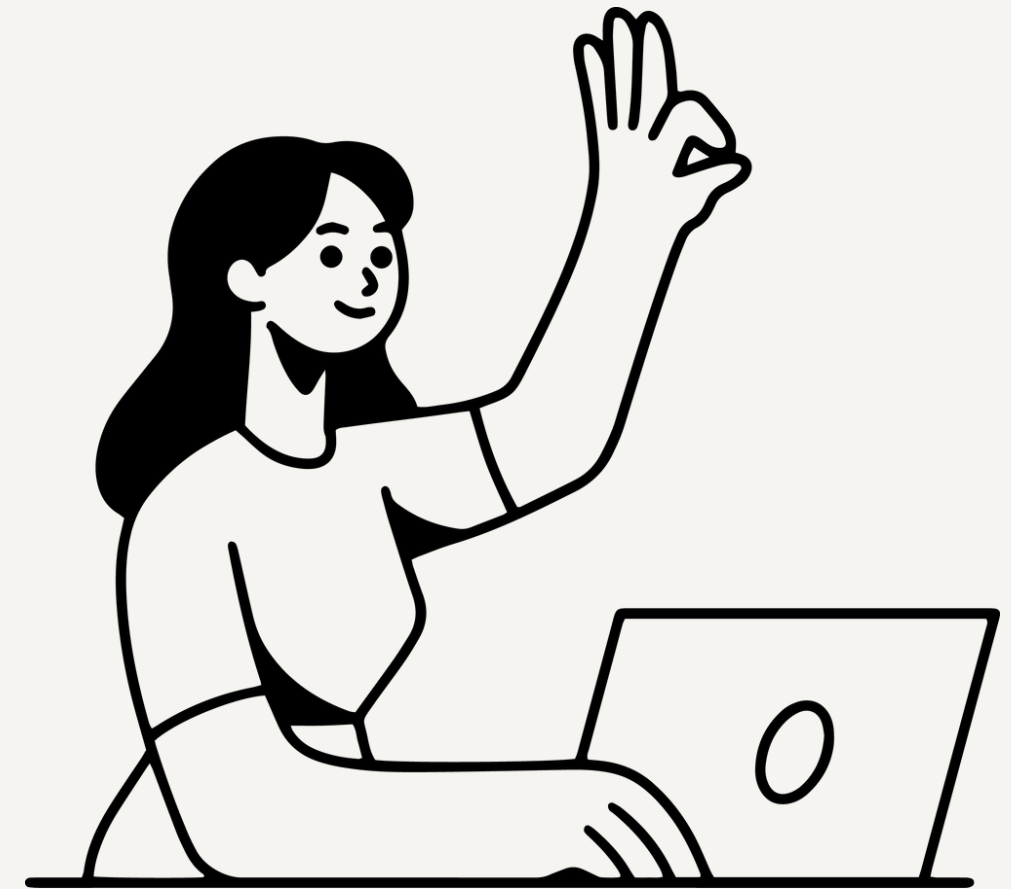
**In-Progress**



**Done**

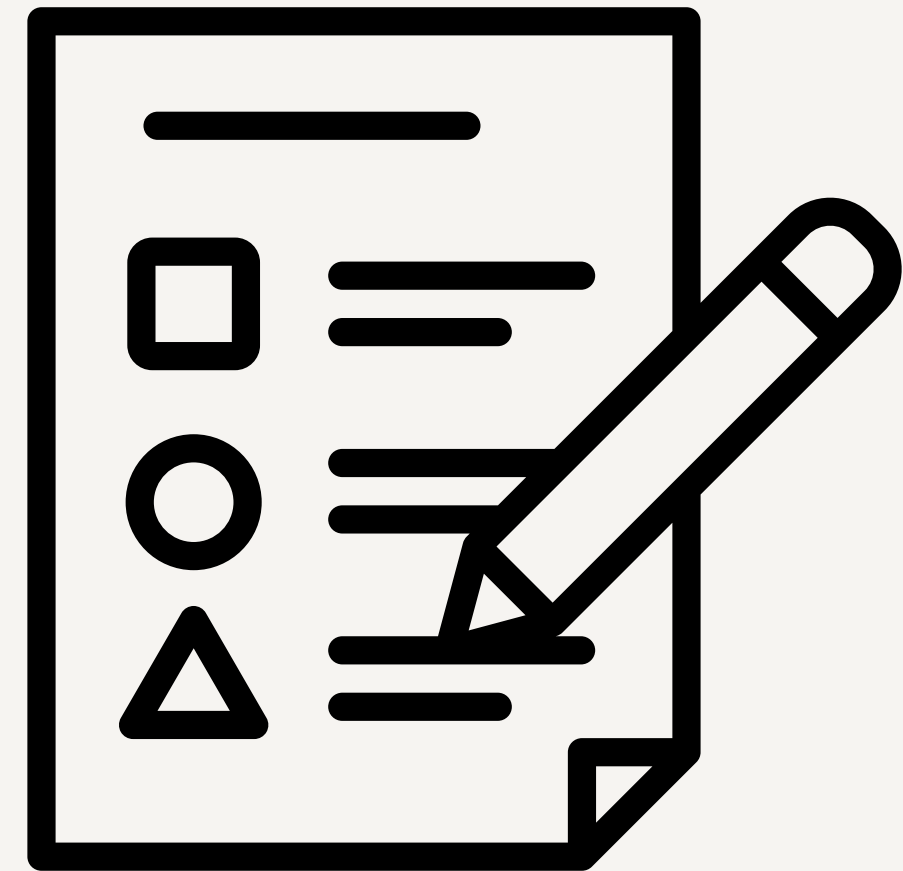
# VALIDATION & **EDGE CASES**

- Empty/whitespace descriptions → disallow.
- Very long descriptions → enforce max length (e.g., 160 chars for the short field).
- Duplicate tasks → allowed, but consider a subtle hint; do not block.
- Invalid dates (e.g., Feb 30) → block with clear error.
- Past due date on create → allowed, but show “Overdue”.



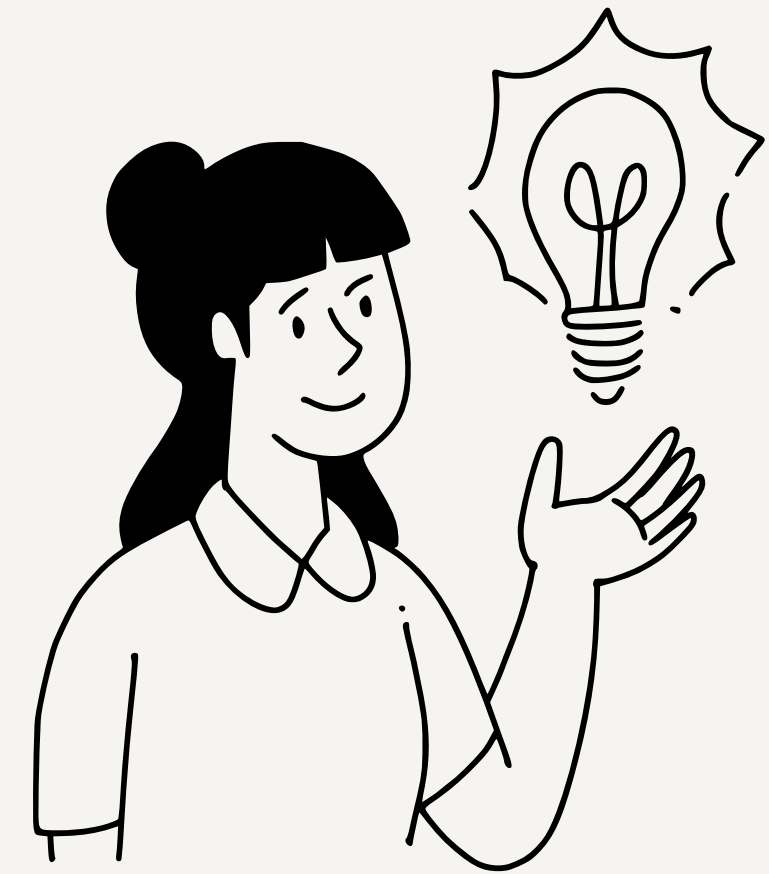
# ASSUMPTIONS

- Single user; no login/auth.
- Date-only due dates (no time-of-day).
- Three fixed statuses only; no custom status names.
- No subtasks, attachments, comments, or tags.
- No notifications (email/push).
- Local-only, simple storage (in-browser local storage).



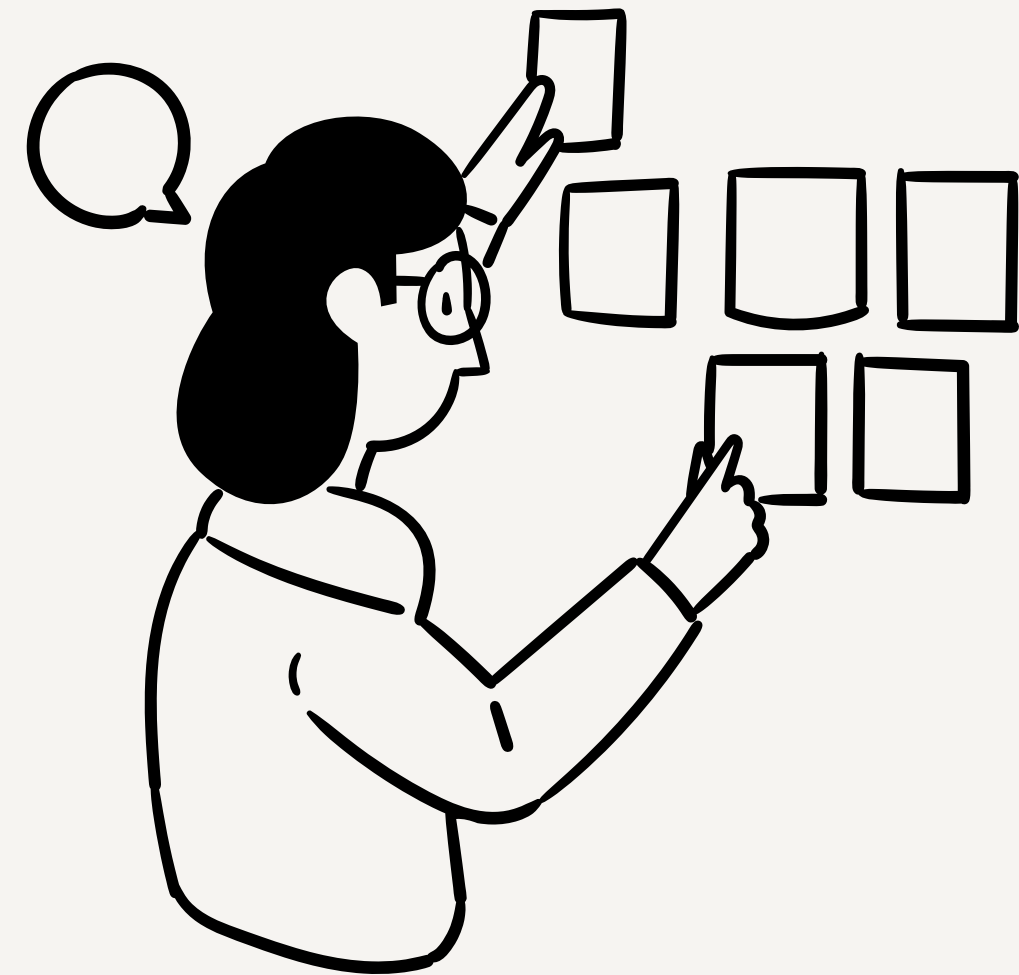
# PLANNED FEATURES

- Task CRUD (create, edit, delete)
- Status management (To Do / In Progress / Done)
- Due date + overdue indicator
- Filtering by status and deadline buckets (Overdue, Today, Upcoming)
- Sorting (by due date, then status order)
- Responsive UI
- Storage (localStorage)



# TASK BREAKDOWN

- Project setup (Vite/React, TS, Tailwind, ESLint)
- Data model + localStorage service (CRUD )
- Add Task form (description + due date validation)
- Task list UI (rows with status pill + due badge)
- Status interactions (quick toggle / select)
- Overdue logic (labels for Overdue/Today/This Week)
- Filters panel (status multi-select + deadline buckets)
- Sorting



# AI TOOLS

## **VO.dev ( Application Development)**

Prompt used: Create a simple React+ Tailwind + Typescript application with the following features,

- I want to create, update, and remove tasks from a list.
- Each task should have a status (e.g., To Do, In Progress, Done), a due date, and a short description.
- I want to filter tasks based on their status and deadlines so I can prioritize my work and track what's pending or completed.Do not need to use a backend and database.
- Use local storage to store the data we need

## **ChatGPT ( Documentation )**

## **DiagramGPT ( Architecture Diagram)**

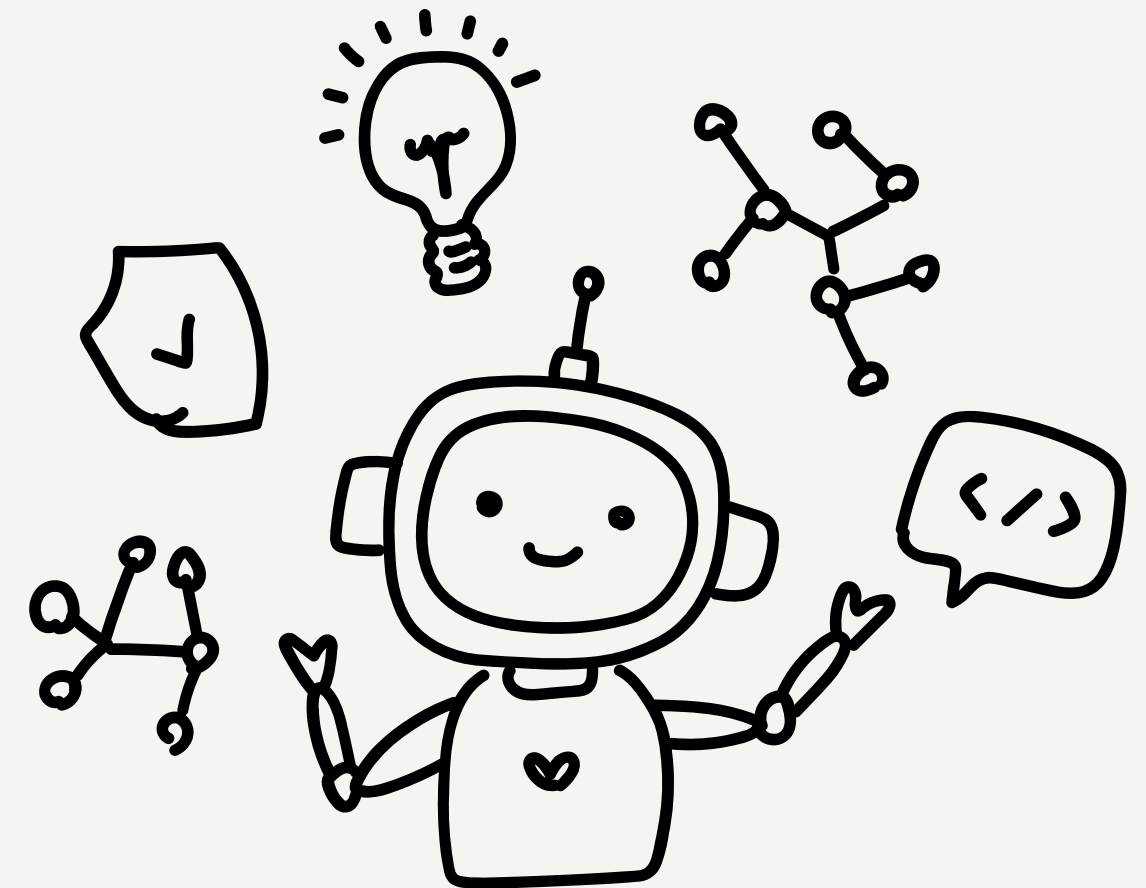




Figure 1

