Doug DimmaDome Team Project

Team Name & Members

Doug DimmaDome

Team Members:

- **Team Lead** - Cleyton Shelton
- **Team Member** - Austin Shelton
- **Team Member** - Parker Groneck
- **Team Member** - Abdullahi Abdirahamn

Problem Domain

Problem Statement:
Many users struggle to manage their tasks, projects, and deadlines efficiently. Existing task management tools are either too generic, overly complex, or fail to provide meaningful ways to organize and track progress. Common challenges include:

- Losing track of multiple tasks and deadlines
- Difficulty managing projects with multiple steps or sub-tasks
- Hard to get a clear overview of workload at a glance
- Lack of motivation or feedback to complete tasks on time

Team-Rules

1. **Clear and consistent communication** is essential for team success.
2. The **team leader will update the team project page weekly**, and **each team member is responsible for updating their individual progress page weekly**.
3. **Each team member will work on their own Git branch**. Once a feature is complete, the member will **open a pull request**, which will be **tested and reviewed by the team leader** before merging.
4. **All team members are expected to document their work clearly**, including meaningful commit messages and brief descriptions of changes, to ensure transparency and smooth collaboration.

Features & Requirements

Key Features (6 Total)

Feature 1: Dashboard with Modular Task Blocks

Requirements to Implement:

- Display all tasks in a **dashboard layout** with modular blocks
- Each block shows task **title, priority, and status**
- Ability to **expand/collapse blocks** to show/hide sub-tasks
- Modular design to allow adding future features (like notes or attachments)

Feature 2: Task Priorities

Requirements to Implement:

- Assign tasks **priority** levels: High, Medium, Low
- Visual indicators (like badges or color coding) for priority
- Ability to filter or sort tasks by **priority**

Feature 3: Task Status and Progress Tracking

Requirements to Implement:

- Assign tasks **status**: Not Started, In Progress, Completed
- Track progress for multi-part tasks based on sub-tasks completed
- Update progress dynamically as sub-tasks are completed
- Allow users to **see a summary of progress** for each task

Feature 4: Calendar View

Requirements to Implement:

- Map tasks to a **calendar based on due dates**
- Display tasks in **monthly/weekly views**
- Click on calendar task to **view detailed info** (title, description, sub-tasks, priority)
- Optional: color-code tasks based on **status or priority**

Feature 5: Customizable UI Themes

Requirements to Implement:

- Users can switch between **light and dark mode**
- Option to select **custom colors** for themes
- Ensure all dashboard and task block elements **update dynamically** with theme changes
- Keep design modular to allow future customization options

Feature 6: Gamification / Points System

Requirements to Implement:

- Track points for **task completion**
- Award **bonus points** for early completion
- Display **points and level** on user profile
- Optional: leaderboards or progress badges for motivation
- Integrate with task completion workflow to automatically update points

Development Roadmap

Sprint 1 Deliverables

1. Create the **Calendar View**
    - Monthly and weekly task views
    - Tasks linked to due dates
    - Click-to-view detailed task information

2. Implement **Task Priorities**
    - Add High / Medium / Low priority levels
    - Visual indicators (badges or color coding)
    - Enable sorting and filtering by priority
3. Develop **Task Status and Progress Tracking**
    - Add task statuses (Not Started, In Progress, Completed)
    - Track and display task progress dynamically

Sprint 2 Deliverables

4. Build the **Dashboard with Modular Task Blocks**
    - Create the main dashboard layout
    - Display task title, priority, and status
    - Implement expand/collapse behavior

5. Add **Customizable UI Themes**
    - Light and dark mode
    - Custom color options
    - Dynamic UI updates
6. Implement **Gamification / Points System**
    - Points for task completion
    - Bonus points for early completion
    - User levels and progress display

Questions?