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Adv topics Web Development

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User Stories

**AI Disclosure:** I did not use AI to develop these following user stories or workflows.

1. User Registration

As a New user I want to create an account so that I can securely manage my projects and tasks.

* Trigger -> I click Sign Up on the home page.
* Main Flow
  1. System displays the registration form.
  2. I enter Username, Email, and Password, then click Submit.
  3. System validates each field.
  4. System creates my account, logs me in, and redirects me to the dashboard.
* Exception Flow
  1. If any field is invalid or the email is already in use, then the form reloads with inline error messages.
* Acceptance Criteria
  1. If I have empty or invalid fields, I see errors under each bad field.
  2. If I have valid and unique inputs, I land on the dashboard as a logged-in user.

2. Create Project

As a user I want to create a new project with a title and description so that I can organize my tasks by theme.

* Trigger -> I click New Project on my Projects page.
* Main Flow
  1. System shows a blank Create Project form.
  2. I enter Title and Description, then click Save.
  3. System validates that Title is not blank.
  4. System saves the project and redirects me to that project’s detail page.
* Exception Flow
  1. If Title is blank, then form reloads and displays “Title is required.”
* Acceptance Criteria
  1. When I save with a blank title, I stay on the form and see -> Title is required.
  2. When I save with a valid title and valid description, the new project appears in my list.

3. Create Task

As a user I want to add a task with title, description, due date, and priority so that I can track specific work items effectively.

* Trigger -> I click Add Task on a project’s detail page.
* Main Flow
  1. System displays a blank Create Task form.
  2. I fill in Title, Description, Due Date, and Priority, then click Save.
  3. System validates required fields.
  4. System saves the task and updates the task list without reloading the page.
* Exception Flow
  1. If Title or due date is missing/invalid, then The form reloads with inline error messages.
* Acceptance Criteria
  1. When I save with missing fields, I remain on the form seeing errors.
  2. When I save with valid task info, the new task appears immediately in the list.

4. Mark Task Complete

As a user I want to mark a task as complete so that I can track my progress and clear finished items.

* Trigger -> I click the checkbox next to a task in my list.
* Main Flow
  1. System sends an AJAX request to update the task’s status.
  2. On success, the task moves to the Completed section instantly.
* Exception Flow
  1. If the update fails (e.g., network error), then the UI shows “Could not update status” and the task stays in its original spot.
* Acceptance Criteria
  1. When I check a task with a working connection, it moves to Completed immediately.
  2. When I check a task and have a server error, I see an error message and the task remains pending.

5. Dashboard Overview

As a user I want to see a dashboard with stats like total tasks, completed tasks, upcoming deadlines, etc. that way I can monitor my progress at a glance.

* Trigger -> I click Dashboard in the navigation bar.
* Main Flow
  1. System gathers my task counts and next three due dates.
  2. System displays widgets for Total Tasks, Completed, and Due Soon, plus a mini chart of weekly completions.
* **Exception Flow**
  1. If the data fetch fails, the page shows “Could not load dashboard” and a Retry button.
* Acceptance Criteria
  + When I load the dashboard with existing data, each widget shows the correct number and the chart reflects recent completion trends.