

This testing plan will test all the main functions of our application. Many more tests would go into ensuring our code works properly, but these 10 are the most important and comprehensive tests to ensure pass. These tests would include both the backend of our code as well as testing whether the proper changes that occur in the backend are properly displayed in the frontend.

Test ID	Description	Expected Results	Actual Results
TC01 (Pranav) User Login	Preconditions: User is at the login page. Steps: User enters valid credentials and clicks 'Login'.	User successfully logs in and is redirected to the main dashboard.	
TC02 (Pranav) Task Creation	Preconditions: User is logged in. Steps: User navigates to task creation, enters task details, and saves the task.	New task is created and visible in the task list.	
TC03 (Pranav) Task Deletion	Preconditions: Existing task is visible. Steps: User selects a task and deletes it.	Task is removed from the task list.	
TC04 (Raghav) Task Update	Preconditions: Existing task is visible. Steps: User edits task details and saves changes.	Task details are updated in the task list.	
TC05 (Raghav) Profile Update	Preconditions: User is on their profile page.	User profile information is updated.	

	Steps: User changes profile information and saves.		
TC06 (Raghav) Task Prioritization	Preconditions: Task list is visible. Steps: User selects a task and sets its priority.	Task priority is updated in the list.	
TC07 (Mathew) Reminder Setting	Preconditions: Task with due date is visible. Steps: User sets a reminder for the task.	Reminder is set, and notification is received at the specified time.	
TC08 (Mathew) Task Search	Preconditions: User is on the main dashboard. Steps: User searches for a task using keywords.	Relevant tasks are displayed in search results.	
TC09 (Mathew) Task Filtering	Preconditions: Task list is visible. Steps: User applies a filter by due date.	Tasks are filtered and displayed as per the selected criteria.	
TC10 (Prat) User Logout	Preconditions: User is logged in. Steps: User clicks on the 'Logout' option.	User is logged out and redirected to the login screen.	