**Project Description: Test Cases**

Jeel Patel

Radin Zahirinegad

Joshua Agoda

Mohammed Aaquib Hussain

Xavier Swopes

1. **Test Case:** User edits a specific task and while editing the task accidentally adds a letter in the date section and saves  
   **Inputs:** Editing Task, and entering invalid Date on the Date form fields  
   **Expected Results:** Edited Task cannot save changes due to incorrect format in date and time and a message is played to correct the wrong areas.

**Failed Result:** The edited task is saved and is missing from the calendar which is a failure of implementation and maintaining the correct format

1. **Test Case:** Verify that users cannot access other users’ task lists.  
   **Inputs:** Log in as one user and attempt to access another user’s task list using a different user ID.  
   **Expected Results:** The system restricts access to the task list associated with the logged-in user’s ID, ensuring that users cannot view or modify tasks belonging to other users

**Failed Result:** The system does allow the user to access and modify the task lists associated with other users’ IDs, violating privacy and security protocols, and leading to authorized access to sensitive information.

1. **Test Case:** The user created a task on Tuesday but now wants to delete it and presses yes on the dialog.  
   **Inputs:** Make a task, change the date to Tuesday, Move the tasklist towards Tuesday, click the delete button on the new task, and click yes on the dialog.  
   **Expected Results:** The new task created on Tuesday is now deleted and refreshed to show it's gone from Tuesday in the To-do List.

**Failed Results:** The new task created on Tuesday is not deleted and when refreshed is still on the Calendar.

1. **Test Case:** The user marks out a task they have completed.  
   **Inputs:** Mark as complete/checkbox button on a specific task  
   **Expected Results:** The system grays out the task and adds a strikethrough line to signify the task has been marked as complete.

**Failed Results:** The tasks stay the same as the rest of the “active” tasks, so it isn’t grayed and strikethroughed out.

1. **Test Case:** Verify that users will get a reminder alert if they turn on notifications.  
   **Inputs:** The user creates a task to input all the information, and turns on reminders by clicking the “Reminders” tickbox.  
   **Expected Results:** The user gets an email notification about the due date of their task.

**Failed Result:** User does not get notified about their up and coming task.

1. **Test Case:** User wants to search for a task in an organized manner (i.e due date, creation date, priority, completion). The organized preference here is by due date. **Inputs:** User uses the “Sort by” drop down menu and selects their preferred method of sorting **Expected Results:**  The tasks list will be sorted to show which tasks are due first or sooner than others.

**Failed Results:** The task list doesn’t update and stays as its default order.

**Failed Results:** The task list sorts by creation date or another sorting option instead of by due dates.

1. **Test Case:** Verify that the user can save a task after the submit button is clicked.  
   **Inputs:** User inputs task information and clicks submit.  
   **Expected Results:** The new task is saved into the database, and is displayed on the task list.

**Failed Result:** The new task is not saved into the database, and it is not displayed on the task list.

1. **Test Case:** Verify that the user can turn on dark mode when its button is clicked.

**Input:** User clicks on the button displaying “Dark mode: Off”.

**Expected Result:** Button text displays “Dark mode: On” and web page visuals are altered to a dark setting.

**Failed Result:** Clicking the “Dark mode: Off” does not trigger the expected behavior. The web page visuals do not switch to a dark setting, causing a failure in the implementation.