Test cases

Assumption:

The user signed in to the app successfully

**Add new task - Click “Save” button**

Test Case 1: Verify Successful Addition of Task

Test Steps:

Navigate to the "Add Task" button.

Add Task window shown up

Enter valid details for the new task (title, description, due date, project, etc.).

Click on the "Save" button.

Expected Result: The task should be successfully added to the task list with the provided details.

Test Case 2: Verify Mandatory Fields Validation

Test Steps:

Navigate to the "Add Task" button.

Add Task window shown up

Attempt to add a task without filling in mandatory fields (e.g., title, project).

Click on the "Save" button.

Expected Result: The application should display appropriate error messages for mandatory fields are required to add a task.

Test Case 3: Verify Handling of Invalid Input

Test Steps:

Navigate to the "Add Task" button.

Add Task window shown up

Enter invalid input (e.g., special characters in numeric fields, past due date).

Click on the "Save" button.

Expected Result: The application should display appropriate error messages for invalid input and prevent the addition of the task until valid input is provided.

Test Case 4: Verify Addition with Optional Fields

Test Steps:

Navigate to the "Add Task" button.

Add Task window shown up

Enter valid details for the new task, including optional fields

Click on the "Save" button.

Expected Result: The task should be successfully added to the task list with both mandatory and optional details included.

Test Case 5: Verify Character Limits

Test Steps:

Open the task management application.

Navigate to the "Add Task" section.

Enter input exceeding the character limits for fields such as title and description.

Click on the "Save" button.

Expected Result: The application should enforce character limits for input fields and display an error message if the input exceeds the specified limits.

**Add new task - Click “Save & Show” button**

**Add new task - Click “Save” button**

Test Case 1: Verify Successful Addition of Task

Test Steps:

Navigate to the "Add Task" button.

Add Task window shown up

Enter valid details for the new task (title, description, due date, project, etc.).

Click on the "Save & Show" button.

Expected Result: A task info window will be shown with the correct information input and the task should be successfully added to the task list with the provided details.

Test Case 2: Verify Mandatory Fields Validation

Test Steps:

Navigate to the "Add Task" button.

Add Task window shown up

Attempt to add a task without filling in mandatory fields (e.g., title, project).

Click on the "Save & Show" button.

Expected Result: The application should display appropriate error messages for mandatory fields are required to add a task.

Test Case 3: Verify Handling of Invalid Input

Test Steps:

Navigate to the "Add Task" button.

Add Task window shown up

Enter invalid input (e.g., special characters in numeric fields, past due date).

Click on the "Save & Show" button.

Expected Result: The application should display appropriate error messages for invalid input and prevent the addition of the task until valid input is provided.

Test Case 4: Verify Addition with Optional Fields

Test Steps:

Navigate to the "Add Task" button.

Add Task window shown up

Enter valid details for the new task, including optional fields

Click on the "Save & Show" button.

Expected Result: A task info window will be shown with the correct information input and the task should be successfully added to the task list with both mandatory and optional details included.

Test Case 5: Verify Character Limits

Test Steps:

Open the task management application.

Navigate to the "Add Task" section.

Enter input exceeding the character limits for fields such as title and description.

Click on the "Save" button.

Expected Result: The application should enforce character limits for input fields and display an error message if the input exceeds the specified limits.

**Edit tasks - “Save” button**

Test Case 1: Verify Successful Editing of Task

Test Steps:

Navigate to the task that needs to be edited.

Click on the "Edit" option for the task.

Modify one or more details of the task (e.g., title, description, due date, priority).

Click on the "Save" button.

Expected Result: The task should be successfully updated with the modified details.

Test Case 2: Verify Canceling Edit Action

Test Steps:

Navigate to the task that needs to be edited.

Click on the "Edit" option for the task.

Modify one or more details of the task.

Click on the "Close” button.

Expected Result: The changes made to the task should be discarded, and the task should remain unchanged.

Test Case 3: Verify Mandatory Fields Validation

Test Steps:

Navigate to the task that needs to be edited.

Remove values from mandatory fields (e.g., title, project) or leave them blank.

Click on the "Save" button.

Expected Result: The application should display an error message indicating that mandatory fields are required to update the task.

Test Case 4: Verify Handling of Invalid Input

Test Steps:

Navigate to the task that needs to be edited.

Enter invalid input (e.g., special characters in numeric fields ).

Click on the "Save" button.

Expected Result: The application should display appropriate error messages for invalid input and prevent the task from being updated until valid input is provided.

Test Case 5: Verify Character Limits

Test Steps:

Navigate to the task that needs to be edited.

Enter input exceeding the character limits for fields such as title and description.

Click on the "Save" button.

Expected Result: The application should enforce character limits for input fields and display an error message if the input exceeds the specified limits.

Test Case 6: Verify Updating Task Status

Test Steps:

Open the task management application.

Navigate to the task that needs to be edited.

Change the status of the task (e.g., from "In Progress" to "Completed").

Click on the "Save" button.

Expected Result: The task status should be successfully updated, and the changes should be reflected in the task details

**Edit tasks - “Save & Show” button**

Test Case 1: Verify Successful Editing of Task

Test Steps:

Navigate to the task that needs to be edited.

Click on the "Edit" option for the task.

Modify one or more details of the task (e.g., title, description, due date, priority).

Click on the "Save & Show" button.

Expected Result: A task info window will be shown with the correct updated information and the task should be successfully added to the task list with the updated details.

Test Case 2: Verify Canceling Edit Action

Test Steps:

Navigate to the task that needs to be edited.

Click on the "Edit" option for the task.

Modify one or more details of the task.

Click on the "Close” button.

Expected Result: The changes made to the task should be discarded, and the task should remain unchanged.

Test Case 3: Verify Mandatory Fields Validation

Test Steps:

Navigate to the task that needs to be edited.

Remove values from mandatory fields (e.g., title, project) or leave them blank.

Click on the "Save" button.

Expected Result: The application should display an error message indicating that mandatory fields are required to update the task.

Test Case 4: Verify Handling of Invalid Input

Test Steps:

Navigate to the task that needs to be edited.

Enter invalid input (e.g., special characters in numeric fields ).

Click on the "Save" button.

Expected Result: The application should display appropriate error messages for invalid input and prevent the task from being updated until valid input is provided.

Test Case 5: Verify Character Limits

Test Steps:

Navigate to the task that needs to be edited.

Enter input exceeding the character limits for fields such as title and description.

Click on the "Save" button.

Expected Result: The application should enforce character limits for input fields and display an error message if the input exceeds the specified limits.

Test Case 6: Verify Updating Task Status

Test Steps:

Open the task management application.

Navigate to the task that needs to be edited.

Change the status of the task (e.g., from "In Progress" to "Completed").

Click on the "Save" button.

Expected Result: A task info window will be shown with the changes should be reflected in the task details

**Delete a task**

Test Case 1: Verify Successful Deletion of Task

Test Steps:

Navigate to the task that needs to be deleted.

Click on the "X" button for the task.

The application should display a pop-up window asking the user to confirm the deletion action before proceeding “Are you sure? You won't be able to undo this action!”

Confirm the deletion action by clicking the “Delete” button

Expected Result: The task should be successfully deleted from the task list. A pop-up message is shown “The record has been deleted”

Test Case 2: Verify Canceling Delete Action

Test Steps:

Navigate to the task that needs to be deleted.

Click on the "X" button for the task.

A pop up window shows “Are you sure? You won't be able to undo this action!”

Choose the “Cancel” button for the deletion action.

Expected Result: The task should remain unchanged, the deletion action should be canceled, and the task should still show on the task page

Test Case 3: Verify Deleted Task No Longer Appears

Test Steps:

Navigate to the task that needs to be deleted.

Click on the "X" button for the task.

The application should display a pop-up window asking the user to confirm the deletion action before proceeding “Are you sure? You won't be able to undo this action!”

Confirm the deletion action by clicking the “Delete” button

Expected Result: After deletion, the task should no longer appear in the task list or any associated views.