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## **Test Cases**

### **Test Case 1:**

Description: User attempts to enter a title for creating a new task.

Pre-conditions: User has clicked the "Add Task" button.

Steps:

1. User enters the desired text into the text area.
2. User submits the text by clicking the checkmark.

Data (pass):

Any string of text/numbers/special characters

Data (fail):

Only whitespace

Expected Results:

Successful submission of title and addition of task (pass)

Error message "Enter a valid title!" (fail)

### **Test Case 2:**

Description: Setting a time for sending notification to users

Pre-conditions: User has previously submitted a task and is now trying to alter the notification settings

Steps:

1. User selects the button for managing notification settings.
2. User selects a time for the notification to be sent with the calendar option

Data (pass):

Any time in the future

Data (fail):

Any time in the past

Expected results:

Successful submission of the new notification settings (pass)

Error message "Select a valid time!" (fail)

### **Test case 3:** Mark an active task as completed

- Objective: To verify that a user can successfully mark an active task as completed.
- steps:
  - 1.1 open the to do list application and login
  - 1.2 select an active task from the list
  - 1.3 click on the option to mark the task as completed.
- Expected Result: the tasks status is updated to “completed”, and visual indication of this change is displayed.
- Pass/Fail criteria: pass if the task is marked as completed; fail otherwise.

### **Test Case 4:** Persistency of Task Status upon Re-login

- Objective: To ensure that the completion status of tasks persists after the user logs out and logs back in.
- Steps
  - 2.1 Open the to-do list application and log in.
  - 2.2 Mark a task as completed and log out.
  - 2.3 Log back in into application
- Expected Result: The previously completed task remains marked as completed.
- Pass/Fail Criteria: Pass if task completion status persists across sessions; fail otherwise.

### **Test Case 5:** Editing a Existing Task

- Description: This test case verifies that a user can successfully edit the details of an existing task in the to-do list.
- Preconditions:
  - User is registered and logged into the website.
  - There is at least one existing task in the user's to-do list.
- Test Steps:
  - Identify an existing task to edit.
  - Click on the 'Edit' button or option next to the chosen task.
  - Update the task details as required (e.g., title, description, due date, priority).
  - Save the changes by clicking on the 'Save' or 'Update' button.

- Verify the task list is updated to reflect the changes.
- Expected Results:
  - Upon clicking 'Edit', the user is presented with an interface to modify the task details.
  - The input fields should be pre-populated with the existing task details.
  - After saving the changes, the user should be directed back to the updated task list.
  - The edited task should reflect the changes made, with no unintended alterations to other task details.
  - No errors should be displayed during the process.
- Postconditions: The task in the user's to-do list is updated with the new details.

### **Test Case 6: Delete Task**

Description: To verify that a user can successfully delete a task from their to-do list.

Pre-conditions: User has logged into the to-do list application and has tasks in their task list.

Steps:

User opens the to-do list application and logs in.

User selects a task from the task list that they want to delete.

User clicks on the option to delete the selected task.

Data (pass/fail):

Pass: The selected task is successfully deleted from the task list.

Fail: The selected task remains in the task list, or an error occurs.

Expected Results:

Successful deletion of the selected task from the task list.

Pass/Fail Criteria:

Pass if the selected task is removed from the task list.

Fail if the selected task remains in the task list or if an error occurs during deletion.

### **Test Case 7: Update Task Details**

Description: To verify that a user can successfully update the details of a task in their to-do list.

Pre-conditions: User has logged into the to-do list application and has tasks in their task list.

Steps:

User opens the to-do list application and logs in.

User selects a task from the task list that they want to update.

User clicks on the option to edit or update the selected task's details.

User modifies the task details such as title, description, due date, or priority.

User confirms the changes to update the task.

Data (pass/fail):

Pass: The selected task's details are successfully updated in the task list.

Fail: The selected task's details remain unchanged, or an error occurs.

Expected Results:

Successful update of the selected task's details in the task list.

Pass/Fail Criteria:

Pass if the selected task's details are updated in the task list.

Fail if the selected task's details remain unchanged or if an error occurs during the update process.

### **Test Case 8:** Setting up a profile with username and password

- Description: This test case verifies that a new user can successfully set up a profile using only a username and password.
- Preconditions:
  - User is on the registration page of the website or application.
  - User does not have an existing profile.
- Test Steps:
  - Navigate to the profile setup or registration page.
  - Enter a unique username in the username field.
  - Enter a valid password in the password field.
  - Click the "Submit" or "Register" button to complete the profile setup.
  - Verify account creation by logging in with the new username and password.
- Expected Results:
  - Upon clicking "Submit" or "Register", the user should receive a confirmation message or be directed to a confirmation page indicating successful profile setup.
  - The user should be able to log in to the website or application using the newly created username and password without any errors.
- Postconditions:
  - The user has an active profile associated with the entered username.
  - The user can access features available to registered users.