Manual Test Cases

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**Test Case 1: User Registration**

Test Case ID:1

Description: Verify that a new user can register successfully.

Steps:

Navigate to the registration page (/register).

Enter a valid username and password.

Click the "Register" button.

Expected Result: The user should be redirected to the login page with a success message "Registration successful! Please log in."

**Test Case 2: User Registration with Missing Fields**

Test Case ID: 2

Description: Verify that the registration fails if the username or password is missing.

Steps:

Navigate to the registration page (/register).

Leave the username or password field empty.

Click the "Register" button.

Expected Result: The user should see an error message "Username and Password are required."

**Test Case 3: User Login**

Test Case ID: 3

Description: Verify that a registered user can log in successfully.

Steps:

Navigate to the login page (/login).

Enter a valid username and password.

Click the "Login" button.

Expected Result: The user should be redirected to the home page with a success message "Logout" visible.

**Test Case 4: User Login with Invalid Credentials**

Test Case ID: 4

Description: Verify that the login fails with invalid credentials.

Steps:

Navigate to the login page (/login).

Enter an invalid username or password.

Click the "Login" button.

Expected Result: The user should see an error message "Login failed. Check your username or password."

**Test Case 5: Add Task**

Test Case ID: 5

Description: Verify that a logged-in user can add a new task.

Steps:

Log in to the application.

Navigate to the home page.

Enter task details (title, description, due date, category).

Click the "Add Task" button.

Expected Result: The task should be added to the task list with a success message "Task added successfully!"

**Test Case 6: Add Task with Missing Title**

Test Case ID: 6

Description: Verify that adding a task fails if the title is missing.

Steps:

Log in to the application.

Navigate to the home page.

Leave the title field empty.

Click the "Add Task" button.

Expected Result: The user should see an error message "Title is required."

**Test Case 7: Update Task**

Test Case ID: 7

Description: Verify that a logged-in user can update an existing task.

Steps:

Log in to the application.

Navigate to the home page.

Click the "Edit" button for a task.

Update the task details.

Click the "Update Task" button.

Expected Result: The task should be updated with a success message "Task updated successfully!"

**Test Case 8: Toggle Task Completion**

Test Case ID: 8

Description: Verify that a logged-in user can toggle the completion status of a task.

Steps:

Log in to the application.

Navigate to the home page.

Click the "Complete" button for a task.

Expected Result: The task's completion status should be toggled with a success message "Task updated successfully!"