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CSD 380

June 19, 2025

Functional test cases for the todo list web app

Test Plan 1: Add a New Todo Task

1. Navigate to https://buwebdev.github.io/todo/.
2. Click the input field under “Task Form.”
3. Enter the task name: "Do Homework."
4. Click the “Add Task” button.
5. Confirm that "Do Homework" appears under the “Todo List.”

Test Plan 2: Edit an Existing Todo Task

1. Navigate to https://buwebdev.github.io/todo/.
2. Locate the task "Do Homework" in the list.
3. Click the pencil (edit) icon next to that task.
4. Change the task name to "Do Homework After Dinner."
5. Click the “Save” button and confirm the updated task appears in the list.

Test Plan 3: Delete a Todo Task

1. Navigate to https://buwebdev.github.io/todo/.
2. Locate the task "Do Homework After Dinner" in the list.
3. Click the trash icon next to the task.
4. Confirm the task is removed from the list.
5. Refresh the page and verify the task is no longer present.

Test Plan 4: For Invalid URLs, Provide a Custom 404 Page

1. Navigate to an invalid path, such as https://buwebdev.github.io/todo/task-review.
2. Confirm the site displays a 404 error page.
3. Verify that the 404 page uses a custom design, not the browser’s default.
4. Check for a clear message that the page does not exist.
5. Navigate back to the homepage using a link or the browser’s back button.

Test Plan 5: Provide Users with a View for Mobile Devices

1. Open https://buwebdev.github.io/todo/ in a mobile browser or use browser Developer Tools in mobile view.
2. Confirm that the layout adjusts to fit a smaller screen.
3. Verify all buttons, text fields, and icons remain accessible.
4. Try adding, editing, or deleting a task to confirm functionality works on mobile.
5. Scroll through the page to ensure responsive layout and no horizontal scrolling.

Test Case 1 – Add a New Todo Task

Test Objective: Verify that a user can add a new todo task to the list.

Developer: Colton Kohler

Date Tested: June 19, 2025

| **Step** | **Action** | **Expected Result** | **Developer Pass/Fail** | **Tester Pass/Fail** |
| --- | --- | --- | --- | --- |
| 1 | Navigate to <https://buwebdev.github.io/todo/> | Page loads successfully |  |  |
| 2 | Enter “Do Homework” into the task input field | Task text appears |  |  |
| 3 | Click the “Add Task” button | “Do Homework” appears in the task list |  |  |

Comments: Ensures the user can input and display a new task.

Test Case 2 – Edit an Existing Todo Task

Test Objective: Confirm a user can edit a todo task.

Developer: Colton Kohler

Date Tested: June 19, 2025

| **Step** | **Action** | **Expected Result** | **Developer Pass/Fail** | **Tester Pass/Fail** |
| --- | --- | --- | --- | --- |
| 1 | Locate the task “Do Homework” | Task appears in list |  |  |
| 2 | Click the pencil icon next to the task | Input becomes editable |  |  |
| 3 | Change task to “Do Homework After Dinner” and save | Edited task appears in list |  |  |

Comments: Confirms task content can be modified successfully.

Test Case 3 – Delete a Todo Task

Test Objective: Ensure a task can be removed from the list.

Developer: Colton Kohler

Date Tested: June 19, 2025

Peer Tester: (leave blank or insert name)

| **Step** | **Action** | **Expected Result** | **Developer Pass/Fail** | **Tester Pass/Fail** |
| --- | --- | --- | --- | --- |
| 1 | Locate “Do Homework After Dinner” | Task is found in list |  |  |
| 2 | Click the trash icon | Task disappears |  |  |
| 3 | Refresh the page | Task remains deleted |  |  |

Comments: Confirms deletion persists across sessions.

Test Case 4 – Display a Custom 404 for Invalid URLs

Test Objective: Verify custom error handling for unknown routes.

Developer: Colton Kohler

Date Tested: June 19, 2025

Peer Tester: (leave blank or insert name)

| **Step** | **Action** | **Expected Result** | **Developer Pass/Fail** | **Tester Pass/Fail** |
| --- | --- | --- | --- | --- |
| 1 | Navigate to <https://buwebdev.github.io/todo/task-review> | 404 error page displays |  |  |
| 2 | Verify design is custom | Custom branding is visible |  |  |
| 3 | Use link or back button to return | User navigates to homepage |  |  |

Comments: Ensures graceful handling of broken URLs.

Test Case 5 – Mobile Device Responsiveness

Test Objective: Ensure the site adapts to mobile screens.

Developer: Colton Kohler

Date Tested: June 19, 2025

Peer Tester: (leave blank or insert name)

| **Step** | **Action** | **Expected Result** | **Developer Pass/Fail** | **Tester Pass/Fail** |
| --- | --- | --- | --- | --- |
| 1 | Open site in mobile browser or DevTools | Layout adjusts to screen size |  |  |
| 2 | Add/edit/delete a task | Functions remain usable |  |  |
| 3 | Scroll the page | No horizontal scrolling occurs |  |  |

Comments: Validates the mobile user experience meets requirements.