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| **Project:** Todo App Testing |  |
| **Course:** CSD 380 |  |
| **Description:** Functional test cases for the Todo application |  |
| **Date:** 2025/06/17 |  |

To complete the test case plan, fill out the information for Project, Course, Description and Date in the header below.

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For each test, the developer should: provide a test description, a test objective, the developer name and date tested. For each step, fill out the actions to be taken and describe the expected results, and indicate yes or no for each step depending upon the result. The peer tester should provide their name, date tested, indicate yes or no for each step depending upon the result, and a screenshot (thumbnail) of the result.

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| Test 1 | **Verify homepage accessibility at the standard URL.** | | | |
|  | **Test Objective:**  Ensure the application loads without errors at the specified URL. | **Developer: Nima Memarzadeh**  **Date tested:** 2025/06/17 | **Peer tester: Truman Forey**  **Date tested:** <2025/06/21> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Open browser and navigate to <https://buwebdev.github.io/todo/> | Page loads successfully; “Todo” header, input box, and any existing tasks are visible. | Pass | Yes |
| 2 | Refresh the browser | Page reloads without errors; all UI elements remain intact and any previously displayed tasks persist. | Pass | Yes |
| **Comments** | Confirmed that the site loads correctly and refreshes without issues. No errors in console. This meets Req 10. | | | |

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| Test 2 | **Confirm that existing tasks (if any) display in the task list.** | | | |
|  | **Test Objective:** Confirm that existing tasks (if any) display in the task list. | **Developer: Nima Memarzadeh**  **Date tested:** 2025/06/17 | **Peer tester: Truman Forey**  **Date tested:** <2025/06/25> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | With one or more tasks already created, open the app | All existing tasks appear as list items below the input form. | Pass | Yes |
| 2 | Scroll through the list if more than the viewport height | Scrolling works and no items are hidden or truncated. | Pass | Yes |
| **Comments** | Verified that the todo list renders with several pre-defined tasks when the page loads. The list does not have its own scrollbar — instead, the **entire page scrolls**, which allows full access to the task list. This satisfies Req 1. | | | |

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| Test 3 | **Add a new task and verify it appears and persists.** | | | |
|  | **Test Objective:** Ensure users can create items and those items persist on reload. | **Developer: Nima Memarzadeh**  **Date tested:** 2025/06/17 | **Peer tester: Truman Forey**  **Date tested:** <2025/06/21> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Enter “Buy groceries” in the input field and press Enter | New task “Buy groceries” appears at the top (or bottom) of the list. | Pass | Yes |
| 2 | Refresh the browser | “Buy groceries” remains in the list after reload. | Fail | No |
| **Comments** | Task creation works correctly, but the new task is not saved after a refresh — it disappears and only the static list returns. This fails the persistence expectation of Req 2. | | | |

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| Test 4 | **Attempt to add a blank task.** | | | |
|  | **Test Objective:** Verify that the form rejects empty submissions. | **Developer: Nima Memarzadeh**  **Date tested:** 2025/06/17 | **Peer tester: Truman Forey**  **Date tested:** <2025/06/21> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Leave the input field blank | The **“Add Task”** button is disabled and cannot be clicked | Pass | Pass |
| 2 | Try pressing **Enter** on the empty input | No task is added; nothing happens when pressing Enter | Pass | Pass |
| 3 | Type a valid task (e.g., “Walk dog”) | The **“Add Task”** button becomes enabled | Pass | Pass |
| **Comments** | Blank submissions are effectively blocked by disabling the button when the input is empty. The form also does not submit via Enter key — only via the button. This behavior complies fully with Req 6. | | | |

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| Test 5 | **Remove a task and confirm it no longer appears.** | | | |
|  | **Test Objective: E**nsure users can remove tasks and those deletions are persistent | **Developer: Nima Memarzadeh**  **Date tested:** 2025/06/17 | **Peer tester: Truman Forey**  **Date tested:** <2025/06/21> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Click “Delete” (or trash icon) on the task “Buy groceries” | Task is removed instantly from the UI. | Pass | Yes |
| 2 | Refresh the browser | The previously deleted task **reappears —** deletion does not persist | Fail | Fail |
| **Comments** | Task deletion works during the session, but it is not saved. After refreshing, the static todo list resets and deleted items return. This fails the persistence aspect of Req 4. | | | |