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| **Project:** Todo App |  |
| **Course:** CSD 380-A311 DevOps (2257-DD) |  |
| **Description:** Functional Test Plan for core todo list features |  |
| **Date:** 2025/06/19 |  |

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 | **Access via standard URL** | | | |
|  | **Test Objective:**  Verify the website can be accessed and loaded correctly. | **Developer: Yohannes Ayele**  **Date tested:** 2025/06/19 | **Peer tester: Rachel Theis**  **Date tested:** June 22 2025 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Open <https://buwebdev.github.io/todo/> | Homepage loads without errors | Yes | A screenshot of a computer  AI-generated content may be incorrect. |
| 2 | Refresh the browser window | Page reloads and UI appears correctly | yes | Pass  https://buwebdev.github.io/todo/A screenshot of a computer  AI-generated content may be incorrect. |
| 3 | Check browser console | No JavaScript errors present | yes | A screenshot of a computer  AI-generated content may be incorrect.Pass |
| 4 | Resize browser window | Layout adjusts responsively | yes | Pass  A computer screen shot of a task form  AI-generated content may be incorrect. |
| 5 | Inspect for elements | Input, Add button, and list container present | yes | A screenshot of a computer  AI-generated content may be incorrect.Pass |
| **Comments** | All developer steps passed successfully. The page loaded fast and was responsive in multiple viewport sizes. The absence of console errors indicates clean code execution. Peer tester confirm no visual or functional issues. Great job on initial setup! . // E= | | | |

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| Test 2 | **Add a new todo item** | | | |
|  | **Test Objective:** Verify users can add items and they appear in the list. | **Developer: Yohannes Ayele**  **Date tested:** 2025/06/19 | **Peer tester: Rachel Theis**  **Date tested:** June 22, 2025 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Enter “Buy groceries” in the input | “Buy groceries” appears in the task list immediately after clicking Add. | <yes/no> | Yes  A screenshot of a login  AI-generated content may be incorrect. |
| 2 | Click Add | Input field is cleared automatically. | <yes/no> | A screenshot of a computer  AI-generated content may be incorrect.Yes |
| 3 | Confirm item appears | “Walk dog” is successfully added and displayed below or above “Buy groceries” depending on sort order. | <yes/no> | yesA white background with black lines  AI-generated content may be incorrect. |
| 4 | Repeat with a different item (“Walk dog”) | Both tasks remain visible in the list. | <yes/no> | yesA white background with black text  AI-generated content may be incorrect.A screenshot of a login screen  AI-generated content may be incorrect. |
| 5 | Check input field clears after each addition | Input field clears after adding each item. | <yes/no> | yesA red line on a white background  AI-generated content may be incorrect. |
| **Comments** | Everything worked as intended. I recommend adding a “success” message when a task is correctly added instead of simply clearing the text out of the field. | | | |

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| Test 3 | **Mark an item as completed** | | | |
|  | **Test Objective: Confirm users can mark items done.** | **Developer: Yohannes Ayele**  **Date tested:** 2025/06/19 | **Peer tester: Rachel Theis**  **Date tested:** June 22, 2025 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Add test item | Added item appears in the task list. | <yes/no> | yesA screenshot of a computer  AI-generated content may be incorrect. |
| 2 | Click checkbox next to item | Clicking the checkbox marks the item with a strikethrough and/or grayed text to indicate completion. | <yes/no> | NoA screenshot of a computer  AI-generated content may be incorrect. |
| 3 | Verify it shows as completed (strikethrough, checked) | Checkbox appears checked. | <yes/no> | NoA screenshot of a login page  AI-generated content may be incorrect. |
| 4 | Uncheck and verify it returns to active state | Unchecking removes strikethrough and restores item to active appearance. | <yes/no> | No  n/a |
| 5 | Verify UI updates accordingly | Visual feedback updates immediately without errors. | <yes/no> | Yes  A screenshot of a login page  AI-generated content may be incorrect. |
| **Comments** | This program doesn’t use a checkbox/strikethrough system but instead uses a delete system. Tasks cannot be readded after deleted and disappear from the list entirely. It is recommended to implement a checkmark/strikethrough system instead so users can track progress/retain records of todos. | | | |

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| Test 4 | **Delete a todo item** | | | |
|  | **Test Objective:** Confirm deletion functionality works. | **Developer: Yohannes Ayele**  **Date tested:** 2025/06/19 | **Peer tester: Rachel Theis**  **Date tested: June 22, 2025** | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Add a test item | <Enter the expected results> | <yes/no> | Yes A screenshot of a computer  AI-generated content may be incorrect. |
| 2 | Click its delete icon/buttons | <Enter the expected results> | <yes/no> | Yes |
| 3 | Confirm item appears | Test item is removed from the list upon clicking delete. | <yes/no> | yesA screenshot of a computer  AI-generated content may be incorrect. |
| 4 | Refresh and ensure it’s still deleted | Page refresh confirms the item is permanently deleted. | <yes/no> | YesA screenshot of a computer  AI-generated content may be incorrect. |
| 5 | Confirm removal doesn’t affect other items | All other items remain unaffected and visible. | <yes/no> | YesA screenshot of a computer  AI-generated content may be incorrect. |
| **Comments** | These tests pass as outlined, but it’s important to note that the pre-written tasks repopulate after each refresh after each refresh. I recommend updating this page to be accurate to each user’s session, rather than be static and changed by refreshing. | | | |

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| Test 5 | **Data persistence after refresh** | | | |
|  | **Test Objective:** Ensure information is stored between sessions. | **Developer: Yohannes Ayele**  **Date tested:** 2025/06/19 | **Peer tester: Rachel Theis**  **Date tested:** June 22, 2025 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Add multiple items | <Enter the expected results> | <yes/no> | YesA screenshot of a computer  AI-generated content may be incorrect. |
| 2 | Refresh page | All added items remain after a page refresh. | <yes/no> | NoA screenshot of a computer  AI-generated content may be incorrect. |
| 3 | Confirm items persist | <Enter the expected results> | <yes/no> | No  A screenshot of a computer  AI-generated content may be incorrect. |
| 4 | Close and reopen browser or tab | Closing and reopening the browser retains the list. | <yes/no> | NoA screenshot of a computer  AI-generated content may be incorrect. |
| 5 | Confirm items still present | Data is consistently preserved using local storage or another persistence method. | <yes/no> | No  A screenshot of a computer  AI-generated content may be incorrect. |
| **Comments** | This test case was not successful. Changes to the list did not retain after refreshing the page or closing the window. I recommend making this a dynamic webpage that can retain changes on a device after refreshing or closing a window. Adding user accounts could also be used to retain changes. | | | |