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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:**  **Date tested:** | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Open <https://buwebdev.github.io/todo/> | Homepage loads without errors | yes | yes |
| 2 | Refresh the browser window | Page reloads and UI appears correctly | yes | yes |
| 3 | Check browser console | No JavaScript errors present | yes | yes |
| 4 | Resize browser window | Layout adjusts responsively | yes | yes |
| 5 | Inspect for elements | Input, Add button, and list container present | yes | yes |
| **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! . | | | |

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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:**  **Date tested:** <yyyy/mm/dd> | |
| **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/no> |
| 2 | Click Add | Input field is cleared automatically. | <yes/no> | <yes/no> |
| 3 | Confirm item appears | “Walk dog” is successfully added and displayed below or above “Buy groceries” depending on sort order. | <yes/no> | <yes/no> |
| 4 | Repeat with a different item (“Walk dog”) | Both tasks remain visible in the list. | <yes/no> | <yes/no> |
| 5 | Check input field clears after each addition | Input field clears after adding each item. | <yes/no> | <yes/no> |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |

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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:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Add test item | Added item appears in the task list. | <yes/no> | <yes/no> |
| 2 | Click checkbox next to item | Clicking the checkbox marks the item with a strikethrough and/or grayed text to indicate completion. | <yes/no> | <yes/no> |
| 3 | Verify it shows as completed (strikethrough, checked) | Checkbox appears checked. | <yes/no> | <yes/no> |
| 4 | Uncheck and verify it returns to active state | Unchecking removes strikethrough and restores item to active appearance. | <yes/no> | <yes/no> |
| 5 | Verify UI updates accordingly | Visual feedback updates immediately without errors. | <yes/no> | <yes/no> |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |

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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:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Add a test item | <Enter the expected results> | <yes/no> | <yes/no> |
| 2 | Click its delete icon/buttons | <Enter the expected results> | <yes/no> | <yes/no> |
| 3 | Confirm item appears | Test item is removed from the list upon clicking delete. | <yes/no> | <yes/no> |
| 4 | Refresh and ensure it’s still deleted | Page refresh confirms the item is permanently deleted. | <yes/no> | <yes/no> |
| 5 | Confirm removal doesn’t affect other items | All other items remain unaffected and visible. | <yes/no> | <yes/no> |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |

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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:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Add multiple items | <Enter the expected results> | <yes/no> | <yes/no> |
| 2 | Refresh page | All added items remain after a page refresh. | <yes/no> | <yes/no> |
| 3 | Confirm items persist | <Enter the expected results> | <yes/no> | <yes/no> |
| 4 | Close and reopen browser or tab | Closing and reopening the browser retains the list. | <yes/no> | <yes/no> |
| 5 | Confirm items still present | Data is consistently preserved using local storage or another persistence method. | <yes/no> | <yes/no> |
| **Comments** |  | | | |