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| **Project:** Todo Application Test Plan (Assignment 4.2) |  |
| **Course:** CSD380-0307 DevOps (2261-DD) |  |
| **Description:** This test plan verifies the core functional requirements of the Todo application, including creating, viewing, editing, and deleting tasks, form validation, and URL accessibility. |  |
| **Date:** 2025/09/03 |  |

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 Website** | | | |
|  | **Test Objective:** Verify users can see the list of existing todo tasks | **Developer:** Kypton Lantz  **Date tested:** 2025/09/03 | **Peer tester: Andy Stiles**  **Date tested:** <2025/09/21> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Navigate to https://buwebdev.github.io/todo/ in a web browser | Landing page loads without errors | Yes | Yes |
| 2 | Refresh the page | Page reloads with same content | Yes | Yes |
| 3 | Inspect browser console for errors | No critical console errors are present | Yes | Yes – No issues shown in console |
| **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 2 | **View Todo List** | | | |
|  | **Test Objective:** Verify users can access website through provided URL and landing page loads without errors | **Developer:** Kypton Lantz  **Date tested:** 2025/09/03 | **Peer tester: Andy Stiles**  **Date tested:** <2025/09/21> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Access landing page | Page displays existing todo tasks | <yes/no> | Yes |
| 2 | Verify list layout | Each task item is displayed clearly with its text visible | <yes/no> | Yes |
| 3 | Check that tasks persist after page refresh | Same tasks are displayed after refresh | <yes/no> | Yes |
| **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 | **Create New Todo Task** | | | |
|  | **Test Objective:** Verify users can successfully add a new todo task item and that blank submissions are not allowed | **Developer:** Kypton Lantz  **Date tested:** 2025/09/03 | **Peer tester: Andy Stiles**  **Date tested:** <2025/09/21> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Click “Add Task” Button | New task input form appears | <yes/no> | No – |
| 2 | Enter text and submit | New task is added to the list | <yes/no> | Yes |
| 3 | Refresh page | Task remains visible | <yes/no> | No |
| 4 | Try submitting with empty input | System prevents submission and displays validation message | <yes/no> | Yes |
| **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 | **Edit Existing Task** | | | |
|  | **Test Objective:** Verify users can update an existing todo task and that blank edits are not allowed | **Developer:** Kypton Lantz  **Date tested:** 2025/09/03 | **Peer tester:**  **Date tested:** <2025/09/21> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Select an existing task and click “Edit” | Edit form appears with current task text populated | <yes/no> | Yes |
| 2 | Change text and submit | Task updates in the list | <yes/no> | Yes |
| 3 | Refresh page | Updated text persists | <yes/no> | No |
| 4 | Attempt to save blank edit | Edit is rejected with validation message | <yes/no> | 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 | **Delete Task** | | | |
|  | **Test Objective:** Verify users can delete a task and it is permanently removed | **Developer:** Kypton Lantz  **Date tested:** 2025/09/03 | **Peer tester: Andy Stiles**  **Date tested:** <2025/09/21> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Select a task and click “Delete” | Task is removed from the list | <yes/no> | Yes |
| 2 | Refresh page | Task is still missing | <yes/no> | No |
| 3 | Check that other tasks are unaffected | Remaining tasks are intact | <yes/no> | Yes |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |