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| **Project**: Todo Application Test Plan |  |
| **Course:** CSD-340 Web Development |  |
| **Description** This document provides a structured approach to validating the core functionalities of the Todo web application. Five test cases ensure the application meets business requirements for usability, functionality, and data integrity. |  |
| **Date:** April 9, 2025 |  |

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 | **TC01** | | | |
|  | **Test Objective**: Verify that a to-do task item may be modified successfully | **Developer:**  **Date tested:** April 9, 2025 | **Peer tester:**  **Date tested** -- | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Open the Todo application at <https://buwebdev.github.io/todo/> | Application loads with default tasks | yes | -- |
| 2 | Locate task and click Edit button | Edit interface appears with task text in editable field | yes | -- |
| 3 | Modify task | Text field updates with new text | yes | -- |
| 4 | Click Save/Submit button | Modified task appears in list with updated text | yes | -- |
| 5 | Refresh the page | Modified task persists with updated text after refresh | 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 2 | **TC02** | | | |
|  | **Test Objective:** Users can mark tasks as completed. | **Developer:**  **Date tested:** April 9, 2025 | **Peer tester:**  **Date tested:** -- | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Open the Todo application at <https://buwebdev.github.io/todo/> | Application loads with default tasks | yes | -- |
| 2 | Find a way to complete a task | Task shows visual completion indicator | no | -- |
| 5 | Null | Null | -- | -- |
| **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 | **TC03** | | | |
|  | **Test Objective:** Make sure that the URL can be accessed without loading errors. | **Developer:**  **Date tested:** April 9, 2025 | **Peer tester:**  **Date tested:** -- | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Open the Todo application at <https://buwebdev.github.io/todo/> | Page begins loading within 2 seconds | yes | -- |
| 2 | Wait for page to fully load | Complete application interface appears within 5 seconds | yes | -- |
| 3 | Check browser console for errors | No JavaScript or loading errors appear | yes | -- |
| 4 | Test in multiple browsers | Application loads correctly in all supported browsers | 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 | **TC04** | | | |
|  | **Test Objective:** Ensure a task can be removed from the list. | **Developer:**  **Date tested:** April 9, 2025 | **Peer tester:**  **Date tested:** -- | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Open the Todo application at <https://buwebdev.github.io/todo/> | Default task list loads | yes | -- |
| 2 | Locate "Email quarterly update" task | Task is visible in the list | Yes | -- |
| 3 | Click Delete button next to the task | Task is immediately removed from view | yes | -- |
| 4 | Refresh the page | Deleted task does not reappear | 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 | **TC05** | | | |
|  | **Test Objective**: Check for data persistence after the refresh. | **Developer:**  **Date tested:** April 9, 2025 | **Peer tester:**  **Date tested:** -- | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Open the Todo application at <https://buwebdev.github.io/todo/> | Default task list loads | yes | -- |
| 2 | Add a new task "Prepare project demo" | Completion status updates visually | Yes | -- |
| 3 | Edit an existing task | Modified task appears with changes | Yes | -- |
| 4 | Refresh the browser | All changes persist exactly as before refresh | No | -- |
| 5 | Test in new browser session | All data persists across sessions | No | -- |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |