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| **Project:** <Enter a project name> |  |
| **Course:** <Enter the course number and name> |  |
| **Description:** <Enter a description> |  |
| **Date:** <Enter a date (yyyy/mm/dd)> |  |

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 | **Create a New Todo Task Item** | | | |
|  | **Test Objective:** Verifies task item is created and added to todo list | **Developer:**  **Date tested:** <yyyy/mm/dd> | **Peer tester:** Andres Melendez  **Date tested:** <2025/01/31> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Visit <https://buwebdev.github.io/todo/>. | Webpage should load on browser | <yes/no> | Yes |
| 2 | Type in new Todo task into “Task Form” entry box. | Text should appear in task form entry box | <yes/no> | Yes |
| 3 | Click “Add Task” button | “Add Task” button should be active and clickable | <yes/no> | Yes |
| 4 | Confirm new task is added to “Todo List” | New task should appear under all existing tasks | <yes/no> | Yes |
| 5 | Refresh browser and confirm added task still exists on “Todo List” | Webpage should reload and new task should still appear on list | <yes/no> | No |
| **Comments** | The test correctly verifies task creation, but the failure of the task persisting after a page refresh suggests a storage issue. | | | |

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| Test 2 | **View List of Todo Task Items** | | | |
|  | **Test Objective: Verify Todo Task items appear upon loading** | **Developer:**  **Date tested:** <yyyy/mm/dd> | **Peer tester:** Andres Melendez  **Date tested:** <2025/01/31> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Visit <https://buwebdev.github.io/todo/>. | Webpage should load on browser | <yes/no> | Yes |
| 2 | View “Todo List” feature | Todo List feature should appear on webpage | <yes/no> | Yes |
| 3 | Confirm Todo tasks are visible | Tasks should appear under in list form under “Todo List” | <yes/no> | Yes |
| **Comments** | This test effectively confirms that the to-do list is displayed on page load. However, additional steps could check for existing tasks' persistence between sessions. If tasks disappear after refresh, this could indicate an issue with how tasks are stored and retrieved. | | | |

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| Test 3 | **Delete a Todo Task Item** | | | |
|  | **Test Objective: Verify delete feature is functional** | **Developer:**  **Date tested:** <yyyy/mm/dd> | **Peer tester:** Andres Melendez  **Date tested:** <2025/01/31> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Visit <https://buwebdev.github.io/todo/>. | Webpage should load on browser | <yes/no> | Yes |
| 2 | Click “trash” button next to desired task | Trash button should be active and clickable | <yes/no> | Yes |
| 3 | Confirm correct task was removed from list | Corresponding task should be removed from “Todo List” | <yes/no> | Yes |
| 4 | Refresh webpage | Webpage should reload on browser | <yes/no> | Yes |
| 5 | Confirm removed task remained deleted | Removed task should remain deleted. | <yes/no> | No |
| **Comments** | The test successfully verifies that the delete function works. However, the failure to persist deletion after a refresh suggests that deleted tasks may not be properly removed from storage. | | | |

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| Test 4 | **Provide Users with a view for mobile devices** | | | |
|  | **Test Objective:** Verifies webpage conforms to mobile screen size | **Developer:**  **Date tested:** <yyyy/mm/dd> | **Peer tester:** Andres Melendez  **Date tested:** <2025/01/31> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Visit <https://buwebdev.github.io/todo/> on mobile device | Webpage should load on mobile browser | <yes/no> | Yes |
| 2 | Confirm “Task Form” appears on mobile screen | “Task Form” should appear on browser | <yes/no> | Yes |
| 3 | Confirm “Todo List” appears on mobile screen | “Todo List” should appear on browser | <yes/no> | Yes |
| 4 | Confirm no horizonal scroll is required to view any content | Horizontal scroll should not be required to view any features on mobile screen | <yes/no> | Yes |
| **Comments** | This test ensures proper mobile responsiveness, which is essential for user accessibility. The lack of horizontal scrolling is a great inclusion. For additional testing, you might verify different screen sizes, such as tablets or smaller phone screens, to ensure consistent UI behavior across various devices. | | | |

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| Test 5 | **Prevent Users From Submitting a Task Form Without Entering a Todo Item** | | | |
|  | **Test Objective:** Verifies that task form must have 4 or more characters entered to submit a task | **Developer:**  **Date tested:** <yyyy/mm/dd> | **Peer tester:** Andres Melendez  **Date tested:** <2025/01/31> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Visit <https://buwebdev.github.io/todo/> | Webpage should load on mobile browser | <yes/no> | Yes |
| 2 | Confirm “Add Task” button is disabled | “Add Task” button should appear gray and non-functional | <yes/no> | Yes |
| 3 | Type 1-3 characters in task form entry | Characters should appear in entry box | <yes/no> | Yes |
| 4 | Confirm “Add Task” button remains disabled | Add task button should remain gray and non-functional | <yes/no> | Yes |
| 5 | Type > 3 characters in task form entry | 4 or more characters should appear in entry box | <yes/no> | Yes |
| 6 | Confirm “Add Task” button becomes enabled | Add task button should appear blue and functional | <yes/no> | Yes |
| **Comments** | This test effectively prevents invalid submissions and ensures proper input validation. To enhance it further, consider testing edge cases such as input with only spaces, special characters, or excessive-length entries. | | | |