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| **Project:** Andres Melendez Test Plan |
| **Course:** CSD 380 |
| **Description:** A test plan based on the business requirements presented in the “Todo Business Requirements.” |
| **Date:** 28 January 2025 |

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| Test 1 | **Verify Website Access & Viewing Task List** | | | |
|  | **Test Objective:** Confirm the user can access the Todo application via its standard URL and see the existing list of tasks. | **Developer:**  **Date tested:** <2025/01/28> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Open a web browser (Chrome, Firefox, Safari). | The browser opens successfully (no errors). | Yes | <yes/no> |
| 2 | Navigate to <https://buwebdev.github.io/todo/>. | The Todo App homepage loads without errors (no 404 or JS errors). | Yes | <yes/no> |
| 3 | Verify that a list of todo items (even if empty) is visible on the page. | The page shows either an empty list (if no tasks exist) or a list of existing tasks. | Yes | <yes/no> |
| **Comments** | This test fails if the site does not load or a “404” error appears. | | | |

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| Test 2 | **Create a New Todo Task** | | | |
|  | **Test Objective:** Ensure a user can create a new todo item and disallow an empty submission. | **Developer:**  **Date tested:** <2025/01/28> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Locate the “Task Name” (or similar) input field and **leave it blank**, then click “Add Task.” | An error message or warning is displayed; the user is prevented from creating a blank task. | Yes | <yes/no> |
| 2 | Enter a valid name in the “Task Name” field (e.g., “Buy groceries”) and optionally a description in a “Description” field. | The fields accept user input without errors (no validation failures). | Yes | <yes/no> |
| 3 | Click on “Add Task.” | The new task is added to the list (e.g., “Buy groceries”) and immediately appears on the page with the given name. | Yes | <yes/no> |
| **Comments** | If the user can submit an empty task, requirement #6 is not met (test fails). | | | |

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| Test 3 | **Edit an Existing Todo Task** | | | |
|  | **Test Objective:** Verify that a user can edit an existing task’s name/description and that blank edits are disallowed. | **Developer:**  **Date tested:** <2025/01/28> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Identify a task you wish to edit. Click on an “Edit” button or link next to that task. | The Edit Form (page or pop-up) appears, showing the current name/description of the task. | Yes | <yes/no> |
| 2 | Clear the Task Name field **entirely** and attempt to save. | An error message or validation warning appears (cannot save with an empty name). | No | <yes/no> |
| 3 | Provide a new valid name (e.g., change “Buy groceries” to “Buy groceries & snacks”) and click “Save.” | The Todo list updates with the new name/description, and the edited task is displayed correctly. | Yes | <yes/no> |
| **Comments** | If the user is allowed to save an empty task name, requirement #7 fails. | | | |

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| Test 4 | **Delete a Todo Task** | | | |
|  | **Test Objective:** Confirm a user can remove a single todo item from the list. | **Developer:**  **Date tested:** <2025/01/28> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Identify a task in the list you wish to delete. | The user can see or highlight the chosen task (e.g., “Buy groceries”). | Yes | <yes/no> |
| 2 | |  | | --- | | Click the “Delete” or “Trash” icon/button associated with that task. |  |  | | --- | |  | | If a confirmation prompt appears, it should function correctly. Once confirmed, the task is removed. | Yes | <yes/no> |
| 3 | Verify the list no longer shows the deleted item. | The list refreshes automatically, showing that the removed item has disappeared (no errors). | Yes | <yes/no> |
| **Comments** | The test fails if the task remains in the list or an error occurs. | | | |

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| Test 5 | **Check Mobile Responsiveness** | | | |
|  | **Test Objective:** Validate that the Todo app appropriately adapts to a mobile view and still allows editing tasks on mobile. | **Developer:**  **Date tested:** <2025/01/28> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Open the Todo application (<https://buwebdev.github.io/todo/>) on a mobile device or emulator. | The layout automatically adjusts for a small screen (responsive view). The Add/Edit buttons are visible and usable on mobile. | Yes | <yes/no> |
| 2 | |  | | --- | | Attempt to edit an existing task from the mobile interface. |  |  | | --- | |  | | The Edit Form appears mobile-friendly; users can change the task name/description and save without layout or rendering errors. | Yes | <yes/no> |
| 3 | Confirm no layout or functional errors occur while interacting with the site on mobile (scrolling, tapping). | Scrolling works as expected, and no UI elements are inaccessible or incorrectly displayed. | Yes | <yes/no> |
| **Comments** | If the site fails to adjust to smaller screens or the edit button doesn’t work on mobile, these requirements aren’t met. | | | |