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| **Project:** Todo Application | **Developer:** Tazmin Somerville |
| **Course:** CSD 380 - DevOps |  |
| **Description:** Test Plan for verifying core functionalities of the Todo Application |  |
| **Date:** 2025/04/09 |  |

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| Test 1 | **Verify Landing Page Loads (Requirement #10 + Prototype Check)** | | | |
|  | **Test Objective:** Ensure that users can access the Todo website through its standard URL, and that the landing page loads correctly without errors. | **Developer:** Tazmin Somerville  **Date tested:** 2025/04/09 | **Peer tester: Kevin Ramirez**  **Date tested: 4/13/2025** | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Visit <https://buwebdev.github.io/todo/> | Landing page loads without errors | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 2 | Refresh the browser window | The page reloads correctly without errors | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 3 | Inspect responsiveness on desktop browser by resizing window | Layout adjusts without breaking | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 4 | Open the landing page on a mobile browser | Layout is responsive and readable | <yes/no> - Yes | A screenshot of a phone  Description automatically generated  Pass |
| 5 | Use keyboard navigation (tab, enter) on input and buttons | Elements are accessible via keyboard | <yes/no> - Yes | A screenshot of a phone  Description automatically generated  Pass |
| **Comments** | The landing page loaded quickly without any visible errors or delays. Refreshing the browser also reloaded the page smoothly, maintaining consistent performance. There were no display issues observed across the tested views. | | | |

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| Test 2 | **Create a New Todo Task Item (Requirement #2)** | | | |
|  | **Test Objective:** Verify that users can add a new todo item via the input field on the landing page. | **Developer:** Tazmin Somerville  **Date tested:** 2025/04/09 | **Peer tester: Kevin Ramirez**  **Date tested: 4/13/2025** | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Visit <https://buwebdev.github.io/todo/> | Landing page loads with visible input field | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 2 | |  | | --- | |  |  |  | | --- | | Click into the input field and type “New Task” | | The input is accepted without errors | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 3 | Click the **Add Task** button | The new task is added to the list below | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 4 | Confirm the new task item displays with an edit icon and delete icon | Item is added correctly with full functionality | <yes/no> - Yes | A screenshot of a phone  Description automatically generated  Pass |
| 5 | Refresh the browser window | Task is cleared after refresh; persistence not required by this test case | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| **Comments** | The task was added successfully to the list using the input field and **Add Task** button. The interface was responsive and intuitive. However, refreshing the browser causes the task to disappear, indicating that persistence (e.g., local storage or backend saving) is not implemented in this version of the app. | | | |

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| Test 3 | **Delete a Todo Task Item (Requirement #4)** | | | |
|  | **Test Objective:** Verify that users can delete an existing task from the todo list. | **Developer:** Tazmin Somerville  **Date tested:** 2025/04/09 | **Peer tester: Kevin Ramirez**  **Date tested: 4/13/2025** | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Visit <https://buwebdev.github.io/todo/> | Page loads with visible input and existing tasks | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 2 | Add a new task named “Delete Test Task” | Task is added to the list below | <yes/no> - Yes | Pass |
| 3 | Locate the “Delete” (trash can) icon next to the new task | Delete icons are visible and clickable | <yes/no> - Yes | Pass |
| 4 | Click the “Delete” icon | Task is immediately removed from the list | <yes/no> - Yes | Pass |
| 5 | Confirm the task does not reappear on refresh | Task is gone permanently after refresh | <yes/no> - Yes | Pass |
| **Comments** | Deleting tasks works as expected. The delete icon was responsive and removed the task immediately upon interaction. After refreshing the page, the task remained deleted, confirming it does not persist unexpectedly. This aligns with the expected behavior for a temporary session-based list. | | | |

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| Test 4 | **Edit a Todo Task Item (Requirement #3)** | | | |
|  | **Test Objective:** Verify that users can edit an existing task on the list using the edit icon and update the task text. | **Developer:** Tazmin Somerville  **Date tested:** 2025/04/09 | **Peer tester: Kevin Ramirez**  **Date tested: 4/13/2025** | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Visit <https://buwebdev.github.io/todo/> | Landing page loads with visible tasks | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 2 | Add a task labeled “Edit Test Task” | Task is added to the list | <yes/no> - Yes | A white background with black text  Description automatically generated  Pass |
| 3 | Click the “Edit” (pencil) icon next to the new task | Task text becomes editable | <yes/no> - Yes | A screenshot of a calendar  Description automatically generated  Pass |
| 4 | Change the task text to 'This is the Edit' and click the Save button | Task is updated in the list with new text | <yes/no> - Yes | A screenshot of a task form  Description automatically generated  Pass |
| 5 | Refresh the page | Edited task disappears (no persistence) | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| **Comments** | The editing feature functioned smoothly. When the pencil icon is clicked, a pop-up allows editing, and the update was applied immediately on saving with button. However, like with task creation, the edit did not persist after a page refresh, which is consistent with the app’s current design. The interface was clear and intuitive throughout the process. | | | |

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| Test 5 | **Invalid URL Handling (Requirement #5: Custom 404 Page)** | | | |
|  | **Test Objective:** Verify that users are routed to a basic 404-style message when attempting to access a non-existent URL. | **Developer:** Tazmin Somerville  **Date tested:** 2025/04/09 | **Peer tester: Kevin Ramirez**  **Date tested: 4/13/2025** | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Navigate to an invalid URL (e.g., <https://buwebdev.github.io/todo/invalid> | User is redirected to /not-found route, which displays a 404-style message | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 2 | Observe the message on the /not-found page | Text "not-found works!" is displayed | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 3 | Confirm the page lacks advanced styling or navigation | The page is plain, with no back or home link | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Pass |
| 4 | Use the browser back button | User returns to the homepage (/todo) successfully | <yes/no> - Yes | A screenshot of a computer  Description automatically generated  Fail – Back button is disabled for the URL provided |
| **Comments** | The app redirects to a dedicated /not-found route when an invalid URL is entered. While the message “not-found works!” confirms the route is functioning, the page is extremely basic and lacks styling or navigation aids. There's no visible back or home button, but browser back functionality works as expected. While minimal, the behavior satisfies the requirement of a working custom 404 route in an SPA context. | | | |