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| **Project:** Module 4, Assignment 4.2 |  |
| **Course:** CSD 380 |  |
| **Description:** Test Plan document for To-Do Application |  |
| **Date:** 06/19/2025 |  |

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| Test 1 | **Invalid URL Exceptions** | | | |
|  | **Test Objective:** verify the app prevents invalid URL | **Developer: Joseph Ayo**  **Date tested:** 2025/06/19 | **Peer tester: Joseph Ayo**  **Date tested:** 2025/06/19 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Access the App | Page loads as expected | Yes | Yes |
| 2 | Type in an invalid URL address | User should be redirected to 404 page | Yes | Yes |
| 3 | Repeat step 2 on different pages | Should always be redirected to 404 page | Yes | Yes |
| 4 | Attempt to Submit a To-Do Task with symbols | Task should go through normally | Yes | Yes |
| **Comments** | This test case checks how the application handles malformed or incorrect URLs. This helps keep the user informed on why errors are occurring. | | | |

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| Test 2 | **Create Item** | | | |
|  | **Test Objective: ensure the app can properly create To-Do tasks** | **Developer: Joseph Ayo**  **Date tested:** 2025/06/19 | **Peer tester: Joseph Ayo**  **Date tested:** 2025/06/19 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Access Page | Page should load normally | Yes | Yes |
| 2 | Enter a Task in the ‘Task’ Field | Should enable the ‘Add Task’ Button | Yes | Yes |
| 3 | Click ‘Add Task’ | Should add Task to bottom of list | Yes | Yes |
| 4 | New Task Should Appear | Task should display normally | Yes | Yes |
| **Comments** | This test case checks the core functionality of adding a task, which is the foundation of the To-Do application. The tests were made to ensure that the task creation flow works properly. | | | |
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| Test 3 | **Update Item** | | | |
|  | **Test Objective: Test to see if a To-Do task can successfully be edited** | **Developer: Joseph Ayo**  **Date tested:** 2025/06/19 | **Peer tester: Joseph Ayo**  **Date tested:** 2025/06/19 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Access Page | Page should load normally | Yes | Yes |
| 2 | Create To-Do Task | Should add a new task at the bottom of the list | Yes | Yes |
| 3 | Click the ‘Edit’ icon next to the task | A ‘Edit Form’ Window should pop up | Yes | Yes |
| 4 | Rename the task and click ‘Save’ | Should successfully rename the task to entered text | Yes | Yes |
| **Comments** | The update test case successfully tests both UI interaction and back-end behavior. This is helpful for testing purposes. | | | |

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| Test 4 | **Delete Item** | | | |
|  | **Test Objective: Test the delete function on a To-Do task** | **Developer: Joseph Ayo**  **Date tested:** 2022/08/10 | **Peer tester: Joseph Ayo**  **Date tested:** 2025/06/19 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Access Page | Page should load normally | Yes | Yes |
| 2 | Create To-Do Task | Should add a new task at the bottom of the list | Yes | Yes |
| 3 | Click the ‘Trash’ Icon next to your task | Your task should disapear | Yes | Yes |
| **Comments** | This test validates that a user can reliably delete a task. This helps verify that user actions are working properly | | | |  |  | Yes |

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| Test 5 | **Mobile View Compatibility** | | | |
|  | **Test Objective: Test if the website properly scales with browser size on mobile** | **Developer:** **Joseph Ayo**  **Date tested:** 2025/06/19 | **Peer tester: Joseph Ayo**  **Date tested:** 2025/06/19 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Access Page | Page loads normally | Yes | Yes |
| 2 | Minimize Page | Page dynamically minimizes as intended | Yes | Yes |
| 3 | Type in search engine | Text should be evenly spaced | Yes | Yes |
| 4 | Resize page | Page should scale correctly | Yes | Yes |
| **Comments** | This test case demonstrates attention to responsive design. This is absolutely essential to ensure that users on mobile can properly use the application, just like PC owners can. | | | |