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| Kevin Meza |
| **Project** Module 4: Writing Test Plans and Functional Testing |
| **Course:** CSD380 DevOps |
| **Description:** Testing For Todo Application |
| **Date:** 06/18/24 |

Test Plan:

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| Test 1 | 1: Visit/Load <https://buwebdev.github.io/todo/> | | | |
|  | **Test Objective:** Verifies proper loading of page | **Developer: Kevin Meza**  **Date tested:** 06/19/2024 | **Peer tester: Alexis Yang**  **Date tested:** 06/23/2024 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Visit <https://buwebdev.github.io/todo/> | Everything loads as expected and no errors. | yes | yes  Todo Application |
| 2 | Refresh Browser | Everything loads as expected and no errors. | yes | yes  Todo Application |
| 3 | Test on different Browser | Everything loads as expected and no errors. | yes | yes |
| **Comments** | Developer: No issues reported, and everything worked smoothly. This is in regards to the page loading  Peer tester: The test to view the list of todo task items was successful. All todo items were displayed as expected, and the application handled the display of multiple items without any performance issues. This ensures users can reliably view their tasks, which is essential for the application's usability. | | | |

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| Test 2 | 2: Create a new todo task item | | | |
|  | **Test Objective: Ensure a new todo task item is created without errors** | **Developer: Kevin Meza**  **Date tested:** 06/19/2024 | **Peer tester: Alexis Yang**  **Date tested:** 06/23/2024 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Visit <https://buwebdev.github.io/todo/> | Everything loads as expected and no errors. | yes | yes  Todo Application |
| 2 | Enter new task item into form field | User able to place cursor in field and type | yes | yes  A screenshot of a computer  Description automatically generated |
| 3 | Enter todo item and click “Add Task” button | Ensure “Add Task” button highlights to prompt user to click as well as be “clickable” | yes | yes  A screenshot of a computer  Description automatically generated |
| 4 | Verify item is added to list | User sees the item added to list with edit and trash buttons available – The top form refreshes to empty state. | yes | yes |
| 5 | Refresh Browser | The new added todo list item remains after browser refresh | no | no  Todo Application |
| **Comments** | Developer: The action of adding an item is quick and easy. The item doesn’t stay when the page is reloaded.  Peer Tester: Creating a new todo task item works almost perfectly. The form submission process is seamless, and the new task is correctly added to the list. This feature is crucial for users to keep track of their tasks, and its smooth operation greatly enhances user satisfaction. However, the todo list does not keep the new item upon refreshing. | | | |

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| Test 3 | 3: Edit a todo task item | | | |
|  | **Test Objective:** Edit a todo task item without errors | **Developer: Kevin Meza**  **Date tested:** 06/19/2024 | **Peer tester: Alexis Yang**  **Date tested:** 06/23/2024 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Click on edit “pencil” icon | Edit Form pops up with an editable form and save button | yes | yes  A screenshot of a computer  Description automatically generated |
| 2 | Delete task item and enter new info | Form info is deleted, and new info is entered | yes | yes  A screenshot of a computer  Description automatically generated |
| 3 | Save new todo list info | Save button is functional and updated item is viewable | yes | yes  A screenshot of a computer  Description automatically generated |
| 4 | Refresh Browser | Updated todo list item remains updated | no | no  Todo Application |
| **Comments** | Developer: The action is performed as expected but with issue. The issue is that the item reverts to previous state when the browser is refreshed.  Peer Tester: The edit functionality for todo task items performed well during testing. The process of editing a task is straightforward, and the updates are applied accurately. This ensures users can keep their task details up-to-date, which is important for effective task management. However, the todo list does not keep the new item upon refreshing. | | | |

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| Test 4 | 4: Delete a todo task item | | | |
|  | **Test Objective: Delete a todo task item without error. Item remains deleted.** | **Developer: Kevin Meza**  **Date tested:** 06/19/2024 | **Peer tester: Alexis Yang**  **Date tested:** 06/23/2024 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Ensure the Delete icon is visible | The Delete icon is visible | yes | yes  Todo Application |
| 2 | Click on the delete icon of the desired item | Button is Clickable and item is deleted | yes | yes |
| 3 | Ensure page updates | Page is updated without deleted item | yes | yes |
| 4 | Refresh Browser | Deleted todo list item remains deleted | no | no  Todo Application |
| **Comments** | Developer: Once again, upon browser refresh, the list reverts back to original state.  Peer Tester: Deleting a todo task item was relatively successful. The task was removed from the list instantly upon clicking the delete button, and no errors occurred during the process. This functionality is essential for maintaining an organized and up-to-date list of tasks. However, the todo list does not keep the new update upon refreshing. | | | |

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| Test 5 | 5: Prevent users from submitting the edit form without entering a todo item | | | |
|  | **Test Objective:** Prevent users from submitting the edit form without entering a todo item | **Developer: Kevin Meza**  **Date tested:** 06/19/2024 | **Peer tester: Alexis Yang**  **Date tested:** 06/23/2024 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Click edit and delete the current item | Edit form/window is blank | yes | yes  A screenshot of a computer  Description automatically generated |
| 2 | Click “Save” | “error” message displays saying “Please complete all required fields” | no | no |
| 3 | Ensure the form looks “normal” | Form is unchanged if no info is saved in the edit form | no | no |
| **Comments** | Developer: There needs to be an error message and a cancel button. The todo list shows a blank item if a blank field is saved.  Peer Tester: Users can properly edit and delete items in the list, however there are no error handling events that prevents invalid input (no entry). | | | |