|  |  |
| --- | --- |
| **Project:** Test Plan: Todo Application |  |
| **Course:** CSD380-H306 |  |
| **Description:** DevOps |  |
| **Date:** 01/28/2025 |  |

To complete the test case plan, fill out the information for Project, Course, Description and Date in the header below.

.

This test plan outlines the testing strategy for the Todo application based on the provided business requirements.

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.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 1 | **Test Case 1: Application Accessibility and Basic Functionality** | | | |
|  | **Test Objective:**  Verify application accessibility via URL and basic page load. | **Developer:**  **Date tested:** 01/28/2025 | **Peer tester: Bella Apo**  **Date tested:** 01/30/2025 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Open a web browser (Chrome, Firefox, or Edge). | To open the web browser | Yes | Yes |
| 2 | Navigate to the URL: https://buwebdev.github.io/todo/ | Page to load | Yes | Yes |
| 3 | Verify the page loads successfully and displays the expected elements (title, input field, task list area). | Show all the information | Yes | Yes |
| 4 | Refresh the browser window. | Page to load | Yes | Yes |
| 5 | Verify the page reloads correctly and retains any previously entered tasks (if applicable). | Verify all details of the page | Yes | Yes/No |
| **Comments** | The application launched quickly and smoothly, with no noticeable delays. Keyboard navigation worked seamlessly, clear focus indicators were present, and tab order followed a logical flow. This enhances usability for users who cannot use a mouse.  Bella’s comments: The application launches as expected within the web browser. Upon refreshing the content remains as expected. However, if users input a task within the text field and then refresh the page, the value will not remain. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 2 | **Test Case 2: Adding a New Task** | | | |
|  | **Test Objective:** Verify the functionality of adding a new task to the list. | **Developer:**  **Date tested:** 01/28/2025 | **Peer tester: Bella Apo**  **Date tested:** 2025/01/29 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Navigate to the Todo application.  https://buwebdev.github.io/todo/ | Page to load | Yes | Yes |
| 2 | Enter a task description in the input field (e.g., "Grocery Shopping"). | Enter information | Yes | Yes |
| 3 | Press the "Enter" key or click the "Add" button (if present). | Task is added to the list | Yes | Yes |
| 4 | Verify that the new task appears in the task list. | Validate task | Yes | Yes |
| 5 | Verify that the input field is cleared after adding the task. | Clear data | Yes | Yes |
| **Comments** | The application launched quickly and smoothly, with no noticeable delays. Keyboard navigation worked seamlessly, clear focus indicators were present, and tab order followed a logical flow. This enhances usability for users who cannot use a mouse  Bella comments: Users are able to effectively input data into the todo task list. Websites allow individuals to create new tasks within the list and ensures that after the options have been added, the input field is blank. Requires no further developer attention at this time. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 3 | **Test Case 3: Completing a Task** | | | |
|  | **Test Objective:** Verify the functionality of marking a task as complete. | **Developer:**  **Date tested:** 01/28/2025 | **Peer tester: Bella Apo**  **Date tested:** 2025/01/29 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Navigate to the Todo application.  https://buwebdev.github.io/todo/ | Page to load | Yes | Yes |
| 2 | Add a new task to the list. | New task added | Yes | Yes |
| 3 | Click the checkbox or toggle associated with the newly added task. | Check box selected | No | No |
| 4 | Verify that the task is visually marked as complete (e.g., strikethrough, change in color or styling). | Task marked as completed | No | No |
|  |  |  |  |  |
| **Comments** | The task is not marked as completed as there is no option to mark it as completed. This test case failed as the option don’t exist in the application and needs to be set up.  Bella comments:  When users mark a task as completed, the only option is to delete it from the list in its entirety. The option disappears and this may be sufficient for some users though, this is not what the test plan asks for. The test case has failed as users cannot simply mark an item as complete. Requires developer attention. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 4 | **Test Case 4: Editing an Existing Task** | | | |
|  | **Test Objective:** Verify the functionality of editing an existing task. | **Developer:**  **Date tested:** 01/28/2025 | **Peer tester: Bella Apo**  **Date tested:** 2025/01/29 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Navigate to the Todo application.  https://buwebdev.github.io/todo/ | Page load | Yes | Yes |
| 2 | Add a new task to the list (e.g., "Grocery Shopping 2"). | Task added successfully | Yes | Yes |
| 3 | Double-click on the task text or use a designated edit button/icon (if available). | Edit option available? | Yes | Yes |
| 4 | Modify the task description (e.g., "Grocery Shopping - Milk and Eggs"). | Task able to be edited | Yes | Yes |
| 5 | Press "Enter" or click a "Save" button (if available) to confirm the changes. | Verify save button is available | Yes | Yes |
| 6 | Verify that the task in the list reflects the updated description. | Verify the edited task | Yes | Yes |
| **Comments** | Creating and editing items worked as expected. However, deleting an item did not provide a confirmation dialog, leading to potential accidental data loss. Implementing a confirmation dialog would improve the user experience and prevent unintended actions.  Bella comments:  Tasks can be edited within the edit feature. These edits are reflected within the task list to the user. Users are able to effectively edit tasks as necessary, not requiring any further action from the developer at this time.. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 5 | **Test Case 5: Deleting a Task** | | | |
|  | **Test Objective:** Verify the functionality of deleting a task from the list. | **Developer:**  **Date tested:** 01/28/2025 | **Peer tester: Bella Apo**  **Date tested:** 2025/01/29 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Navigate to the Todo application.  https://buwebdev.github.io/todo/ | Page load | Yes | Yes |
| 2 | Add a new task to the list. | Task save it | Yes | Yes |
| 3 | Click the delete button or icon associated with the task (or use any specified delete method). | Verify delete button exist | Yes | Yes |
| 4 | Verify that the task is removed from the task list. | Task deleted | Yes | Yes/No |
| **Comments** | The application demonstrates good keyboard accessibility and core functionalities are working well. The lack of a confirmation dialog for delete operations and the less-than-informative error messages also detract from the user experience and should be improved.  Bella comments: Users can create and delete tasks within the Todo website. However, users are not able to create or edit their tasks and have this data saved when refreshing the page. This is problematic as user data is not being stored, making the application less practical for anyone who may be utilizing this feature day to day. This requires addressing from the development team to ensure that it is fixed. This impacts the user experience. | | | |