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| **Project:** **Test Plan** | Erik Hernandez |
| **Course:** DevOps 380-310 | Professor Sue Sampson |
| **Description:** Functional Test Plan for Todo Application |  |
| **Date:** 06/23/2024 |  |

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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.

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| Test 1 | **Access Website through Standard URL** | | | |
|  | **Test Objective:** Verifies users can access the Todo application through the given URL. | **Developer: Erik Hernandez**  **Date tested:** 06/23/2024 | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail + Screenshot** |
| 1 | Open a browser | Browser opens without errors. | Yes |  |
| 2 | Visit https://buwebdev.github.io/todo/ | The Todo application's landing page loads without errors. | Yes |  |
| 3 | Refresh the browser window | The page reloads correctly without errors. | Yes |  |
| 4 | Click for any error messages | No error messages are displayed. | Yes |  |
| 5 | Verify the URL in the address bar | The URL is https://buwebdev.github.io/todo/ | Yes |  |
| **Comments** | This test checks if people can open the Todo application by using the correct web address. It is important that the page opens without any issues and shows the right web address so users can start using the app easily. | | | |

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| Test 2 | **View a List of Todo Task Items** | | | |
|  | **Test Objective: Verifies users can view a list of todo task items.** | **Developer: Erik Hernandez**  **Date tested: 06/23/2024** | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail + Screenshot** |
| 1 | Open a web browser. | Browser opens without errors. | Yes |  |
| 2 | Visit https://buwebdev.github.io/todo/ | The Todo application's landing page loads without errors. | Yes |  |
| 3 | Observe the list of todo task items. | A list of todo task items is displayed. | Yes |  |
| 4 | Check if the list is scrollable. | The list is scrollable if there are more items than can fit on one page. | Yes |  |
| 5 | Verify the items' content. | Each todo item displays relevant content correctly. | Yes |  |
| **Comments** | This test checks if the Todo list is shown correctly when users open the app. It's important that users can see their tasks right away and that the list works properly, like being scrollable if there are many tasks. | | | |

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| Test 3 | **Create a New Todo Task Item** | | | |
|  | **Test Objective: Verifies users can create a new todo task item.** | **Developer: Erik Hernandez**  **Date tested:** 06/23/2024 | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail + Screenshot** |
| 1 | Open a web browser | Browser opens without errors. | Yes |  |
| 2 | Visit https://buwebdev.github.io/todo/ | The Todo application's landing page loads without errors. | Yes |  |
| 3 | Click on the "Add New Task" button. | The new task item form appears. | Yes |  |
| 4 | Enter a new task item description. | The description is entered correctly. | Yes |  |
| 5 | Click the "Submit" button. | The new task item is added to the list and displayed. | Yes |  |
| **Comments** | This test checks if users can add new tasks to their list. It's important that this works smoothly because adding tasks is a main feature of the app. The new tasks should show up on the list after being added. | | | |

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| Test 4 | **Edit a Todo Task Item** | | | |
|  | **Test Objective:**  Verifies users can edit an existing todo task item. | **Developer: Erik Hernandez**  **Date tested:** 06/23/2024 | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail + Screenshot** |
| 1 | Open a web browser. | Browser opens without errors. | Yes |  |
| 2 | Visit https://buwebdev.github.io/todo/ | The Todo application's landing page loads without errors. | Yes |  |
| 3 | Click on an existing task item to edit. | The edit task form appears with the current task description. | Yes |  |
| 4 | Modify the task item description. | The new description is entered correctly. | Yes |  |
| 5 | Click the "Save" button. | The task item's description is updated and displayed correctly. | Yes |  |
| **Comments** | This test checks if users can change existing tasks. It's important that users can easily update their tasks and see the changes on their list. This makes sure that the app is working well and keeping the information correct. | | | |

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| Test 5 | **Delete a Todo Task Item** | | | |
|  | **Test Objective:**  Verifies users can delete an existing todo task item | **Developer: Erik Hernandez**  **Date tested:** 06/23/2024 | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail + Screenshot** |
| 1 | Open a web browser. | Browser opens without errors. | Yes |  |
| 2 | Visit https://buwebdev.github.io/todo/ | The Todo application's landing page loads without errors. | Yes |  |
| 3 | Click on the delete icon/button next to an existing task item. | A confirmation prompt appears. | Yes |  |
| 4 | Confirm the deletion. | The task item is removed from the list. | Yes |  |
| 5 | Verify the task is no longer displayed. | The task item is no longer visible in the list. | Yes |  |
| **Comments** | This test checks if users can remove tasks from their list. It's important that users can delete tasks they don't need anymore and that the app shows the updated list without the deleted tasks. This helps keep the task list clean and accurate. | | | |