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| **Project:** Todo Application | Brandon Hackett |
| **Course:** CSD 380 | Module 4.2 |
| **Description:** Functional test cases for the Todo application based on the specified business requirements. | 06/20/2024 |
| **Date:** 2024/06/21 |  |

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

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**Test Plan Summary**

1. **Access the Website through Standard URL**
2. **View a List of Todo Task Items**
3. **Create a New Todo Task Item**
4. **Edit a Todo Task Item**
5. **Delete a Todo Task Item**

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 the Website through Standard URL** | | | |
|  | **Test Objective:** Verify that users can access the Todo application through the provided URL. | **Developer: Brandon Hackett**  **Date tested:** 2024/06/21 | **Peer tester:**  **Date tested:** | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Navigate to https://buwebdev.github.io/todo/ | The page loads without errors. | yes | <yes/no> |
| 2 | Refresh the browser window. | The page reloads correctly. | yes | <yes/no> |
| 3 | Check the browser console for any errors. | No errors should be present in the console. | yes | <yes/no> |
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| **Comments** | This test ensures that the application's URL is correctly set up and accessible, which is crucial for user access. A successful test here indicates that the server is properly configured and the application is available online. | | | |

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| Test 2 | **View a List of Todo Task Items** | | | |
|  | **Test Objective:** Verify that users can view the list of todo task items. | **Developer: Brandon Hackett**  **Date tested:** 2024/06/21 | **Peer tester:**  **Date tested:** | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Navigate to https://buwebdev.github.io/todo/ | The page loads without errors. | yes | <yes/no> |
| 2 | Check the list of existing todo items. | he list displays all the existing todo items correctly. | yes | <yes/no> |
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| **Comments** | Viewing the task list is a fundamental functionality of the application, and this test verifies its core usability. Ensuring that all existing tasks are displayed correctly is essential for user trust and application reliability. | | | |

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| Test 3 | **Create a New Todo Task Item** | | | |
|  | **Test Objective:** Verify that users can create a new todo task item. | **Developer: Brandon Hackett**  **Date tested:** 2024/06/21 | **Peer tester:**  **Date tested:** 2024/06/21 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Verify that users can create a new todo task item. | The page loads without errors. | yes | <yes/no> |
| 2 | Enter a task name in the "New Task" input field. | The task name is correctly entered. | <yes/no> | <yes/no> |
| 3 | Click on the "Add Task" button. | The new task is added to the task list. | <yes/no> | <yes/no> |
| 4 | Verify the task appears in the task list. | The new task is displayed in the task list. | <yes/no> | <yes/no> |
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| **Comments** | This test confirms that the user can add new tasks, which is a primary feature of the Todo application. Ensuring that new tasks are saved and displayed correctly helps maintain data integrity and user confidence. | | | |

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| Test 4 | **Edit a Todo Task Item** | | | |
|  | **Test Objective:** Verify that users can edit an existing todo task item. | **Developer: Brandon Hackett**  **Date tested:** 2024/06/21 | **Peer tester:**  **Date tested:** 2024/06/21 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Verify that users can create a new todo task item. | The page loads without errors. | yes | <yes/no> |
| 2 | Add a new task item if none exists. | The task is added to the list. | yes | <yes/no> |
| 3 | Click on the "Edit" button next to the task item. | The task item enters edit mode. | yes | <yes/no> |
| 4 | Update the task name and click "Save." | The task name is updated in the task list. | yes | <yes/no> |
| 5 | Verify the updated task appears in the task list. | The edited task is displayed with the new name. | yes | <yes/no> |
| **Comments** | Editing tasks is a key feature, and this test ensures that users can modify existing tasks as needed. Properly saving and displaying edited tasks ensures that users can keep their task lists up-to-date. | | | |

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| Test 5 | **Delete a Todo Task Item** | | | |
|  | **Test Objective:** Verify that users can delete a todo task item. | **Developer: Brandon Hackett**  **Date tested:** 2024/06/21 | **Peer tester:**  **Date tested:** 2024/06/21 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Verify that users can create a new todo task item. | The page loads without errors. | yes | <yes/no> |
| 2 | Add a new task item if none exists. | The task is added to the list. | yes | <yes/no> |
| 3 | Click on the "Delete" button next to the task item. | The task is removed from the task list. | yes | <yes/no> |
| 4 | Verify the task no longer appears in the task list. | The deleted task is not displayed in the task list. | yes | <yes/no> |
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| **Comments** | This test ensures that users can remove tasks they no longer need, maintaining an organized task list. Testing this functionality helps ensure that the application correctly updates the task list and user interface. | | | |