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| **Project:** Hlee Xiong |  |
| **Course:** CSD 380 |  |
| **Description:** Module 4.2 Assignment - Test Plan |  |
| **Date:** 2024/11/14 |  |

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

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1. **Accessing the Website**
   * **Steps**:
     + 1. Navigate to <https://buwebdev.github.io/todo/>.
       2. Confirm the page loads without errors.
       3. Refresh the browser.
       4. Confirm the page reloads correctly. With Todo tasks.

**Expected Result**: The website should load and reload correctly without errors.

1. **Create a Todo Task**
   * **Steps**:
     + 1. Click the "Add Task" button.
       2. Enter a valid task name into the form field.
       3. Submit the form.
       4. Verify the task is added to the todo list.

**Expected Result**: New tasks are successfully added and displayed in the list.

1. **Delete a Todo Task**
   * **Steps**:
     + 1. Select an existing task.
       2. Click the "Delete" button.
       3. Confirm the deletion in the popup dialog.
       4. Verify the task is removed from the list.

**Expected Result**: The selected task should be removed from the todo list.

1. **Edit a Todo Task**
   * **Steps**:
     + 1. Select an existing task.
       2. Click the "Edit" button.
       3. Modify the task details and save the changes.
       4. Confirm the task updates correctly in the list.

**Expected Result**: The task should be updated with the new details.

1. **Handling Invalid URLs**

* **Steps**:
  + - 1. Navigate to an invalid URL within the application <https://buwebdev.github.io/todo/invalid>
      2. Confirm the custom 404 error page is displayed.

**Expected Result**: The custom 404 error page should be shown

1. **Form Validation**
   * **Steps**:
     + 1. Attempt to submit a task form without entering a todo item.
       2. Attempt to submit an edit form without entering a todo item.

**Expected Result**: An error message should prevent form submission and inform the user of the required fields.

1. **Device Compatibility**
   * **Steps**:
     + 1. Open the Todo application on a mobile device and verify the layout and usability.
       2. Open the application on a tablet device and confirm the layout and usability.

**Expected Result**: The application should display a responsive design appropriate for each device.

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| Step | Action | Expected Results | Developer Pass/Fail | Tester Pass/Fail |
| 1 | Visit <https://buwebdev.github.io/todo/>. | Website loads without error   |  | | --- | |  | | yes/no | yes |
| 2 | Create a todo task | New tasks are added and displayed on list | yes/no | yes |
| 3 | Delete a todo task | The selected task is removed from the list. | yes/no | yes |
| 4 | Edit a todo task | Task is updated with the new details. | yes/no | yes |
| 5 | Handling invalid URLs | An error page is displayed for the user. | yes/no | yes |