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| **Project:** Module 4.2 Assignment – Test Plan |  |
| **Course:** CSD-380 |  |
| **Description:** Deena Linehan’s Assignment |  |
| **Date:** 2025/01/30 |  |

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

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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 | **View the To-Do List Task Items** | | | |
|  | **Test Objective:** Verify that users can view a list of existing to-do tasks. | **Developer:** Deena  **Date tested:** 2025/01/20 | **Peer tester:** Shane  **Date tested:** 2025/01/21 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Navigate to the home screen | The page loads | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 2 | Observe the task list | A list of tasks is displayed | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 3 | Verify that each task contains relevant details | Each task displays a title and the status | Yes | No – There is no status  A screenshot of a computer  Description automatically generated |
| 4 | Check that page loads correctly across multiple pages | Task loads correctly | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 5 | Refresh the page | Task list is still there | Yes | Yes  A screenshot of a computer  Description automatically generated |
| **Comments** | Make sure that the task list loads quickly and accurately. If the tasks do not display properly, check your database connectivity and front-end rendering. | | | |

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| Test 2 | **Create a New To-Do List** | | | |
|  | **Test Objective:** Verify that users are able to successfully create a new to-do list. | **Developer:** Deena  **Date tested:** 2025/01/21 | **Peer tester:** Shane  **Date tested:** 2025/01/22 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Navigate to the “Task Form” | Task form is visible and accessible | Yes | Yes A screenshot of a computer  Description automatically generated |
| 2 | Type in a task title | Task appears as you type it | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 3 | Press submit button | Verify that button works | Yes | Yes  A screenshot of a phone  Description automatically generated |
| 4 | Look for new task on to-do list | Verify the task you typed in is there | Yes | Yes  A screenshot of a phone  Description automatically generated |
| 5 | Refresh Page | New task remains on To-Do List | No | No  A screenshot of a task form  Description automatically generated |
| **Comments** | Verify that the tasks are stored in the database correctly. | | | |
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| Test 3 | **Prevent Users from Submitting an Empty To-Do Task Form** | | | |
|  | **Test Objective:** Ensure that the application prevents submissions of an empty task | **Developer:** Deena  **Date tested:** 2025/01/22 | **Peer tester:** Shane  **Date tested:** 2025/01/23 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Navigate to the Task Form | The form is visible | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 2 | Leave the field empty | No text is in the field | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 3 | Try to click submit | Button does not allow you to click | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 4 | Refresh the page to try again | Button still does not allow you to click | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 5 | Enter a valid task and submit again | Task gets added | Yes | Yes  A screenshot of a task form  Description automatically generated |
| **Comments** | Form validation should prevent a submission without input. | | | |

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| Test 4 | **Provide a Custom 404 Error Page for Invalid URLs** | | | |
|  | **Test Objective:** Verify that users see a custom 404 page when accessing an invalid URL | **Developer:** Deena  **Date tested:** 2025/01/23 | **Peer tester:** Shane  **Date tested:** 2025/01/24 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Open browser and enter in an invalid URL | Page loads with error message | Yes | Yes  A screenshot of a computer error page  Description automatically generated |
| 2 | Check if the page has any branding or navigation | Custom 404 page has app branding and home button | No | No  A screenshot of a computer error page  Description automatically generated |
| 3 | Attempt to return to home using the Home button | Navigation works correctly | No | No  A screenshot of a computer  Description automatically generated |
| 4 | Verify that the error message is clear | Message explains the error and suggests your next step | Yes | Yes – Next step is to create the page if it does not exist. See above screenshot.  A screenshot of a computer error page  Description automatically generated |
| 5 | Try another invalid URL | Consistent 404 page displays | Yes | Yes  A screenshot of a computer  Description automatically generated |
| **Comments** | A well designed 404 page is meant to improve the user experience. Make sure that it includes navigation options to return to the main site. | | | |

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| Test 5 | **Allow Users to Access the Website Through the Required URL** | | | |
|  | **Test Objective:** Ensure that the users can visit the site using the URL: https;//buwebdev.github.io/todo/ | **Developer:** Deena  **Date tested:** 2025/01/24 | **Peer tester:** Shane  **Date tested:** 2025/01/25 | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Open a browser | Browser opens successfully | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 2 | Enter in URL address as provided | Application loads without any issues | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 3 | Verify Page elements load properly | Task form, task list, and buttons all display properly | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 4 | Click on the edit button to ensure that it works | Button allows you to make edits | Yes | Yes  A screenshot of a computer  Description automatically generated |
| 5 | Try accessing the site on your phone | Page adjusts properly to your phone size. | Yes | Yes  A screenshot of a computer  Description automatically generated |
| **Comments** | Make sure that the application is fully accessible at the required URL. Test for responsiveness of the page on multiple devices. | | | |