Mikaila Steinbrugge

Assignment 4.2

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**Test 1: Access Website via URL**

**Test Objective:** Verify that users can access the website using a standard URL.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Action** | **Expected Results** | **Developer Pass/Fail** | **Tester Pass/Fail** | **Screenshot** |
| 1 | Open a browser (Chrome, Firefox, Safari) | The browser launches | Yes/No | Yes/No |  |
| 2 | Enter the provided URL in the address bar | The page loads successfully | Yes/No | Yes/No |  |
| 3 | Verify that the homepage displays correctly | The correct interface appears | Yes/No | Yes/No |  |

**Comments:** Ensure the page loads consistently across browsers. If loading fails, check DNS and hosting issues.

**Test 2: Add a New Task**

**Test Objective:** Verify that users can add tasks to the list.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Step | Action | Expected Results | Developer Pass/Fail | Tester Pass/Fail | Screenshot |
| 1 | Locate the task input field | The input field is visible | Yes/No | Yes/No |  |
| 2 | Enter a task name (e.g., "Complete Test Plan") | The input field accepts the text | Yes/No | Yes/No |  |
| 3 | Click the "Add Task" button | The new task appears in the list | Yes/No | Yes/No |  |

**Comments:** Test with different input types (special characters, long text, empty input).

**Test 3: Edit an Existing Task**

**Test Objective:** Verify that users can edit an existing task.

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| --- | --- | --- | --- | --- | --- |
| Step | Action | Expected Results | Developer Pass/Fail | Tester Pass/Fail | Screenshot |
| 1 | Locate an existing task | The task is visible | Yes/No | Yes/No |  |
| 2 | Click the edit icon (pencil) | The task field becomes editable | Yes/No | Yes/No |  |
| 3 | Modify the task text and save changes | The new text appears in the task list | Yes/No | Yes/No |  |

**Comments:** Test with blank edits, special characters, and text truncation issues.

**Test 4: Delete a Task**

**Test Objective:** Verify that users can delete tasks.

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| --- | --- | --- | --- | --- | --- |
| Step | Action | Expected Results | Developer Pass/Fail | Tester Pass/Fail | Screenshot |
| 1 | Locate an existing task | The task is visible | Yes/No | Yes/No |  |
| 2 | Click the delete icon (trash) | The task is removed from the list | Yes/No | Yes/No |  |

**Comments:** Ensure deleted tasks do not reappear upon refresh.

**Test 5: Mark a Task as Complete**

**Test Objective:** Verify that users can mark tasks as completed.

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| --- | --- | --- | --- | --- | --- |
| Step | Action | Expected Results | Developer Pass/Fail | Tester Pass/Fail | Screenshot |
| 1 | Locate an existing task in the list | The task is visible | Yes/No | Yes/No |  |
| 2 | Click the checkbox next to the task | The task is marked as completed | Yes/No | Yes/No |  |
| 3 | Verify that the task is visually updated (e.g., strikethrough, different color) | The task appears visually different from incomplete tasks | Yes/No | Yes/No |  |

**Comments:** Ensure completed tasks remain marked after a page refresh.

**Test 6: Handle Invalid URL (404 Error Page)**

**Test Objective:** Verify that users receive a custom 404 error page when accessing an invalid URL.

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| --- | --- | --- | --- | --- | --- |
| Step | Action | Expected Results | Developer Pass/Fail | Tester Pass/Fail | Screenshot |
| 1 | Enter an invalid URL (e.g., /invalidpage) | A custom 404 error page is displayed | Yes/No | Yes/No |  |

**Comments:** Ensure the 404 page provides useful navigation options.

**Test 7: Form Validation (Prevent Empty Submissions)**

**Test Objective:** Verify that users cannot submit a blank task.

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| --- | --- | --- | --- | --- | --- |
| Step | Action | Expected Results | Developer Pass/Fail | Tester Pass/Fail | Screenshot |
| 1 | Leave the task input field empty and click "Add Task" | An error message appears | Yes/No | Yes/No |  |

**Comments:** Ensure validation messages are clear and user-friendly.

**Test 8: Responsive Design**

**Test Objective:** Verify the application’s responsiveness on different devices.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Step | Action | Expected Results | Developer Pass/Fail | Tester Pass/Fail | Screenshot |
| 1 | Open the app on a desktop browser | The layout is appropriate | Yes/No | Yes/No |  |
| 2 | Open the app on a mobile browser | The layout adjusts properly | Yes/No | Yes/No |  |
| 3 | Open the app on a tablet browser | The layout adjusts properly | Yes/No | Yes/No |  |

**Comments:** Test different screen sizes and resolutions.