

TEST CASE EXAMPLES

Todo Web Application Project

CSD380-DevOps

Functional Test Plan for the Todo Web Application based on defined business requirements.

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02/03/2026

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Test 1:

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| Test 1 | Edit a Todo Task | | | |
| | Test Objective: Verifies users can edit an existing todo task item (Requirement #3) | Developer: Angela V Date tested: 02/03/2026 | Peer tester: Date tested: <yyyy/mm/dd> | |
| Step | Action Navigate to https://buwebdev.github.io/todo/ | Expected results: Todo Application will be able to load successfully with no errors | Developer pass/fail Yes | Tester pass/fail + Screenshot Yes |
| 1 | Create a new task to test | Task appears in the todo list | Yes | Yes |
| 2 | Click the “Edit” button next to the task | Edit from displays current task text | Yes | Yes |
| 3 | Modify the task text and select a Save/Update option | Task updates with a new text | Yes | Yes |
| 4 | Refresh the page/browser | Updates task and be able to remain saved and visible | Yes | Yes |
| Comments | The system allowed modification of the task and saved the changes correctly. After refreshing the page, the updated task remained visible, confirming the requirement was met successfully. | | | |

Test: 2

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| Test 2 | Custom 404 Error Page | | | |
| | Test Objective: Verifies the system provides users with a custom 404 error page for invalid URLs (Requirement #5) | | Developer: Angela V Date tested: 02/03/2026 | Peer tester: Date tested: <yyyy/mm/dd> |
| Step | Action Enter invalid URL: https://buwebdev.github.io/todo/invalidpage | Expected results: Custom 404 error page displays | Developer pass/fail Yes | Tester pass/fail + Screenshot Yes |
| 1 | Review the error message shown on the page | Message will state that the page is not found | Yes | Yes |
| 2 | Verify the page styling | 404 page will match the sites design and format | Yes | Yes |
| 3 | Click on the back/reverse button on the top left hand on the browser | Return to the main todo page | Yes | Yes |
| 4 | Refresh the invalid URL | Custom 404-page displays again | Yes | Yes |
| Comments | The application correctly displayed a custom 404 page when an invalid URL was entered. The page design remained consistent with the application styling. Navigation back to the main page worked properly, confirming the requirement is satisfied. | | | |

Test 3:

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| Test 3 | <h3>Prevent Task Submission</h3> | | | |
| | Test Objective: Verifies users are prevented from submitting a task form without entering a todo item (Requirement #6) | Developer: Angela V Date tested: 02/03/2026 | Peer tester: Date tested: <yyyy/mm/dd> | |
| Step | Action Navigate to https://buwebdev.github.io/todo/ | Expected results: Todo application loads successfully | Developer pass/fail Yes | Tester pass/fail + Screenshot Yes |
| 1 | Leave the task field blank | Keep blank on the fields of input | Yes | Yes |
| 2 | Click the “Add” button | Task is not added onto the list | Yes | Yes |
| 3 | Observe the behavior of the system | Validate message or alert will show | Yes | Yes |
| 4 | Confirm task list is as expected | No empty task is displayed | Yes | Yes |
| Comments | The system successfully prevented submission of a blank task. No empty entries were added to the list. The validation behavior clearly informed the user that input is required before submission. | | | |

Test 4:

| Tablet Device View | | | | |
|---------------------------|--|--|--|---|
| | | Test Objective: Verifies the application provides users with a view optimized for tablet devices (Requirement #9) | Developer: Angela V Date tested: 02/03/2026 | Peer tester: Date tested: <yyyy/mm/dd> |
| Step | Action | Expected results: | Developer pass/fail | Tester pass/fail + Screenshot |
| 1 | Open Website Browser | Page loads successfully | Yes | Yes |
| 2 | Resize browser to tablet width (~768px) | Layout adjusts automatically | Yes | Yes |
| 3 | Review task list alignment | Content fits tablet screen without overlap | Yes | Yes |
| 4 | Test add/edit/delete features | All features function correctly | Yes | Yes |
| 5 | Rotate simulated orientation | Layout adjusts properly to orientation change | Yes | Yes |
| Comments | The application adjusted correctly to tablet screen dimensions. The layout remained clean and readable, and all core features continued to function properly. This confirms compliance with the tablet view requirement. | | | |