

Test Plan for EvilTester's Simple To-Do List Application

Objective

The objective of this test plan is to ensure the functional correctness, usability, and reliability of EvilTester's Simple To-Do List Application. The testing aims to validate core features (task creation, editing, completion, and deletion), verify the user interface for intuitive design and responsiveness, and identify boundary conditions that may cause errors, ensuring a robust user experience.

Scope

1. Functional testing of task creation, editing, completion, and deletion workflows.
2. UI testing for element visibility, accessibility.(e.g., input fields, buttons, hyperlinks).
3. Boundary testing for input limits (e.g., empty tasks, long task names, special characters).
4. Manual testing to identify usability and functional issues.
5. Testing on Chrome browser (version 138.0) at 1920x1080 resolution on Windows 11.

Test Cases#	Function	Test Case	Test Setup	Test Data	Expected Result	Actual Result	Pass/Fail	Comments
FT-001	Functional	Verify Task creation	1 -open todo list website 2 -Press Input Bar 3 -Enter Task Name 4 -Press Enter	test1	Test1 task is created	Test1 task is created	Pass	
FT-002		Verify Task Edit	1 -Double click on Task name 2 -change name of task	Test2	Task name changed from test1 to test2		Pass	
FT-003		Verify Task persistence	1 -Create task 2 -Refresh page	Test1	Test1 task still shown		Pass	
FT-004		Verify Task Deletion	1 -Press "x" button beside 2 -Press xk		Task deleted		Pass	
FT-005		Verify lists redirect to home page	1 -Press lists hyperlink		Page redirect to home page		Pass	
FT-006		Verify addition of sub tasks	1 -create new task 2 -Press use hyperlink 3 -Press Input Bar 4 -Enter Task Name 6 -Press Enter	sub-test1	sub-test1 subtask was created		Pass	
FT-007		Verify Mark as Completed check box	1 - create new task 2 -Press use hyperlink 3 -Press Input Bar 4 -Enter Task Name 5 -Press Enter 6 -Mark Check box beside sub-task	test1 sub-test1	Sub-test1 subtask is shown dashed		Pass	
FT-008		Verify Mark All as Completed check box	1 - create new task 2 -Press use hyperlink 3 -Press Input Bar 4 -Enter multiple Task Names 5 -Press Enter 6 -Mark all as complete check box	test1 sub-test1 sub-test2	all sub tasks are shown dashed		Pass	
FT-009		Verify All hyperlink in sub tasks page	1 - create new task 2 -Press use hyperlink 3 -Press Input Bar 4 -Enter multiple Task Names 5 -Press Enter 6 -Mark a check box beside one sub-task 7 -Press All hyperlink	test1 sub-test1 sub-test2	All sub tasks are shown completed tasks are shown dashed and Active tasks are shown normally		Pass	
FT-010		Verify Active hyperlink in sub tasks page	1 - create new task 2 -Press use hyperlink 3 -Press Input Bar 4 -Enter multiple Task Names 5 -Press Enter 6 -Mark a check box beside one sub-task 7 -Press Active hyperlink	test1 sub-test1 sub-test2	only Active task is shown		Pass	
FT-011		Verify completed hyperlink in sub tasks page	1 - create new task 2 -Press use hyperlink 3 -Press Input Bar 4 -Enter multiple Task Names 5 -Press Enter 6 -Mark a check box beside one sub-task 7 -Press All hyperlink	test1 sub-test1 sub-test2	Only completed task is shown dashed		Pass	
FT-012		Verify Sub Task Edit	1 - create new task 2 -Press use hyperlink 3 -Press Input Bar 4 -Enter sub-Task Names 5 -Press Enter 6 -Double Click on sub-task name 7 -Press Enter	Test1 sub-task1 task1-sub	Task name changed from test1 to test2		Pass	
UT-001	UI Testing	Verify input field visibility and usability	1 -Open the application 2 -Locate the task input field 3 -Enter text and check if it's displayed clearly		Input field is visible, accepts text, and text is readable.		Pass	
UT-002		Verify Add task button availability	1 -Open the application 2 -Locate the task input field 3 -Enter text 4 -Press enter button for task addition	test1	The "Add Task" action should be a clearly visible button with hover feedback and should add the task when clicked.	Pressing Enter or clicking away from the input field created the task but it's not intuitive or prominent.	Fail	Add task button should be added for more Ease of usage instead of requiring to either press enter or press anywhere on page to add task. See BUG-001
UT-003		Verify task list alignment, order, and Layout	1 -Add Multiple Tasks 2 -Observe Task List Layout	test1 test2 test3	Tasks are well aligned and ordered correctly	Tasks are not Ordered incorrectly and in some cases are not aligned	Fail	1 -Tasks are created in a random order which can prove hard to track in cases of large list of tasks. See BUG-002 2 -when adding random input between HTML tags <> rendering Unexpected results like (dashing all tasks, empty task name, Messing Task alignment, etc). See BUG-003
UT-004		Verify HomePage redirection visibility and usability	1 -Open the application 2 -Locate lists hyperlink 3 -Press hyperlink and check for usability and visibility		Hyperlink is visible, intuitive, and navigates correctly.	Hyperlink is hard to notice, is unintuitive	Fail	Hyperlink needs Better UI To Ease Visibility. See BUG-004
UT-005		Verify changing Task name visibility and usability	1 -Locate task 2 -Double click to change name		Function is visible, intuitive, and navigates correctly.	Function is hard to notice, is unintuitive	Fail	better UI button or a way for better visibility is needed. See BUG-005
UT-006		Verify Deletion button visibility and interaction	1 -Locate a task 2 -Press delete "x" button beside that task		Button is visible, responds to click, task deleted.	Button is visible, responds to click, task deleted.	Pass	
UT-007		Verify Editing Task visibility and usability	1 -Locate a task 2 -Press use hyperlink beside that task		Hyperlink is visible, intuitive, and navigates correctly.	Hyperlink is hard to notice, is unintuitive	Fail	Hyperlink needs Better UI To Ease Visibility. See BUG-006
UT-008		Verify UI responsiveness on window resize	1 -Resize the browser window to a smaller size 2 -Add a task and check the input field, button, and task list.		UI adapts to resize, elements accessible.	UI adapts to resize, elements accessible.	Pass	
UT-009		Verify error message display for invalid input	1 -Open the application 2 -Locate the task input field 3 -Enter any html code in text field 4 -Press enter button for task addition	<> <h1> hello </h1>	Error message ("Task name Cannot contain these characters") is displayed clearly. Or input doesn't go through addition at all	Task name unexpected behavior	Fail	See BUG-003
UT-010		Verify Long task name Layout handling	1 -Open the application 2 -Locate the task input field 3 -Enter long word in text field, longer than list box 4 -Press enter button for task addition and check, list adaptation to long task name	aaaaaaaaaaaaaaaaaaaa a	List Box Layout should be change to fit name	task name gets out of list box	Fail	task name gets out of box and start pinching left dropping delete button slightly below its designated position and horizontal scrollbar is shown. See BUG-007
BT-001	Boundary	Verify empty task input handling	1 -Open the application. 2 -Leave the input field empty. 3 -Press Enter		Task is not added	Task is not added	Pass	
BT-002		Verify maximum task length handling	1 -Open the application. 2 -Input a text of 265 character in input field 3 -Press Enter	qwefjxhknqfwhaf	Task is added	Task is added	Pass	
BT-003		Verify special character handling	1 -Open the application. 2 -Enter a task with special characters (e.g., "I@#%/'&"). 3 -Press Enter	qwa@!\$dq, #int, test2&	Task is added	Task is added	Pass	
BT-004		Verify HTML injection failures	1 -Open the application. 2 -Enter a task with html tags. 3 -Press Enter	<1 > <h1> hello </h1> <1 > Bold Task	HTML input is displayed as plain text	HTML is rendered giving incorrect and unexpected behaviors	Fail	Potential security issues.See BUG-003
BT-005		Verify empty sub-task input handling	1 -Open the application. 2 -Locate task and press use 3 -Leave the sub-task input field empty. 4 -Press Enter		Task is not added	Task is not added	Pass	
BT-006		Verify maximum sub-task length handling	1 -Open the application. 2 -Locate task and press use 3 -Input a text of 265 character in input field 4 -Press Enter	qwefjxhknqfwhaf	Task is added	Task is added	Pass	
BT-007		Verify special character handling for sub-tasks	1 -Open the application. 2 -Locate task and press use 3 -Enter a task with special characters (e.g., "I@#%/'&"). 4 -Press Enter	qwa@!\$dq, #int, test2&	Task is added	Task is added	Pass	
BT-008		Verify HTML injection failures for sub-tasks	1 -Open the application. 2 -Locate task and press use 3 -Enter a task with html tags. 4 -Press Enter	<1 > <h1> hello </h1> <1 > Bold Task	HTML input is displayed as plain text	HTML input is displayed as plain text	Pass	

Field	Bug ID	Title	Description	Steps to Reproduce	Expected Result	Actual Result	Environment	Severity	Priority	Related Test cases
Details	BUG-001	"Add Task" action uses keyboard entry instead of an intuitive button	The "Add Task" action is triggered by Pressing Enter on user keyboard or by clicking away from input field which is less intuitive than a button. Users expect a prominent button for adding tasks, consistent with standard web app design.	1- Open the application 2- Locate the task input field 3- Enter text 4- Press enter button for task addition	The "Add Task" action should be a clearly visible button with hover feedback and should add the task when clicked.	Pressing Enter or clicking away from the input field created the task but it's not not intuitive or prominent.	Chrome 138.0, Windows 11, 1920x1080 resolution.	Medium	Medium	UT-002
	BUG-002	Newly added Tasks are ordered in random placement	Tasks are created in a random order which can prove hard to track in cases of large list of tasks.	1- Add Multiple Tasks 2 - Observe Task List Layout	Tasks are well aligned and ordered correctly	Tasks are not Ordered incorrectly and in some cases are not aligned	Chrome 138.0, Windows 11, 1920x1080 resolution.	Medium	Medium	UT-003
	BUG-003	HTML injection vulnerability	Potential security issue when adding random input between HTML tags <> rendering Unexpected results like (dashing all tasks, empty task name, Messing Task alignment, etc).	1. Open the application. 2. Locate task and press use 3. Enter a task with html tags. 4 - Press Enter	HTML input is displayed as plain text. Or Error Message prompt	HTML is rendered giving incorrect and unexpected behaviors	Chrome 138.0, Windows 11, 1920x1080 resolution.	Critical	High	UT-003, UT-009, BT-004
	BUG-004	Hyperlink for Redirection to Homepage is less intuitive	The "lists" hyperlink to navigate to theHomepage blends into text and is not intuitive. Users expect a button for Redirecting to homepage.	1- Open the application 2- Locate lists hyperlink 3- Press hyperlink and check for usability and visibility	"lists" hyperlink blends into text, not intuitive.	Hyperlink styled as plain text, barely distinguishable. Navigates to Homepage but unintuitive.	Chrome 138.0, Windows 11, 1920x1080 resolution.	Medium	Medium	UT-004
	BUG-005	Changing Task name require double clicking task name instead of an intuitive button	The "Change Task name" action is triggered by Double clicking on task name which is less intuitive than a button. Users expect a prominent button for changing names, consistent with standard web app design.	1 - Locate task 2 - Double click to change name	Function is visible, intuitive, and navigates correctly.	Function is hard to notice, is unintuitive	Chrome 138.0, Windows 11, 1920x1080 resolution.	Medium	Medium	UT-005
	BUG-006	Hyperlink for Editing tasks is less intuitive	The "Edit" hyperlink to navigate to the edit task page blends into text and is not intuitive. Users expect a button for editing tasks.	1 - Locate a task 2 - Press use hyperlink beside that task	"Edit" should be a visible button with hover feedback.	Hyperlink styled as plain text, barely distinguishable. Navigates to task editing page but unintuitive.	Chrome 138.0, Windows 11, 1920x1080 resolution.	Medium	Medium	UT-006
	BUG-007	Long task name causes text overflow and layout misalignment in task list	Entering a 256-character task name causes the text to overflow beyond the task list's boundaries, misaligning buttons, which affects readability and usability.	1- Open the application 2- Locate the task input field 3- Enter long word in text field, longer than list box 4- Press enter button for task addition and check, list adaptation to long task name	List Box Layout should be change to fit name	task name gets out of list box	Chrome 138.0, Windows 11, 1920x1080 resolution.	Medium	Medium	UT-010