

Testing Summary: QA Intern Assessment Task

Overview

The goal of this assessment was to perform **manual quality assurance (QA) testing** on the **TodoMVC** website, which provides various To-Do list applications implemented in different JavaScript frameworks. The testing covered functional, usability, compatibility, and edge case testing.

The tests focused on validating the core functionalities of the To-Do List app, including **adding tasks**, **editing tasks**, **deleting tasks**, **marking tasks as complete**, and **task persistence** after page reloads.

Test Execution

I executed **10 test cases** that included both standard functionalities and edge cases. These test cases were designed to evaluate:

- **Functional Testing:** Validating that all key features (add, edit, delete, and mark tasks) worked as expected.
- **Usability Testing:** Assessing the ease of use of the interface, including task creation and interaction with task status (complete/incomplete).
- **Compatibility Testing:** Ensuring the app works correctly on different browsers and screen sizes (desktop and mobile).
- **Edge Case Testing:** Verifying the app's behavior when adding tasks with special characters, and checking if tasks persist after a page reload.

Findings

During the testing process, the following **defects and issues** were identified:

1. **Bug 1: Unable to Add Task** – In some instances, clicking the “Add Task” button didn’t add tasks to the list. This issue was observed in **Google Chrome 119.0** on **Windows 10** and was marked as **high severity**.
2. **Bug 2: Task Persistence Issue** – Tasks added to the list did not persist after refreshing the page. This defect was identified in **Firefox 119.0** on **macOS 10.15**, marked as **medium severity**.
3. **Bug 3: UI Layout Issue on Mobile** – The website’s interface was not responsive on mobile devices, leading to **UI elements overlapping**. This was observed when testing on a mobile browser, where elements like the task list and buttons were not adjusting properly for smaller screen sizes.

Challenges Faced

- **Task Persistence:** The issue of tasks not persisting after a page reload was unexpected, as the app should ideally save the task list in the browser’s local storage or session storage.
- **Mobile Responsiveness:** The mobile view was not fully optimized, causing layout problems on certain screen sizes. This was particularly challenging when evaluating the app’s usability across multiple devices.

- **Inconsistent Behavior on Different Browsers:** Some defects (like the add task issue) were browser-specific, requiring repeated testing on different platforms to confirm.

Conclusion

In conclusion, the **TodoMVC** website is generally functional, but several issues were identified, particularly around task persistence and mobile responsiveness. These issues would need to be addressed to ensure the app provides a consistent and user-friendly experience across devices and browsers.

The testing process also highlighted the importance of **cross-browser testing** and ensuring **UI compatibility** on both mobile and desktop devices. Despite the issues, the app successfully supported most of the key features, such as adding, editing, and marking tasks as completed.

Test Cases:-

Test Case ID	Test Description	Preconditions	Steps to Execute	Expected Result	Actual Result
TC-001	Add a new task	Browser open, app loaded	1. Click on the input field. 2. Enter task name. 3. Press "Enter".	Task should appear in the task list.	Task added successfully. The task is visible in the list.
TC-002	Edit an existing task	Task exists in the list	1. Click on a task's edit button. 2. Modify task text. 3. Press "Enter".	Task text should be updated.	Task text updated successfully. After editing, the new task name is displayed.
TC-003	Delete a task	Task exists in the list	1. Click the delete button on a task.	Task is removed from the list.	Task deleted successfully. The task disappears from the list.
TC-004	Add a task with special characters	App loaded	1. Click on the input field. 2. Enter task with special characters. 3. Press "Enter".	Task is added correctly with special characters.	Task with special characters (!@#\$%^&*()) added successfully and displayed correctly.
TC-005	Mark a task as complete	Task exists in the list	1. Click the checkbox next to the task.	Task is marked as completed.	Task marked as complete. The task now has a strike-through and is moved to the "Completed" section.
TC-006	Mark a task as incomplete	Task is marked complete	1. Click the checkbox again next to the task.	Task should be marked as incomplete.	Task marked as incomplete. The task is moved back to

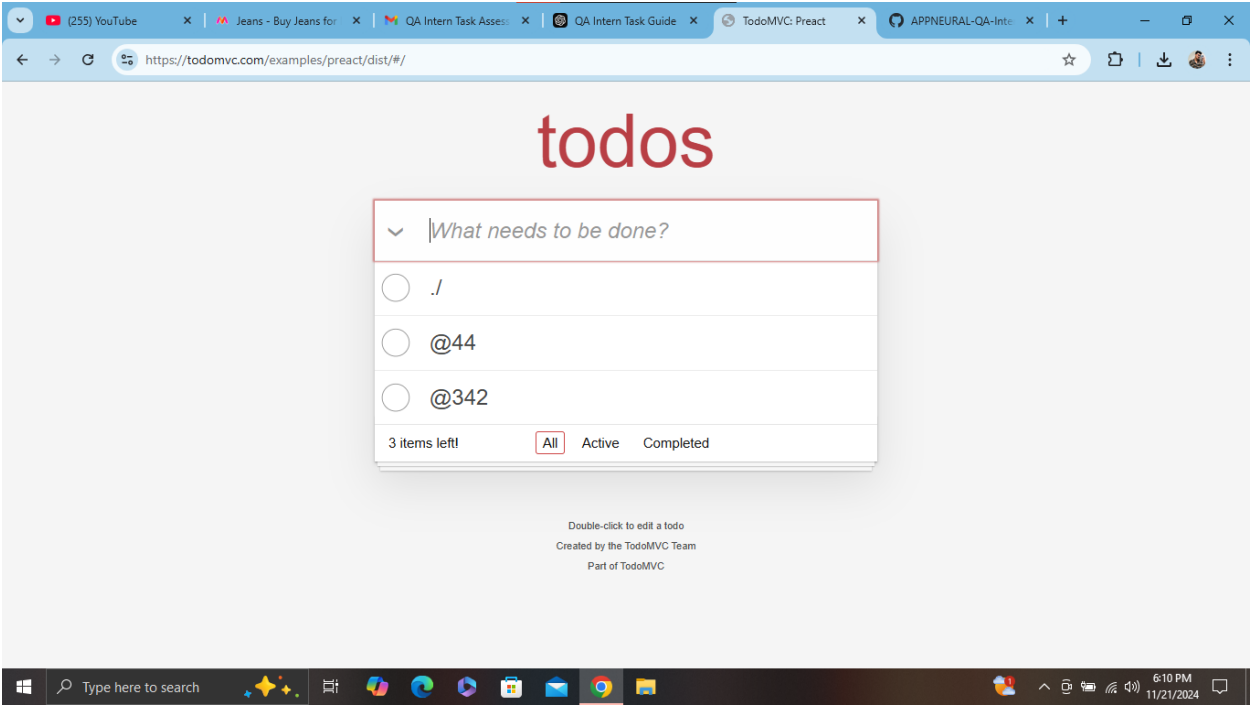
					the "Active" section and the strike-through is removed.
TC-007	Filter tasks by "Active"	Multiple tasks added	1. Add multiple tasks (some completed, some active). 2. Click "Active" filter.	Only active tasks should be shown.	Active tasks filtered correctly. Only tasks that are marked as incomplete are shown.
TC-008	Filter tasks by "Completed"	Multiple tasks added	1. Add multiple tasks (some completed, some active). 2. Click "Completed" filter.	Only completed tasks should be shown.	Completed tasks filtered correctly. Only tasks that are marked as completed are shown.
TC-009	Check persistence of tasks	Tasks added before page reload	1. Add a task. 2. Reload the page	Task should persist after page reload.	Task was not persistent. After reloading, the task disappeared
TC-010	Check UI on mobile device	App open on mobile	1. Open the TodoMVC website on a mobile device.	The UI should be responsive.	UI is responsive. The task list, input field, and buttons adapt to smaller screens.

Bug Report

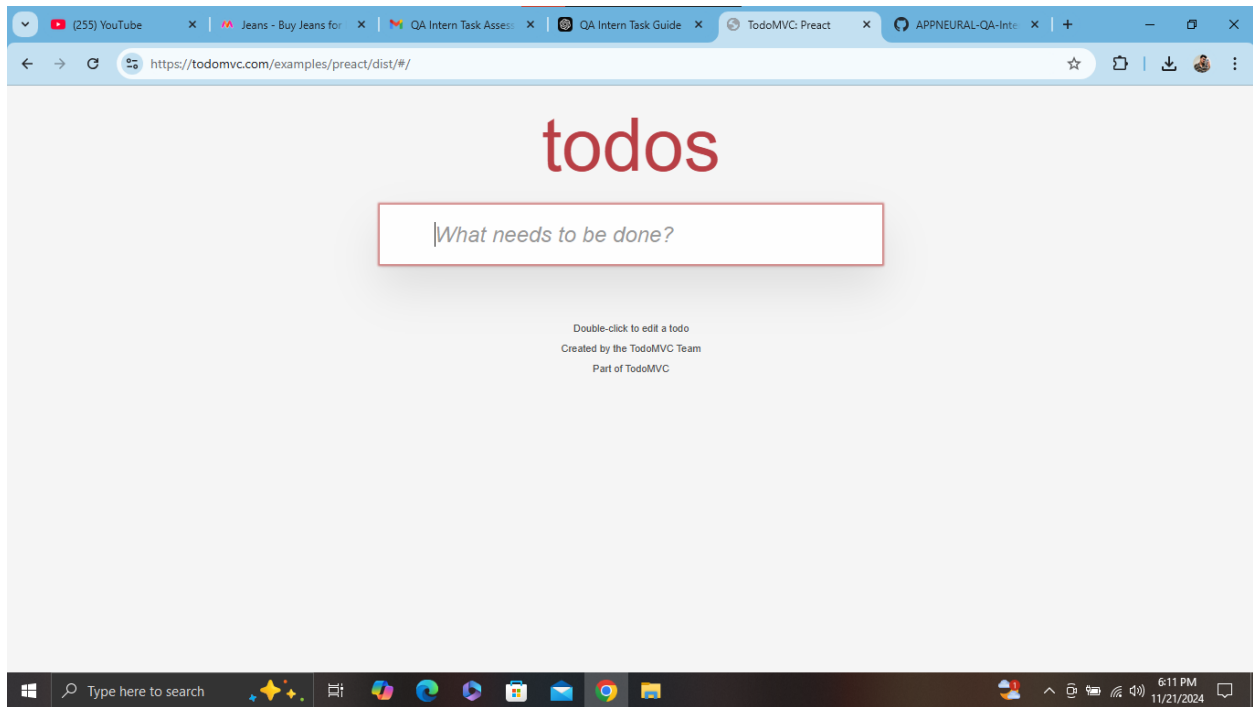
Bug ID	Summary	Description	Steps to Reproduce	Environment	Severity	Priority
BUG-001	Unable to add a task	When clicking the "Add Task" button, nothing happens.	1. Open the TodoMVC app. 2. Enter a task in the input field. 3. Press Enter.	Chrome 119.0, Windows 10	High	Critical
BUG-002	Tasks do not persist after reload	After adding tasks, they disappear when the page is refreshed.	1. Add tasks to the list. 2. Reload the page.	Firefox 119.0, macOS 10.15	Medium	High

Bug Screenshots:-

Task added



Bug Report



Task Disappeared after reload