Amazon – Web App Improvements

1. Improve Search Filtering

Suggestion: Refine search filters (e.g., exclude out-of-stock by default).

Validation: Search a product and apply filters; verify expected behavior.

1. Add Wish List Sync Notification

Suggestion: Alert if wish list items go out-of-stock or change price.

Validation: Add item to wish list, trigger change, check if user gets notified.

1. Simplify Returns UI

Suggestion: Make return/refund steps shorter and visually clearer. Validation: Initiate a return; validate step clarity and UX ease.

1. Fix Accessibility Issues

Suggestion: Add proper ARIA roles for navigation and labels.

Validation: Use screen readers and tools like Lighthouse/AXE DevTools.

1. Save Cart Across Devices

Suggestion: Sync cart instantly between desktop and mobile.

Validation: Add items on one device, check visibility on another device after login.

Test Strategy Summary

Web Testing (Amazon)

* Windows 11 (Chrome, Edge)

Browser Matrix (Amazon Web App)

Browser Version

Chrome 100+

Edge 100+

Automation Possibilities

App Tool Use Case

Amazon Selenium/Cypress Regression & functional tests

Manual Testing Techniques

* Exploratory Testing: Navigate without scripts to discover unexpected issues.
* Boundary Value Testing: E.g., max item quantity in cart, max characters in address.
* Accessibility Testing: With tools like AXE, Lighthouse, screen readers.

Edge Case Examples

App Edge Case

Amazon Login with expired session and perform add-to-cart

Amazon Use 3 tabs simultaneously; test real-time cart sync and session handling Amazon