

1. Project Overview

Testing the core functionalities and advanced features of the **Amazon website** to ensure usability, functionality, compatibility, and reliability across multiple browsers.

2. Objectives

- Verify that the Amazon website's basic functionalities work correctly.
- Validate search, cart, login, and product detail features.
- Ensure advanced interactions (actions, JavaScript executor, etc.) are working.
- Detect broken links.
- Confirm cross-browser compatibility and parallel test execution.

3. Scope of Testing

In Scope

- Home Page
- Search functionality
- Product Details Page
- Add to Cart
- Login/Authentication
- Dropdowns and Filters
- Mouse Hover, Drag and Drop
- Scrolling and Clicking hidden elements
- Checkbox and Radio Button Testing
- Broken Links Detection
- Cross-browser Testing

- Parallel Testing
- Capturing Screenshots on Test Failures

Out of Scope

- Backend testing (APIs, databases)
- Performance/load testing

4. Testing Approach

Testing is conducted using Selenium WebDriver (with Select Class, Actions Class, JavaScriptExecutor). Tests are executed manually and automated, with cross-browser testing across Chrome, Firefox, Edge, and Safari. Parallel testing is configured to optimize execution time.

5. Test Deliverables

- Test Cases
- Test Scripts (Automated Selenium Scripts)
- Defect Reports
- Test Execution Reports
- Screenshot Logs of Failures

6. Resources

- Testers
- Selenium WebDriver
- TestNG/JUnit (for parallel execution)
- Browsers: Chrome, Firefox, Edge, Safari

7. Schedule

Phase	Start Date	End Date
Test Planning	04/11/25	06/11/25
Test Design	07/11/25	11/11/25
Test Execution	12/11/25	09/12/25
Test Closure	10/12/25	12/12/25

8. Risks

- Website UI changes frequently.
- Browser updates may affect test results.
- Network issues during testing.