

Test Plan

Section:	Details:
Project:	Amazon Practice Project
Test Plan Title:	Amazon Website Non-Functional Tests
Prepared By:	Teresa Roberts
Date:	05/06/2025

1. Introduction

To assess the usability and performance of Amazon's website to ensure a smooth user experience. This testing will help identify potential barriers to user satisfaction while measuring website response time.

2. Scope of Testing

- **In Scope:**
 - ❖ Usability Testing: Checking ease of website navigation and checkout flow.
 - ❖ Performance Testing: Measuring page load times.
- **Out of Scope:**
 - ❖ Functional Testing.
 - ❖ Security Testing.
 - ❖ Accessibility Testing.

3. Test Objectives

- Enhance usability and effectiveness.
- Measure and analyse performance metrics.

4. Testing Approach

- **Methodologies:** Manual Testing.
- **Types of Testing:** Non-Functional, Usability, Performance.
- **Tools Used:** Pagespeed Insights.

5. Test Environment

- **Software:** Windows 11
- **URL:** <https://www.amazon.co.uk>
- **Browser:** Brave (Chrome 137.0.0.0) (1905 x 917 browser resolution)

6. Test Deliverables

- Test Plan
- Test Cases
- Bug Report (if testing reveals critical usability and performance issues)
- Performance Analysis Report

10. Entry & Exit Criteria

- **Entry:** Amazon website must be stable and accessible.
- **Exit:** 99% test case pass rate, no critical/severe bugs.

Test Cases

Test Case ID:	TC_Amazon_004
Test Case Author:	Teresa Roberts
Test Execution Date:	06/06/2025
Title:	Usability – Navigation Intuitiveness of from Amazon homepage.
Description:	Test how intuitive navigation is from the homepage to a subcategory.
Test Objective:	Evaluate the ease of navigating categories from the homepage.
Preconditions:	<ul style="list-style-type: none">• Internet access.• Brave browser installed.• Amazon website live.
Test Data:	N/A
Test Environment:	<ul style="list-style-type: none">• Software: Windows 11• URL: https://www.amazon.co.uk• Browser: Brave (Chrome 137.0.0.0) (1905 x 917 browser resolution)
Test Steps:	<ol style="list-style-type: none">1. Go to https://www.amazon.co.uk2. Locate and select “Gift Ideas” or “Books” from homepage navigation bar.3. Navigate to and select a subcategory.4. Review results.5. Assess clarity and path.
Expected Results:	<ul style="list-style-type: none">• Website should launch successfully.• Navigation bar categories should be clear and easy to locate.• User can locate and access chosen category and subcategory in approximately 3 clicks.

Actual Results:	<ul style="list-style-type: none"> • Website launched successfully. • “Gift Ideas” easy to find and click from navigation bar. • Subcategory “teens” was selected. • Navigation was simple and intuitive, subcategories easy to browse in 3 clicks.
Test Execution Status:	Pass
Bug Details:	N/A
Attachments:	N/A
Notes/Comments	N/A

Test Case ID:	TC_Amazon_005
Test Case Author:	Teresa Roberts
Test Execution Date:	05/06/2025
Title:	Usability – Checkout Simplicity: Test the number of steps needed to checkout basket on Amazon website.
Description:	Testing the ease and intuitiveness of checking out items in the basket to assess usability experience.
Test Objective:	Assess ease and determine if there is any friction in the checkout process which impacts user experience.
Preconditions:	<ul style="list-style-type: none"> • Internet access. • Brave browser installed. • Amazon website live. • User has an Amazon account.
Test Data:	<ul style="list-style-type: none"> • Valid Amazon account login details.
Test Environment:	<ul style="list-style-type: none"> • Software: Windows 11 • URL: https://www.amazon.co.uk • Browser: Brave (Chrome 137.0.0.0) (1905 x 917 browser resolution)
Test Steps:	<ol style="list-style-type: none"> 1. Go to https://www.amazon.co.uk 2. Sign into Amazon account with valid login details. 3. Search for an item e.g. “dog kennel” 4. Select any item from search results and click “Add to basket”. 5. Click “Go to basket” on right hand side of page. 6. Click “Proceed to Checkout”. 7. Input/select delivery address details.

	8. Input/select payment details. 9. Pay for item. 10. Assess clarity and path.
Expected Results:	<ul style="list-style-type: none"> • Website should launch successfully. • User should log into Amazon account successfully. • Search results should list many options. • Selected item should appear in basket. • Checkout page should request address and payment details. • User can complete checkout process in less than 5 steps.
Actual Results:	<ul style="list-style-type: none"> • Website launched successfully. • Logged into Amazon account successfully. • Search results listed many options. • Selected item appeared in basket. • Checkout page led to congratulatory message of eligibility for 30 days free trial of Amazon Prime with 2 options to proceed: claim free trial or continue without (see attachment). • Selected “buy now” option with pre-populated address and card details. • Checkout process completed in 4 steps.
Test Execution Status:	Pass
Bug Details:	N/A
Attachments:	Checkout page Amazon Prime congratulatory page
Notes/Comments	<ul style="list-style-type: none"> • Checkout process with alternative payment and address details would add 2 extra steps. • Congratulatory Amazon Prime trial message is slightly obtrusive but easy to navigate past.

Test Case ID:	TC_Amazon_006
Test Case Author:	Teresa Roberts
Test Execution Date:	05/06/2025
Title:	Measure Amazon website homepage load time on desktop using Pagespeed.
Description:	Measure the load time of the Amazon homepage to assess the risk of slow load times impacting user experience.
Test Objective:	Ensure homepage loads within acceptable time limits for optimal user experience.
Preconditions:	<ul style="list-style-type: none"> • Internet access. • Brave browser installed. • Amazon website is live. • Pagespeed website is live.
Test Environment:	<ul style="list-style-type: none"> • Software: Windows 11 • URLs: https://www.amazon.co.uk, https://pagespeed.web.dev/ • Browser: Brave (Chrome 137.0.0.0) (1905 x 917 browser resolution)
Input Data:	https://www.amazon.co.uk
Test Steps:	<ol style="list-style-type: none"> 1. Go to https://pagespeed.web.dev/ 2. Enter https://www.amazon.co.uk into the search field. 3. Click “Analyze” 4. Wait for test to complete. 5. Select “Desktop”. 6. Record and analyse results.
Expected Results:	<ul style="list-style-type: none"> • Pagespeed launches successfully. • Results produce: <ul style="list-style-type: none"> ▪ LCP < 2.5s ▪ CLS < 0.1 ▪ INP < 200ms ▪ Performance Score ≥ 90
Actual Results	<ul style="list-style-type: none"> • Pagespeed launched successfully. • Results produced: <ul style="list-style-type: none"> ▪ LCP = 1.2s ▪ CLS = 0.045 ▪ INP = 105ms ▪ Performance Score = 96

Test Execution Status:	Pass
Bug Details:	N/A
Attachments:	(See performance analysis report for exact metrics)
Notes/Comments	Page speed placed website in a que for approximately 2-3 minutes before executing test. A more efficient way may be better to test this in order to save time in future.

Performance Analysis Report:

Test Case ID: TC_Amazon_006

URL tested: <https://www.amazon.co.uk>

Prepared by: Teresa Roberts

Date of Test: 05/06/2025

Time of Test: 15:37

Test Tool: PageSpeed Insights (Desktop Test)

[Link to Full Report](#)

Metric	Result	Target	Status
Largest Contentful Paint (LCP)	1.2 seconds	< 2.5 seconds	Pass
Interaction to Next Paint (INP)	105 ms	< 200 ms	Pass
Cumulative Layout Shift (CLS)	0.045	< 0.1	Pass
Performance Score	96 / 100	≥ 90	Pass

Test Report

Project:	Amazon Practice Project			
Title:	Amazon Website Non-Functional Tests			
Prepared by:	Teresa Roberts			
Date:	06/06/2025			
Test Objective:	To assess the usability and performance of Amazon’s website to ensure a smooth user experience. This testing aimed to help identify potential barriers to user satisfaction whilst measuring website response time.			
Website Overview:	Testing of the ease of browsing from the homepage, adding an item to the basket and checkout flow.			
Testing Scope:	<u>In Scope:</u> <ul style="list-style-type: none">Usability Testing: Checking ease of website navigation and checkout flow.Performance Testing: Measuring page load times.			
	<u>Out of Scope:</u> <ul style="list-style-type: none">Functional Testing.Security Testing.Accessibility Testing.			
Testing Period:	From: 05/06/2025		To: 06/06/2025	
Test Approach:	<ul style="list-style-type: none">Methodologies: Manual Testing.Types of Testing: Non-Functional, Usability, Performance.Tools Used: Pagespeed Insights.			
Test Environment:	<ul style="list-style-type: none">Software: Windows 11URL: https://www.amazon.co.ukBrowser: Brave (Chrome 137.0.0.0) (1905 x 917 browser resolution)			
Testing Metrics:	Tests planned: 3	Tests executed: 3	Tests passed: 3	Tests failed: 0

	Test Case ID	Description	Status
	TC_Amazon_004	Usability – Navigation Intuitiveness: Test how intuitive navigation is from the homepage to an item.	Pass
	TC_Amazon_005	Usability – Checkout Simplicity: Test the number of steps needed to reach checkout.	Pass
	TC_Amazon_006	Usability – Checkout Simplicity: Test the number of steps needed to reach checkout.	Pass
Defects summary:	Total defects: 0	Outstanding defects: 0	
Overall summary:	<p>All non-functional tests passed successfully, demonstrating that the Amazon website is:</p> <ul style="list-style-type: none">• Easy to navigate.• Intuitive and efficient in its checkout process.• Optimised for fast, stable performance. <p>This reflects positively on both user experience and site quality for a wide range of users.</p>		