

Overall Tests Report

1. Document Information

- Document Title: Amazon Logged-Out User Smoke Test Specification (ISO 29119)
- Document ID: TS-AMZ-PO-ISO29119-001
- Version: 1.0
- Date: 2026-02-18
- Related Automation Suite: `amazon_page_object/Tests/amazon.robot`

2. Scope and Objectives

Scope

This specification defines test conditions, test cases, and execution controls for the logged-out Amazon user smoke flow:

1. Search for product
2. View product
3. Add product to cart
4. Initiate checkout and verify sign-in gate

Objectives

- Verify critical anonymous-user shopping path behavior.
- Detect high-impact UI regressions early.
- Provide repeatable evidence via automated execution artifacts.

3. Test Basis

- Business requirement: Anonymous users can browse and add items, but must authenticate to checkout.
- UI workflow basis: Amazon web storefront journey.
- Automation basis: Page-object keywords in `amazon_page_object/Resources/` .

4. Test Items

- Landing page
- Top navigation search
- Search results page
- Product details page
- Cart experience

- Checkout entry and sign-in prompt

5. Test Conditions

- TCND-001: Landing page is reachable and ready for search interaction.
- TCND-002: Search returns relevant result set for `Ferrari 458`.
- TCND-003: User can navigate from search results to product details.
- TCND-004: User can add selected product to cart.
- TCND-005: Checkout attempt from logged-out state redirects to sign-in experience.

6. Test Coverage Matrix

Condition ID	Covered By Test Case
TCND-001	TC-AMZ-001
TCND-002	TC-AMZ-001
TCND-003	TC-AMZ-002
TCND-004	TC-AMZ-003
TCND-005	TC-AMZ-004

7. Test Design Specification

Design Technique

- Scenario-based, risk-focused smoke coverage.
- Positive flow validation with stable UI checkpoints.

Test Completion Logic

- Each case completes when defined expected results are satisfied.
- Failure on any critical checkpoint marks test case failed.

8. Test Case Specification

TC-AMZ-001: Logged out user can search for products

- Priority: High
 - Preconditions: Browser available; user not authenticated.
 - Test Data: `Ferrari 458`
 - Procedure:
1. Navigate to Amazon landing page.

2. Enter search text.
3. Submit search.
 - Expected Result:
 - Search results container is visible.
 - Results content includes search relevance to `ferrari 458`.

TC-AMZ-002: Logged out user can view a product

- Priority: High
- Preconditions: TC-AMZ-001 completed.
- Procedure:
 1. Select first product from results.
 - Expected Result:
 - Product detail page loads.
 - Product title element is visible.

TC-AMZ-003: Logged out user can add product to cart

- Priority: High
- Preconditions: TC-AMZ-002 completed.
- Procedure:
 1. Click Add to Cart.
 - Expected Result:
 - Cart add confirmation is displayed.

TC-AMZ-004: Logged out user must sign in to check out

- Priority: Critical
- Preconditions: TC-AMZ-003 completed.
- Procedure:
 1. Click checkout/proceed button from cart or cart-sheet.
 - Expected Result:
 - Sign-in / create-account page is displayed.

9. Test Procedure Specification

- Setup:
 1. Launch browser.
 2. Initialize clean anonymous session.
- Execution:
 1. Run selected test case(s) from `amazon_page_object/Tests/amazon.robot`.
 2. Capture output artifacts.
- Teardown:
 1. Close browser.

10. Entry and Exit Criteria

Entry

- Test environment available.
- Browser driver compatible.
- Site reachable.

Exit

- All in-scope smoke cases executed.
- Results and logs generated.
- Blocking defects documented.

11. Pass/Fail Criteria

- PASS: Expected result(s) fully met with no unhandled automation errors.
- FAIL: Any expected result not met, including timeout, locator failure, or unexpected navigation.

12. Incident and Defect Management

- Failures are logged as incidents with:
- Test case ID
- Step and keyword
- Screenshot/log references
- Environment details
- Defects are prioritized by business impact (Critical/High/Medium/Low).

13. Environment Requirements

- Robot Framework + SeleniumLibrary
- Browser: Edge/Chrome
- Internet access to `amazon.com`
- Write access for result files

14. Deliverables

- `output.xml`
- `log.html`
- `report.html`
- Defect/incident tickets
- This ISO 29119-aligned test specification

15. Traceability to Automation Assets

- Suite: `amazon_page_object/Tests/amazon.robot`
- Orchestration: `amazon_page_object/Resources/AmazonApp.robot`
- Page objects:
 - `amazon_page_object/Resources/PO/LandingPage.robot`
 - `amazon_page_object/Resources/PO/TopNav.robot`
 - `amazon_page_object/Resources/PO/SearchResults.robot`
 - `amazon_page_object/Resources/PO/Product.robot`
 - `amazon_page_object/Resources/PO/Cart.robot`
 - `amazon_page_object/Resources/PO/SignIn.robot`

16. Execution Command

```
robot -d amazon_page_object/Results/batch/edge -v BROWSER:edge  
amazon_page_object/Tests/amazon.robot
```