

Master Test Plan

for

Automation Exercise website

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prepared By :

Hala Mousa

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1. Introduction

This document describes the test plan for the Automation Exercise e-commerce website. It outlines the testing approach, scope, objectives, resources, responsibilities, schedule, and deliverables for verifying the functionality and quality of the application.

1.1 Background

The website provides key e-commerce features such as user authentication, product browsing and search, product detail pages, shopping cart management, checkout, and customer support via the Contact Us form. Testing will ensure that these workflows are reliable, user-friendly, and meet the expected business requirements .

1.2 Objective

The objective of this test plan is to validate the core functionalities of the Automation Exercise e-commerce website, ensuring that critical user journeys such as login, product search, product detail viewing, cart management, checkout, and contact form submission work reliably and as intended.

2. Scope

2.1 In Scope :

- **Auth:** login, logout .
- **Products:** open products page, search (valid/invalid), categories (Women→Dress).
- **PDP:** name/price/brand visibility, quantity set & via arrows, add to cart.
- **Cart:** view, remove single, quantity reflect, proceed to checkout.
- **Contact Us:** positive submit (with optional file), negative (HTML5 validation).
- **Header/nav sanity:** links present, cart count updates.

2.2 Out of Scope :

- Real payments .
- email confirmations
- backend DB checks .
- full performance testing.

3. Test Approach

- **Framework:** Java + Selenium WebDriver + TestNG + POM.
- **Design:** Page Objects per site area; small, independent tests; DataProviders for variations.
- **Waits:** Explicit waits only; avoid fragile sleeps.
- **Assertions:** Prefer focused, single-responsibility checks per test.

4. Roles & Responsibilities

Role	Responsibility
QA Lead	Manage plan, review test cases
QA Engineer	Write test cases, execute tests, report bugs
Developer	Fix bugs

5. Schedule

Milestone	Description	Duration	start date - end date
Requirements Analysis	analyze requirements & understand user needs	1 day	23/09/2025 - 23/09/2025
Test Plan	Final version of test plan is approved	1 day	24/09/2025 - 24/09/2025
Test Case Design	All test cases are written	1 day	25/09/2025 - 25/09/2025
Test Execution	Running the written test cases	2 days	26/09/2025 - 28/09/2025
Test Summary	Writing test summary report	1 day	28/09/2025 - 28/09/2025

6. Entry Criteria

- The testing environment is established .
- Approved Business Requirements .
- Test cases reviewed .

7. Exit Criteria

- Critical bugs are fixed .
- System testing passes .

8. Risks & Mitigations

Risk	Mitigation
Dynamic selectors	use robust locators and waits
Third-party ads/popups	dismiss via safe guards if appear

9. Sign Off

QA Lead: Hala Mousa