# **Test Plan (Automation Exercise - Products & Carts Page)**

Project : Automation Exercise - Products & Carts Pages

Test Plan ID : AE - 001 - 0

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Version : 1.0

## **1. Introduction**

This document outlines the strategy and approach for testing the Product and Cart pages of the Automation Exercise website. It includes both UI and API testing scopes.

## **2. Test Objectives**

* Ensure all products are listed correctly.
* Verify the cart updates correctly when products are added/removed.
* Confirm the API returns correct status codes and data.
* Validate user interaction elements on the Product and Cart pages.

## **3. Scope of Testing**

* In Scope:
  + Product page: listing, filtering, category, brand.
  + Cart page: add/remove items, quantity updates.
  + API: product list, brand list, search product.
* Out of Scope:
  + Checkout and payment gateway.

## **4. Test Strategy**

* Test Levels
  + Functional Testing (UI & API)
  + Compatibility Testing (Browser)
* Test Types
  + Manual Testing (for UI Behavior)
  + Automated Testing (using Selenium for UI, Postman for API)

## **5. Test Environment**

* Platform : Web Application
* Browser : Chrome, Firefox, Safari
* Tools : Selenium, Testmo, Postman, Jira
* Test Data Source : Manual created by QA Engineers

## **6. Test Deliverables**

* Test Plan Document
* Test Design Document
* Test Script
* Bug Reports
* Test Summary Report

## **7. Entry Criteria**

* All UI/API requirements exist.
* Development environment is stable and accessible.
* Test data is available.

## **8. Exit Criteria**

* All functional requirement test cases have been successfully executed and passed.

## **9. Risks and Mitigations**

| **No** | **Risk** | **Approach** | **Action** |
| --- | --- | --- | --- |
| 1 | Website unavailable | Acceptance | Wait up to 5 – 15 minutes and retry accessing the website. |
| 2 | API unavailable | Acceptance | Wait up to 5 – 15 minutes and retry accessing the website. |

## **10. Test Schedule**

| **Phase** | **Start Date** | **End Date** |
| --- | --- | --- |
| Test Design | 04 July 2025 | 05 July 2025 |
| Test Environment Setup | 04 July 2025 | 04 July 2025 |
| Test Execution | 06 July 2025 | 07 July 2025 |
| Test Closure | 07 July 2025 | 08 July 2025 |

## **11. Roles and Responsibilities**

| **Name** | **Role** | **Responsibility** |
| --- | --- | --- |
| Arrick Russell Adinoto | QA Engineer | Plan, write, execute, and document the test process. |