Propose of this document

This document outlines the detailed plan for testing the [Automation Exercise] with a focus on functional and automation testing using Selenium. The goal is to ensure that all core functionalities of the application are working as intended.

Application Overview

The "automation exercise" is a comprehensive practice platform designed to allow users to browse products by category, search for items, add products to the cart, and complete purchases. The application supports features such as user authentication (sign-up, log in/out), cart management, and a seamless checkout process.

Feature Overview

The primary features of this application include:

- User Registration & Login: Allowing new users to register and existing users to log in and out of the system.
- Product Browsing & Search: Users can browse products by categories, search for specific items, and view product details.
- Cart & Checkout Management: Adding items to the cart, removing items, and placing orders.
- Invoice Generation: Users can download an invoice after completing a purchase.

Test Objectives

- To ensure that all primary functionalities of the application are thoroughly tested.
- To identify and fix any functional and UI-related bugs.
- To validate both positive and negative user flows in various environments (Chrome, Edge, Firefox).
- To automate critical test scenarios using Selenium for fast and reliable regression testing.

Test Scope

This test plan covers both functional testing and automation using Selenium for the core application features.

Test Scenario

Positive Scenarios:

- Verify that a new user can sign up by filling all mandatory fields.
- Verify that a user can log in with the correct email and password.
- Verify that a user can log off successfully.
- Verify that all products are displayed, and that the product detail page opens successfully.
- Verify that products can be searched using the search functionality.
- Verify that products are added to the cart.
- Verify that a user can place an order by registering before checkout.
- Verify that a user can place an order by logging in before checkout.
- Verify that products can be removed from the cart.
- Verify that category products are displayed correctly.
- Verify that brand products are displayed correctly.
- Verify that the address details are displayed correctly at the checkout page.
- Verify that the invoice may be downloaded after a purchase order.
- Verify that the Scroll Up function works without using the 'Arrow' button, and Scroll functionality works.

Negative Scenarios:

- Verify that a user can't log in with an incorrect email and password.
- Verify that a user can't sign up with an existing email address.
- Verify that a user can't edit product quantity in shopping cart.

Test Approach:

QA Team	A
QA Lead	Kiran Tamang

Test Environment and Tools

Version	
Tested Builds	
Environments	Test Server
Browser Compatibility	Chrome, edge, firefox

Exit Criteria

1. All test cases (both manual and automated) must pass without critical issues.
2. All identified bugs must be resolved and verified.
3. The application must meet the business and technical requirements outlined by the stakeholders.
4. All changes and requirements must be thoroughly documented.