**Software Requirements Specification (SRS) Document**

*Version 1.0*

**1. Introduction**

1.1 Purpose

The purpose of this document is to outline the requirements for the Swag Labs Test Automation project. It aims to provide a comprehensive understanding of the functionalities to be tested, ensuring the Swag Labs application meets the specified criteria.

1.2 Scope

The scope of this document encompasses the test scenarios for various features of the Swag Labs application, including setup, login/logout, image interactions, cart management, filtering, and other relevant functionalities.

**2. System Overview**

2.1 Description

The Swag Labs application is an e-commerce platform that offers a variety of products for online purchase. The goal of the test automation project is to verify the correct functioning of critical features, enhancing the overall user experience.

**3. Test Scenarios**

3.1 Setup Test

* **Objective:** To ensure that the test environment is set up correctly.
* **Steps:**
  1. Launch the Swag Labs application.
  2. Verify the presence and functionality of necessary components.

3.2 SoftAssertTitle Test

* **Objective:** To validate the correctness of page titles.
* **Steps:**
  1. Navigate to different pages.
  2. Assert the titles of each page using a soft assert approach.

3.3 LogoTest

* **Objective:** To verify the presence and correctness of the application logo.
* **Steps:**
  1. Locate the application logo.
  2. Verify the displayed logo against the expected logo.

3.4 MultipleLogin Test

* **Objective:** To test the ability to log in with multiple user credentials.
* **Steps:**
  1. Provide valid credentials for multiple users.
  2. Verify successful login for each user.

3.5 FailLogin Test

* **Objective:** To validate the handling of failed login attempts.
* **Steps:**
  1. Provide invalid credentials.
  2. Verify appropriate error messages are displayed.

3.6 LoginTest

* **Objective:** To verify the successful login process.
* **Steps:**
  1. Provide valid credentials.
  2. Verify successful login and redirection to the user dashboard.

3.7 Images Displaying Test

* **Objective:** To ensure that product images are displayed correctly.
* **Steps:**
  1. Navigate through product listings.
  2. Verify the presence and correctness of product images.

3.8 Images Interaction Test

* **Objective:** To test user interactions with product images.
* **Steps:**
  1. Select a product.
  2. Verify the ability to interact with product images (click, etc.).

3.9 Add/Remove in Cart Test

* **Objective:** To test the functionality of adding and removing items from the cart.
* **Steps:**
  1. Add items to the cart.
  2. Verify the presence and correctness of items in the cart.
  3. Remove items from the cart.
  4. Verify the removal of items.

3.10 Filter Test

* **Objective:** To test the product filtering mechanism.
* **Steps:**
  1. Apply various filters (price, category, etc.).
  2. Verify the displayed products match the applied filters.

3.11 HoverOver Test

* **Objective:** To test the hover-over functionality on different elements.
* **Steps:**
  1. Hover over different UI elements.
  2. Verify the expected interactions.

3.12 Logout Test

* **Objective:** To test the logout functionality.
* **Steps:**
  1. Click on the logout button.
  2. Verify successful logout and redirection to the login page.

3.13 Teardown

* **Objective:** To clean up the test environment.
* **Steps:**
  1. Log out of the application.
  2. Perform necessary cleanup operations.

**4. Dependencies**

4.1 Software Dependencies

* Web browser (Chrome, Firefox, etc.).
* Selenium WebDriver.
* TestNG or JUnit (based on the testing framework).

**5. Conclusion**

This Software Requirements Specification document outlines the various test scenarios to be executed for the Swag Labs application. It serves as a guide for the test automation team, ensuring comprehensive coverage of critical functionalities.