### **1. Objective**

To automate testing of core functionalities of the Swag Labs application to ensure its quality, performance, and user experience across login, product selection, cart, and checkout functionalities.

## **2. Environment Setup Instructions**

* **OS**: Windows 11
* **Browser**: Google Chrome
* **Java**: JDK 11
* **Build Tool**: Maven
* **IDE**: Eclipse with Maven support
* **Selenium**: Latest Selenium WebDriver dependency in pom.xml
* **Apache POI**: Add dependency for reading Excel
* **TestNG**: For data-driven and structured execution

### **3. Environment Setup Instructions**

#### **Prerequisites:**

* Java
* Maven
* Eclipse
* Chrome Browser (latest)
* ChromeDriver (same version as browser)
* TestNG
* Extent Reports

## **4. Scenario Descriptions**

* **Login Verification**: Ensure system accepts valid credentials and rejects invalid ones.
* **Product Filtering**: Confirm price sorting works correctly (Low → High).
* **Cart Operations**: Validate that products can be added and displayed in cart.
* **Checkout Process**: Ensure complete purchase flow works with valid details and shows proper errors for missing ones.