

# Swag Labs Test Plan

## 1. Introduction

This project is the final graduation submission for the Digital Egypt Pioneers initiative provided by the Egyptian Ministry of Communications and Information Technology.

The aim is to make sure that all the core user stories work as expected, all the defects has been identified and documented, and the application meets the specified requirements.

## 2. Scope

### 2.1 In scope

**Functional Testing:** Testing all 6 core user stories (Login Page, Products Page, Cart Page, Checkout: Your Information Page, Checkout: Overview Page, Checkout: Complete Page).

**Manual Testing:** Executing all test cases manually and documenting results.

**UI Testing:** Basic validation of layout, spelling and usability on main pages.

**Automation testing:** Automation of the main/core functions of the system.

**Compatibility Testing:** Includes Chrome, Edge, Firefox browsers.

### 2.2 Out of Scope

**Performance, Load, and Stress Testing.**

**Security and Penetration Testing.**

**Database Testing.**

## 3. Features to Be Tested

Testing will be focused on the 6 core User Stories defined for the project:

- **US-01: Login Page**
- **US-02: Products Page**
- **US-03: Cart Page**
- **US-04: Checkout ‘Your Information Page’**
- **US-05: Checkout ‘Overview Page’**
- **US-06: Checkout ‘Complete Page’**

## 4. Team and Responsibility

Team Member	Roles	Responsibilities
Aml Ahmed	QA Engineer	US-03: Cart Page US-04: Checkout ‘Your Information Page’
Esraa Sameh	QA Engineer	US-02: Products Page
Farah Magdy	QA Engineer	US-05: Checkout ‘Overview Page’ US-06: Checkout ‘Complete Page’

## 5. Test deliverables

- Test Plan (This Document):** Documentation/Test Plan.pdf
- Requirements Traceability Matrix:** Documentation/RTM.xlsx
- Jira Artifacts Export:** Documentation/Test Summary report.pdf
- Automation Scripts:** Manual/Jira Export.csv
- Test Summary Report:** Automation/DEPI\_Automation

## 6. Test Environment and Technology

### 6.1 Manual Testing and Management Tools:

Tool	Purpose	Version/Platform
Jira	Project Management and Bug Tracking	Jira Cloud
Github	Version Control and Collaboration	Web Cloud
MS Excel	Manual Test Artifacts	(Desctop/Office365)

### 6.2 Automation Testing stack:

Tool	Purpose	Version
Java	Programming Language	21
Selenium	Browser Automation Framework	4.27.0
TestNG	Testing Framework	7.10.2
Maven	Build & Dependency Management	(Project Default)
IntelliJ IDEA	Integrated Development Environment	2025.2.4

## 7. Test Strategy

**7.1 Test Case Design:** Team members will analyze their assigned User Stories and write detailed, formal test cases in Jira.

**These cases will cover:**

- Positive Scenarios:** To ensure the features work as expected.
- Negative scenarios:** To ensure the system handles invalid data gracefully.
- Error Guessing Scenarios:** To find non-obvious defects.

### 7.2 Test Execution:

- All test cases will be executed manually by the responsible QA Tester.**
- Results will be logged (Pass/Fail) in Jira.**

### 7.3 Bug Reporting and Triage:

**7.3.1 Any fail result will be logged as a bug in the Jira project board.**

**7.3.2 Each Bug Report must be detailed, including:**

- A clear, concise Title.**

- Steps To Reproduce (with test data).
- Actual Result vs. Expected Result.
- Environment.
- Screenshots and/or Video evidence.
- A defined Severity (Critical, High, Medium, Low).

**7.3.3 The team will briefly meet to review bugs and assign a Priority.**

## 8. Schedule

Milestone	Start Date	End Date	Responsible
Phase1: Planning	20-10-2025	21-10-2025	All team
Test Plan finalization	20-10-2025	20-10-2025	All team
Phase2: Design	22-10-2025	27-10-2025	All team
All test cases written (for all 6 US)	22-10-2025	26-10-2025	All team
RTM Creation	26-10-2025	27-10-2025	All Team
Phase3: Execution	28-10-2025	31-10-2025	All Team
Test Execution	28-10-2025	29-10-2025	All Team
Bug Reporting	29-10-2025	31-10-2025	All Team
Phase4: Automation	01-11-2025	15-11-2025	All Team
Github & Environment Setup	01-11-2025	01-11-2025	All Team
Implementation	02-11-2025	13-11-2025	All Team
Test summary Report	14-11-2025	14-11-2025	All Team
Final Project Submission	15-11-2025	15-11-2025	All Team