

# TEST PLAN

## 1) Test Plan Id: AP\_TC\_001

## 2) Introduction/Description:

- The purpose of this project report is to provide a comprehensive overview of the testing activities conducted for an e-commerce website.
- The testing activities were carried out to ensure that the website functions as expected, meets the requirements, and delivers a high-quality user experience. The report includes details on the testing objectives, scope, testing approach, test environment, test activities, test results, and recommendations for improvement.
- Verify the functionality of the website, including product browsing, product search, shopping cart, checkout process, payment processing, and order confirmation.

## 3) Test Items:

- User Registration
- User Login
- Product browsing and searching
- Shopping cart functionality
- Order confirmation

## 4) References:

- Requirements
- Project Plan
- Test Strategy
- Use cases (if available)
- High level Design Documents
- Low Level Design Documents
- Process Guide line document
- Prototypes

## 5) Features to be tested:

### a) User Registration:

- Verify that users can register with valid details such as name, email, and password.
- Verify that users cannot register with invalid or duplicate email addresses.

- Verify that mandatory fields are properly validated and error messages are displayed for missing or invalid information
- Verify that users receive confirmation emails after successful registration.

#### **b) User Login**

- Verify that users can login with valid credentials (email and password).
- Verify that users cannot login with invalid or incorrect credentials.
- Verify that users can reset their password in case they forget it.
- Verify that appropriate error messages are displayed for incorrect login attempts.

#### **c) Product browsing and searching:**

- Verify that users can search for products based on various criteria such as keywords, categories, brands, etc.
- Verify that search results display accurate and relevant products.
- Verify that users can filter and sort search results based on different parameters.

#### **d) Shopping cart functionality**

- Verify that users can add products to their cart and view the cart contents.
- Verify that users can update the quantity or remove products from the cart.

#### **e) Order confirmation**

- Verify that users receive order confirmation emails after successful purchases

### **6) Features not to be tested: NA**

### **7) Entry Criteria:**

#### **a) Test Design:**

- Team formation, Responsibilities, schedule, requirements, test case template
- Training on domain, on automation tools

b) Test Execution

- Readiness of test tab
- Readiness of AUT
- Requirements
- Test case Documents
- Test data
- Defect Report Template

**8) Exit Criteria:**

- All possible test cases executed
- Maximum defect fixed, final regression performed successfully
- Confidence on test process
- Time limitations
- Budget limitations

**9) Suspension criteria: Nil**

**10) Test Environment**

**Application Type:** Web Application, Internet and public

**Software Requirements:**

**i. Operating System:**

Windows: 7, 8, 8.1, 10 (32-bit and 64-bit)

macOS: OS X 10.10+

Linux: Ubuntu, CentOS, Fedora (Katalon Studio is tested on Ubuntu and CentOS)

**ii. Java Development Kit (JDK):**

Katalon Studio requires JDK 8 or later.

Make sure JAVA\_HOME environment variable is properly set.

**iii. Browser:**

Google Chrome, Mozilla Firefox, Microsoft Edge, Safari (for iOS testing)

Katalon Studio supports the latest versions of these browsers.

**iv. Jenkins**

**Hardware Requirements:****Processor:**

Minimum: Dual-core 2 GHz CPU

Recommended: Quad-core 2.5 GHz CPU or higher

**RAM:**

Minimum: 4 GB

Recommended: 8 GB or more for better performance

**Disk Space:**

Minimum: 5 GB of available hard-disk space for Katalon Studio installation.

Additional space might be needed for test projects, test data, and temporary files.

**11) Test Deliverables:**

- Test Plan
- Review reports
- RTM
- Test Scenario docs
- Test Case Docs
- Test data
- Opened, closed defect report
- Test summary report

**12) Training:**

Test Automation Training Using Katalon Stud

**13) Risks and Mitigations: NA****14) Glossary**

- AUT- Application Under Test
- PIN- Project initiation note
- SRS- Software Requirement Specification