

TEST PLAN DOCUMENT FOR AMAZON APPLICATION

1. Test Plan Id: Amazon_TP_01

2. Introduction:

- ✓ **Project overview:** The Amazon Software Project aims to provide the same online shopping experience for users testing is crucial to ensure the reliability and functionality of key features.
- **Testing overview:** The testing phase will focus on automated testing using Katalon Studio to validate essential functionalities like Login, Logout, Add to Cart, Zip code, Search item, and Wishlist item.

3. Test Items:

List of Modules/Functions/Services/Features:

- User Authentication (Login)
- User Authentication (Logout)
- Product Search by category (Search Item)
- Cart Management (Add to Cart)
- Product Details
- Zip Code

4. References:

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

5. Features to be tested:

➤ User Authentication:

- i. Username
- ii. Password
- iii. Continue
- iv. Forgot Password
- v. New User

- **Wishlist Management:**
 - Add to list
 - Remove from List
 - List Name
- **Product Search:**
 - Select Category
 - Enter Item and search
- **Cart Management:**
 - Search the item
 - View Product Details
 - Add to cart
- **Logout:**
 - Username
 - Password
 - Sign out
- **Zip Code:**
 - Deliver to
 - Enter zip code
 - Apply

6. Features not to be tested:

- ✓ None Identified for this testing phase.

7. Entry Criteria:

- **Test Environment Readiness:**
 - Ensure that the test environment is set up with the required hardware and software components.
 - Verify that Katalon Studios is installed and configured for automated testing.
- **Test Data Availability:**
 - Confirm that necessary test data, including valid and invalid credentials, sample products, and order history data, is available for testing.
- **Test Cases Prepared:**
 - Ensure that test cases for all identified features have been developed and reviewed.

- **Automation Scripts Ready:**
 - Verify that automation scripts for the identified features are developed and validated.
- **Test Team Training:**
 - Confirm that the test team has undergone training on Katalon Studios for effective test automation.
- **Approval of Test Plan**
 - Obtain approval from the project manager and relevant stakeholders for the test plan.

8) Exit Criteria:

- **Test Execution Complete:**
 - All test cases, both manual and automated, have been executed.
- **Defect Closure:**
 - All identified defects have been addressed, retested, and closed.
- **Test Log Completion:**
 - The test log is complete, documenting all test activities, including executed tests, results, and any issues encountered.
- **Test Report Generated:**
 - A comprehensive test report summarizing the testing phase is generated, including pass/fail statistics, defect metrics, and any recommendations.
- **Automation Scripts Updated:**
 - Automation scripts are updated to reflect any changes in the application or testing requirements.
- **Documentation Updated:**
 - Test documentation, including test cases and procedures, is updated to align with any changes in the application.
- **Feedback Collected:**
 - Collect feedback from the testing team regarding the testing process, tools, and any challenges faced.
- **Approval of Test Closure:**
 - Obtain approval from the project manager and relevant stakeholders for the closure of the testing phase.

9) Suspension criteria:

- ✓ Testing will be suspended if there are server downtimes affecting the testing environment.

10) Roles and Responsibilities:

S.NO	NAME	ROLE	RESPONSIBILITIES	REMARKS
1	S. Teja Sree	Test Lead	Test planning, guidance, Monitoring, and test control	
2	S. Teja Sree	Sr. Tester	Test data collection, Generating test scenarios	
3	S. Teja Sree	Tester	Test case documentation, test execution, defect reporting, and tracking Amazon applications.	
4	S. Teja Sree	Tester	Test case documentation, test execution, defect reporting, and tracking for Amazon application.	

11) Schedule:

S.NO	TASK	DAYS	DURATION	REMARKS
1	Understanding and Analyzing requirements	2	6 January and 8 January	
2	Review meeting	1	8 January	
3	Generating Test scenarios	2	9 January and 10 January	
4	Reviews	1	10 January	
5	Test case Documentation	2	11 January and 12 January	
6	Reviews	1	12 January	
7	Test data collection	1	13 January	
8	Reviews	1	14 January	
9	Verifying Test Environment Setup	1	14 January	
10	Create Test Batches	1	15 January	
11	Sanity Testing	1	16 January	
12	Comprehensive testing	1	17 January	
13	Sanity Testing	1	18 January	
14	Selecting Test Cases	1	19 January	
15	Regressing Testing	2	20 January and 21 January	
16	Sanity Testing	1	22 January	
17	Selecting Test Cases	1	23 January	
18	Regression Testing cycle -2	2	24 January and 25 January	

S.No	Task	Days	Duration	Remarks
27	Final Regression	2	26 January and 27 January	
28	Evaluating Exit Criteria	2	27 January and 28 January	
29	Collecting all artifacts	1	29 January	
30	Test Summary Report	2	30 January and 31 January	

Note: Regression Testing depends on Application and strength of Development team.

12) Training:

- Training program on Software Automation Testing
- Test Automation Training Using Katalon Studios

13) Risks and Mitigations:

- Risk: Unavailability of required test data
- Mitigation: Coordinate with development to ensure the availability of necessary test data

14) Test Environment:

1. Hardware:

- Desktop or laptop computers for test engineers.

2. Software:

✓ Operating Systems:

- Test Engineer Machines: Windows 10, MacOS, Linux (based on team preferences)

✓ Test Automation Tools:

- Katalon Studios: Installed on each test engineer's machine for creating and running automation scripts.

✓ Browsers:

- Chrome, Firefox, Safari: Ensure compatibility testing across major browsers.

✓ Version Control:

- Git for version control, allowing collaboration and tracking changes in test scripts.

✓ Continuous Integration/Continuous Deployment (CI/CD) Tool:

- Jenkins: For automated build and deployment of the application.

15) Test Deliverables:

- Test Plan

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

16) Approvals:

SNO	TASK/S	AUTHOR/ RULE	DATE & SIGNATURE
1	Test plan documentation	Kareemulla (Test Lead)	
2	Review	Hari Prasad (Quality analyst)	
3	Approval	Vinod Rao (Project Manager)	

17) Glossary:

AUT- Application Under Test

RTM- Requirements Traceability Matrix

PIN- Project Initiation Note

SRS- Software Requirement Specification