**TEST PLAN :**

1. **Test Plan ID:** Katalon Amazon Project
2. **Introduction:** Amazon is an American multinational technology company focusing on e-commerce, cloud computing, online advertising, digital streaming, and artificial intelligence web site for searching a product and order as per end user wish list. It has been often referred to as "one of the most influential economic and cultural forces in the world, and is often regarded as one of the world's most valuable brands. It is considered one of the Big Five  American technology companies, alongside Alphabet (parent\_company\_of Google), Apple, Meta (formerly Facebook, Inc.) and Microsoft. Amazon also distributes a variety of downloadable and streaming content through its Amazon Prime Video, Amazon Music, Twitch, and Audible units.
3. **Test Items:** Amazon login, Search for product, Add product to cart, View and navigate to different tab, Logout
4. **Features to Be Tested:** Amazon login, Search for product, Add product to cart, View and navigate to different tab, Logout
5. **Features not to be tested:** NA
6. **Approach:** Using Katalon studio
7. **Features Pass/Fail Criteria:** When above features are pass and when they fail
8. **Suspension Criteria:** Possible abnormal situations arose during testing of above features. Without recovering from these situations, you are not able to conduct testing.
9. **Test Environment:** Katalon Studio, Google, Amazon website.
10. **Test Deliverables:** Required test documents to be prepared during testing (Test Cases, Test Procedures, Test Log, Test Report). Attached in remaining folders.
11. **Test Tasks:** Business Requirements, Analyzing of requirements, Test Planning.
12. **Staff and Training Needs:** K. Sri Ram, SmartInternz Platform
13. **Responsibilities:** Overall project completion
14. **Schedule:** Mentioned below
15. **Risks and Mitigations:** Analyze risks and possible solution to overcome them
16. **Approvals:** Signatures of Test Plan Author and PM/QA
17. **Test Plan Id:** Katalon Amazon Project
18. **Introduction:**

* 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.

1. **Test Items:**

* User Login
* Searching for a product
* Changing delivery location
* Add to cart
* Adding new address

1. **References:**

* Requirements
* Project Plan
* Test Strategy
* Use cases
* High level Design Documents
* Low Level Design Documents
* Process Guide line document
* Prototypes

1. **Features to be tested:**
   1. User Login
2. Verify that users can login with valid credentials (email and password).
3. Verify that users can reset their password in case they forget it.
4. Verify that appropriate error messages are displayed for incorrect login attempts.
   1. Searching for a product:
5. Verify that users can search for products.
6. Verify that search results display relevant products.
7. Verify that users can filter and sort search results based on different parameters.
   1. Changing delivery location:
      * 1. Verify that users can view the current location
        2. Verify that the user can change the location
   2. Add Product to cart
8. Verify that users can add products to their cart and view the cart contents.
9. Verify that users can update the quantity or remove products from the cart.
   1. Add new address:
10. The user should be able to see the delivery address.
11. The user should be able to add the new address..

**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

Etc…

**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) Roles and Responsibilities:**

| **S.NO** | **NAME** | **ROLE** | **RESPONSIBILITIES** | **REMARKS** |
| --- | --- | --- | --- | --- |
| 1 | K. Sri Ram | Test Lead | Test planning, guidance, Monitoring and test control |  |
| 2 | K. Sri Ram | Sr. Tester | Test data collection, Generating test scenarios |  |
| 3 | K. Sri Ram | Tester | Test case documentation, test execution, defect reporting and tracking for admin module |  |
| 4 | K. Sri Ram | Tester | Test case documentation, test execution, defect reporting and tracking for Personal banking module |  |
| 5 | K. Sri Ram | Tester | Test case documentation, test execution, defect reporting and tracking for Corporate banking module |  |

**11) Schedule:**

| **SNO** | **TASK** | **DAYS** | **DURATION** | **REMARKS** |
| --- | --- | --- | --- | --- |
| 1 | Understanding and Analyzing requirements | 2 | 8th Jan to 9th Jan |  |
| 2 | Review meeting | 1 | 10th Jan |  |
| 3 | Generating Test scenarios | 2 | 11th Jan to 12ndJan |  |
| 4 | Reviews | 2 | 13th Jan to 14th Jan |  |
| 5 | Test case Documentation | 1 | 15th Jan |  |
| 6 | Reviews | 1 | 16th Jan |  |
| 7 | Test data collection | 1 | 17th Jan |  |
| 8 | Reviews | 1 | 17th Jan |  |
| 9 | Verifying Test Environment Setup | 1 | 18th Jan |  |
| 10 | Create Test Batches | 1 | 19th Jan |  |
| 11 | Sanity Testing | 1 | 19th Jan |  |
| 12 | Comprehensive testing | 1 | 20th Jan |  |
| 13 | Sanity Testing | 1 | 20th Jan |  |
| 14 | Selecting Test Cases | 1 | 20th Jan |  |
| 15 | Regressing Testing | 2 | 21th Jan to 22th Jan |  |
| 16 | Sanity Testing | 1 | 23th Jan |  |
| 17 | Selecting Test Cases | 1 | 24th Jan |  |
| 18 | Regression Testing cycle -2 | 2 | 25th Jan to 26th Jan |  |
| 19 | . |  |  |  |
| . | . |  |  |  |
| . | . |  |  |  |
| 28 | Final Regression | 1 | 26th Jan |  |
| 29 | Evaluating Exit Criteria | 1 | 27th Jan |  |
| 30 | Collecting all artifacts | 1 | 27th Jan |  |
| 31 | Test Summary Report | 1 | 28th Jan |  |

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

**12)Training:**

* Training program on Amazon Website
* Test Automation Training Using KatalonTool

**13) Risks and Mitigations: NA**

**14) Test Environment/ Lab:**

Application Type: Web Application, Internet and public

*Server Side:*

* Windows 10/11
* Support all frontend frameworks
* MS Office
* Katalon Tool, etc…
* Browser IE 7.0

*Client side:*

* Windows xp+sp2
* Support all front-end frameworks: ReactJS, AngularJS
* Ms-Office
* Cross-browser compatibility: Chrome, Firefox, Safari, Edge

*AUT Environment:*

* REST
* SOAP
* GraphQl
* SQL server 2005 for database server

**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 | Matha (Test Lead) |  |
| 2 | Review | Hari Prasad (Quality analyst) |  |
| 3 | Approval | Vinod Rao (Project Manager) |  |

**17) Glossary**

AUT- Application Under Test

PIN- Project initiation note

SRS- Software Requirement Specification