A Sample Test Plan Document for Amazon Application:

1. **Test Plan Id: Amz\_ST\_TP\_001**
2. **Introduction:**

* The purpose of this document is to outline the test plan for the automation testing of software applications within the Amazon ecosystem
* The goal is to ensure the reliability, functionality, and performance of the software, providing a seamless and secure experience for users
* This test plan encompasses the automation testing efforts for various Amazon software applications.
* Validate the functionality of Amazon software applications through automated test scripts.
* The test environment will replicate the production environment as closely as possible, ensuring consistency and reliability of test results. It will include various browsers, devices, and operating systems.

1. **Test Items:**

* Sign in page
* Home page
* Search Functionality
* Product Details Page
* Wish list Page
* Checkout Payment Page
* My Order Page
* Customer Service Page

1. **References:**

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

1. Features to be tested:
   1. User Registration and Sign in/Login page:
      * 1. Validate the registration process.
        2. Verify user login functionality.
        3. Test password recovery and reset processes.
   2. Product Search and Navigator:
      * 1. Ensure accurate search results for various queries.
        2. Test product sorting and filtering options.
        3. Validate the navigation through different product categories.

d) **Product Details and Reviews:**

1. Verify the accuracy of product details.
2. Test the display of customer reviews and ratings.

3. Check for the functionality of adding and viewing reviews.

Etc….

**e) Shopping Cart and Checkout:**

1.Test adding/removing items from the shopping cart.

2.Validate the checkout process,

3.Including payment and shipping options.

4.Check order confirmation and receipt generation.

Etc….

f) **Wishlist:**

1.Validate the addition and removal of items from the Wishlist.

2.Test the functionality to move items from Wishlist to cart.

Etc…

**g) Mobile Responsiveness:**

1.Test the application's responsiveness on various devices.

2.Ensure the mobile version provides a seamless user experience.

**h) Security Features:**

1.Validate secure handling of user data.

2.Test for protection against common security vulnerabilities (e.g., XSS, CSRF).

3.Check for secure connection (HTTPS) throughout the application.

**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:**

Show –stopper bug found

Supplier issues

Vast changes in requirements

If resolving defects are more

**10) Roles and Responsibilities:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **NAME** | **ROLE** | **RESPONSIBILITIES** | **REMARKS** |
| 1 | Durgesh Kumar Prajapati | Test Lead | Test planning, guidance, Monitoring and test control |  |
| 2 | Durgesh Kumar  Prajapati | Sr. Tester | Test data collection, Generating test scenarios |  |
| 3 | Durgesh Kumar Prajapati | Tester | Test case documentation, test execution, defect reporting and tracking for admin module |  |
| 4 | Durgesh Kumar Prajapati | Tester | Test case documentation, test execution, defect reporting and tracking for Personal banking module |  |
| 5 | Durgesh Kumar  Prajapati | 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 | 5 | **6 to** Jan to 7thjan |  |
| 2 | Review meeting | 1 | 8thjan |  |
| 3 | Generating Test scenarios | 10 | 9thjan |  |
| 4 | Reviews | 02 | 10thjan |  |
| 5 | Test case Documentation | 40 | 11thJan to 12th Jan |  |
| 6 | Reviews | 04 | 13th Jan |  |
| 7 | Test data collection | 6 | 15th Jan to 16th Jan |  |
| 8 | Reviews | 1 | 17th Jan |  |
| 9 | Verifying Test Environment Setup | 1 | 18th Jan |  |
| 10 | Create Test Batches | 02 | 19th Jan |  |
| 11 | Sanity Testing | 1 | 20rdJan |  |
| 12 | Comprehensive testing | 25 | 22th Jan |  |
| 13 | Sanity Testing | 1 | 23rd Jan |  |
| 14 | Selecting Test Cases | 2 | 24th Jan |  |
| 15 | Regressing Testing | 05 | 25th Jan |  |
| 16 | Sanity Testing | 1 | 26thJan |  |
| 17 | Selecting Test Cases | 1 | 27th Jan |  |
| 18 | Regression Testing cycle -2 | 4 | 28th Jan |  |
| 19 | . |  |  |  |
| . | . |  |  |  |
| . | . |  |  |  |
| 28 | Final Regression | 8 | 29th Jan |  |
| 29 | Evaluating Exit Criteria | 1 or 2 | 29th, 30thJan |  |
| 30 | Collecting all artifacts | 2 | 29th ,31th Dec |  |
| 31 | Test Summary Report | 1 | 31th Jan |  |

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

**12)Training:**

* Training program on Amazon Application Domain
* Test Automation Training Using HP UFT 8 Tool

**13) Risks and Miligations**

* Team member’s issues
* Vendors issues
* Time
* Budget

**14) Test Environment/ Lab:**

Application Type: Web Application, Internet and public

*Server Side:*

* Windows 11 server
* UNIX server
* MS Exchange server a) webserver b) EDP c) Data storage
* Katalon Studio
* MS Office 2013
* HP UFT8 Tool etc.

*Client side:*

* Windows xp+sp2
* VSS
* Ms-Office
* HP UFT8

*AUT Environment:*

* **Application Version**
* **Server Configuration**
* **Third-Party Integrations**

**15) Test Deliverables:**

* Test Plan
* Review reports
* 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 | Dr T Mamatha (Test Lead) |  |
| 2 | Review | Dr T Mamatha (Quality analyst) |  |
| 3 | Approval | Dr T Mamatha (Project Manager) |  |

**17) Glossary**

AUT- Application Under Test

SRS- Software Requirement Specification