**TEST PLAN IEEE FORMAT:**

1. **Test Plan ID:**

**OSS\_ST\_TP\_001** (Online Shopping Site\_Software testing\_Test Plan\_001)

1. **Introduction:**

This document outlines the test plan for a comprehensive evaluation of the Amazon application using Katalon Studio, a powerful automation testing tool. Through a combination of automated and manual testing techniques, we aim to ensure the application functions seamlessly, delivers a positive user experience, and adheres to security and performance standards.

* It is system Test Plan for Online Shopping Site, internet web application, provides access to Various Users and Sellers from any where in the world.
* It has various interfaces like Admin interface, user interface.
* Admin can be accesses by authorized users mainly the people working in amazon, e.g. the Developers, Testers etc. and, user interface can be accessed by Everyone.
* The purpose of the system(Application) is to provide Products and services online (through internet), Users can get product & services from anywhere, without visiting the Shopping sites physically.

By effectively outlining the testing process and leveraging Katalon Studio's capabilities, this plan aims to achieve a comprehensive evaluation of the Amazon application, ultimately contributing to its success and user satisfaction.

1. **Test Items:**

* **SignIn**
* **SignUp**
* **Wishlist**
* **Order Confirmation**
* **Search Icon**
* **Recommendations**
* **Order Tracking**
* **New Releases**
* **Menu**
* **Payment Options**
* **HyperLinks**
* **Change Country/Region**
* **Amazon Music**
* **Kindle**
* **Amazon Appstore**
* **Gift Cards**
* **Sell Corner**
* **Customer Service**

1. **Features to Be Tested:**

* **Username Input Box**
* **Password Input Box**
* **SignIn Button**
* **Orders Button**
* **Wishlist Button**
* **Search Box**
* **Kindle Button**

1. **Features Not to Be Tested:** NA
2. **Approach:**

* Boundary Value Analysis
* Equivalence partition
* Random testing
* Regression testing

1. **Features Pass/Fail Criteria:** When above features are pass and when they fail

|  |  |  |
| --- | --- | --- |
| **Features** | **Pass Criteria** | **Fail Criteria** |
| **SignIn** | User is able to enter username  & password successfully, and  Is authorized if details are correct, not authorized if details are incorrect | User is not able to enter username & password  Or if they are not able to signin with correct details |
| **SignUp** | User is able to enter details successfully, application allows numeric format for mobile no. alphanumeric for email, alpha format for name.  User is sent confirmation code successfully and account is created successfully if the authorization code is correct | User isn’t able to enter any/all of the sign up details.  Or if mobile number is taking inputs as alphanumeric or alpha only  Or if user is not authorized with correct authorization code.  Or if authorization code is not sent. |
| **WishList** | User is directed to wishlist once he clicks on the button.  User can add items to wishlist. | User is not able to click on wishlist button.  User is not directed to wishlist.  User cannot add items to wishlist. |
| **Order Confirmation** | User can click on Your Orders.  User can see the delivery details of items ordered in the Orders Section.  User can navigate to different items in Your Orders. | User cannot click on Your Orders.  User is not able to see the details of the ordered items. |
| **Search Icon** | User is able to enter a search item in search box.  User is able to find all relevant search results after clicking on magnifying glass icon.  User is able to click on various results and check their details. | User isn’t able to enter a search item.  User isn’t able to find any/all of relevant search results.  User isn’t able to navigate through any search result. |
| **Recommendations** |  |  |
| **Order Tracking** | User is able to click on Track Orders.  User is shown the current updated status of the ordered item, along with the date of delivery. | User is unable to click on Track orders.  User cannot see the status of the ordered item. |
| **New Releases** |  |  |
| **Menu** |  |  |
| **Payment Options** | User is directed to the payment portal of various available UPI’s.  Once Payment is done successfully, the amazon application validates it within fraction of seconds. | User is not redirected to payment portal.  Payment status is not reflected in amazon application. |
| **Hyperlinks** | User is able to navigate through hyperlinks. | User is not able to navigate through hyperlinks. |
| **Change Country/Region** | User is able to click on Change Country/Region and is able to select the region of their choice.  The language and flag is changed immediately to their region. | User is not able to click on Change Country/Region.  Language and Flag is not changed after selection. |
| **Amazon Music** | User is able to click on Amazon Music.  User is able to stream music by various available streams. | User is unable to open Amazon Music.  User cannot play any music. |
| **Kindle** | User can navigate to Kindle Section.  User can search and buy books of their choice.  On clicking Buy now, they are redirected to payment page and Kindle subscription is reflected to their account immediately. | User cannot navigate to Kindle Section.  User cannot search and buy Books of their choice.  Payment status is not reflected in the users’ Kindle. |
| **Amazon Appstore** | User is able to search any app successfully.  User is able to navigate through and download any app successfully after purchase. | User is unable to search any app successfully.  User is unable to navigate through and download any app successfully after purchase. |
| **Gift Cards** | User is able to open Gift Card Section.  Points are added to users account once Gift Card is redeemed successfully.  If wrong gift code is entered, application shows invalid code. | User is unable to open Gift Card Section.  Points are not added to users account once Gift Card is redeemed successfully.  If wrong gift code is entered, application doesn’t show invalid code. |
| **Sell Corner** | User can click on sell corner.  User can add items to his cart.  User can Modify details of the items in his cart. | User cannot click on sell corner.  User cannot add items to his cart.  User cannot Modify details of the items in his cart. |
| **Customer Service** | User is able to navigate through various sections.  User is able to raise a query. | User is unable to navigate through various sections.  User is unable to raise a query. |
|  |  |  |

1. **Suspension Criteria:** NIL
2. **Test Environment:**

* **Device Specifications**

**Processor:** 11th Gen Intel(R) Core(TM) i3-1115G4 @ 3.00GHz 3.00 GHz

**Installed RAM:** 12.0 GB (11.7 GB usable)

**System Type:** 64-bit operating system, x64-based processor

* **Windows Specifications**

**Edition:** Windows 11 Home Single Language

**Version:** 22H2

* **Katalon Specifications**

**Build:** 212

**Version:** 9.1.0

1. **Test Deliverables:** 
   * + 1. Test plan
       2. Test cases
       3. Test log
       4. Test reports
2. **Test Tasks:** necessary tasks to do before starting of every project testing
3. **Staff and Training Needs:** The names of test engineers and required training sessions
4. **Responsibilities:** Work allocation in terms of test engineers Vs Modules
5. **Schedule:** Dates and Times
6. **Risks and Mitigations:** Analyze risks and possible solution to overcome them
7. **Approvals:** Signatures of Test Plan Author and PM/QA

A Sample Test Plan Document for Internet Banking Application:

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

* It is system Test Plan for internet Banking System, internet web application, provides access to account holders and guest users from any where in the world.
* It has two interfaces one is Admin interface another is user interface.
* Admin can be accesses by Bank authorized users, user interface can be accessed by Bank account holders and guest users.
* The purpose of the system(Application) is to provide bank information and services online (through internet), Bank account holders can get banking services from anywhere, without visiting the bank branches.

1. **Test Items:**

* Admin Interface:
* Master Data
* User Interface
* Information
* Personal Banking
* Corporate Banking
* Business

1. **References:**

* Requirments
* 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. Admin Interface:
      1. Master Data
         1. Add new branch, edit branch/Delete branch
         2. Add new ATM
         3. Add new loan type
         4. Add new account type
         5. Add new deposit type
      2. User Management
         1. Create New user
         2. Edit user
         3. Delete user

Etc…

* + 1. Reports
       1. Branch wise report
       2. User wise report
       3. Day, month,yearly reports
       4. Service wise report(only loans, only new account, fixed deposits)

b) User Interface:

I)Information

1. Branch locators
2. ATM locators

3. Loans information

* + - 1. Bank history
      2. Bank Financial details
      3. Fixed deposits information
      4. Calculators

Etc….

II)Personal Banking

Login

Balance enquiry

Bill payment (utilities, subscriptions0

Fund transfer (transfer to same bank, other banks)

Statement generation (mini statement, detailed report)

Etc….

* + 1. Corporate Banking
       1. Add user, edit user, delete user
       2. Balance enquiry
       3. Money transfer
       4. Payroll
       5. Reports

Etc…

**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 Resposibilities:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **NAME** | **ROLE** | **RESPONSIBILITIES** | **REMARKS** |
| 1 | T Mamatha | Test Lead | Test planning, guidance, Monitoring and test control |  |
| 2 | A Ritvikasai | Sr. Tester | Test data collection, Generating test scenarios |  |
| 3 | A vinay | Tester | Test case documentation, testexecution, defect reporting and tracking for admin module |  |
| 4 | Srinivas V | Tester | Test case documentation, testexecution, defect reporting and tracking for Personal banking module |  |
| 5 | Suneetha B | Tester | Test case documentation, testexecution, defect reporting and tracking for Corporate banking module |  |

**11) Schedule:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SNO** | **TASK** | **DAYS** | **DURATION** | **REMARKS** |
| 1 | Understanding and Analyzing requirements | 5 | 2ndjuly to 6thjuly |  |
| 2 | Review meeting | 1 | 9thjuly |  |
| 3 | Generating Test scenarios | 10 | 11thjuly to 22ndjuly |  |
| 4 | Reviews | 02 | 25thjuly to 26thjuly |  |
| 5 | Test case Documentation | 40 | 29thjuly to 12th august |  |
| 6 | Reviews | 04 | 14th august to 18th august |  |
| 7 | Test data collection | 6 | 20th august to 26th august |  |
| 8 | Reviews | 1 | 28th august |  |
| 9 | Verifying Test Environment Setup | 1 | 29th august |  |
| 10 | Create Test Batches | 02 | 30th 31st Aug |  |
| 11 | Sanity Testing | 1 | 3rdseptember |  |
| 12 | Comprehensive testing | 25 | 4thsep to 2nd October |  |
| 13 | Sanity Testing | 1 | 3rd October |  |
| 14 | Selecting Test Cases | 2 | 4th and 5th October |  |
| 15 | Regressing Testing | 05 | 8th October to 12th October |  |
| 16 | Sanity Testing | 1 | 15th October |  |
| 17 | Selecting Test Cases | 1 | 16th October |  |
| 18 | Regression Testing cycle -2 | 4 | 17th October to 22nd October |  |
| 19 | . |  |  |  |
| . | . |  |  |  |
| . | . |  |  |  |
| 28 | Final Regression | 8 | 19th November to 28thnovember |  |
| 29 | Evaluating Exit Criteria | 1 or 2 | 29th , 30thnov |  |
| 30 | Collecting all artifacts | 2 | 3rd ,4th Dec |  |
| 31 | Test Summary Report | 1 | 5th Dec |  |

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

**12)Training:**

* Training program on Banking Domain
* Test Automation Training Using HP UFT 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 2003 server
* UNIX server
* MS Exchange server a) webserver b) EDP c) Data storage
* Bugzilla tool
* VSS
* MS Office
* HP UFT Tool etc
* Browser IE 7.0

*Client side:*

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

*AUT Environment:*

* .NET(c#,VC++,ADO)
* IIS- web server
* COM+ - APP server
* 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 | Kareemull (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