**Test Plan Document for Amazon (AUT)**

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

* It is a Functional Test Plan for E-Commerce website i.e. Amazon, which provides access to all the available materials to users from anywhere in the world.
* It has two interfaces one is for Business/Shop Interface another is for User Interface.
* The Business/Shop interface lets the merchant to add products to the website and track their sells and demands while the user interface is for the user who wish to buy any products and visits the 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 Registration
* User Sign in
* Category And Item Selection Search Bar for item browsing
* Shopping Cart Functionality
* Placing Confirming an Order

1. **References:**

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

1. **Features to be tested:**
   * + 1. User Registration:
   1. Verify that users can register with valid details such as name, email, and password.
   2. Verify that users cannot register with invalid or duplicate email addresses.
   3. Verify that mandatory fields are properly validated and error messages are displayed for missing or invalid information.
   4. Verify that users receive confirmation emails after successful registration.
      * 1. User Login
   5. Verify that users can login with valid credentials (email & password).
   6. Verify that users cannot login with invalid or incorrect credentials.
   7. Verify that users can reset their password in case they forget it.
   8. Verify that appropriate error messages are displayed for incorrect login attempts.  
      * 1. Product browsing and searching:
   9. Verify that users can search for products based on various criteria such as keywords, categories, brands, etc.
   10. Verify that search results display accurate and relevant products.
   11. Verify that users can filter and sort search results based on different parameters.
       * 1. Shopping cart functionality
   12. Verify that users can add products to their cart and view the cart contents.
   13. Verify that users can update the quantity or remove products from the cart.
   14. Order confirmation  
       * 1. Order Confirmation
   15. Verify that users receive order confirmation emails after successful purchases
2. **Features not to be tested:** NA
3. **Entry Criteria:**
4. Test Design:

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

1. Test Execution

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

1. **Exit Criteria:**
   * All possible test cases executed
   * Maximum defect fixed; final regression performed successfully
   * Confidence on test process
   * Time limitations
   * Budget limitations
2. **Suspension criteria:** NA
3. **Roles and Responsibilities:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **NAME** | **ROLE** | **RESPONSIBILITIES** | **REMARKS** |
|  | Avinash Yadav | Test Lead | Test planning, guidance, Monitoring and test control |  |
|  | Avinash Yadav | Sr. Tester | Test data collection, Generating test scenarios |  |
|  | Avinash Yadav | Tester | Test case documentation, test execution, defect reporting and tracking for admin module |  |
|  | Avinash Yadav | Tester | Test case documentation, test execution, defect reporting and tracking for Personal banking module |  |
|  | Avinash Yadav | Tester | Test case documentation, test execution, defect reporting and tracking for corporate banking module |  |

1. **Schedule:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **TASK** | **DAYS** | **DURATION** | **REMARKS** |
|  | Understanding and Analyzing requirements | 3 | 4th Jan to 6th Jan |  |
|  | Review meeting | 1 | 7th Jan |  |
|  | Generating Test scenarios | 2 | 8th Jan to 9th Jan |  |
|  | Reviews | 1 | 10th Jan |  |
|  | Test case Documentation | 1 | 11th Jan |  |
|  | Reviews | 1 | 12th Jan |  |
|  | Test data collection | 1 | 13th Jan |  |
|  | Reviews | 1 | 14th Jan |  |
|  | Verifying Test Environment Setup | 1 | 15th Jan |  |
|  | Create Test Batches | 1 | 16th Jan |  |
|  | Sanity Testing | 1 | 17th Jan |  |
|  | Comprehensive testing | 1 | 18th Jan |  |
|  | Sanity Testing | 1 | 19th Jan |  |
|  | Selecting Test Cases | 1 | 20th Jan |  |
|  | Regressing Testing | 1 | 21st Jan |  |
|  | Sanity Testing | 1 | 22nd Jan |  |
|  | Selecting Test Cases | 1 | 23rd Jan |  |
|  | Regression Testing cycle -2 | 1 | 24th Jan |  |
| . | . | . | . |  |
| . | . | . | . |  |
| . | . | . | . |  |
| 28. | Final Regression | 1 | 25th Jan |  |
| 29. | Evaluating Exit Criteria | 1 | 26th Jan |  |
| 30. | Collecting all artifacts | 1 | 27th Jan |  |
| 31. | Test Summary Report | 1 | 28th Jan |  |

1. **Training:**

* Training program on E-Commerce Domain
* Test Automation Training Using Katalon

1. **Risks and Mitigations:** NA
2. **Test Environment/ Lab:**

* Application Type:
* Web Application
* Stable Internet Connectivity
* *Server Side:*
* Windows 2003 server
* UNIX server
* MS Exchange server

1. Webserver
2. EDP
3. Data storage

* Bugzilla tool
* VSS
* MS Office
* HP UFT Tool etc.
* Browser IE 7.0
* *Client side:*
* Windows 8.0 or Above
* VSS
* MS Office
* *AUT Environment:*
* .NET (c#, VC++, ADO)
* IIS- web server
* COM+ - APP server
* SQL server 2005 for database server

1. **Test Deliverables:**

* Test Plan
* Review reports
* Test Scenario docs
* Test Case Docs
* Test data
* Test summary report

1. **Approvals:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.NO** | **TASK/S** | **AUTHOR/ RULE** | **DATE & SIGNATURE** |
|  | Test plan documentation | Kareem Ulla (Test Lead) |  |
|  | Review | Hari Prasad (Quality analyst) |  |
|  | Approval | Vinod Rao (Project Manager) |  |

1. **Glossary**

AUT- Application Under Test

PIN- Project initiation note

SRS- Software Requirement Specification