Test Plan Document for Amazon E-commerce Application:

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

* It is system Test Plan for Amazon E-commerce Application, that allows users worldwide to access and utilize various features.
* Amazon, one of the world's largest and most diverse e-commerce and technology companies, continually strives to provide a seamless and secure online shopping experience for millions of users globally.
* The robustness of the Amazon platform relies heavily on rigorous testing procedures to ensure that its software meets the highest standards of quality, reliability, and performance.

1. **Test Items:**

* Home Page
* Verify Login Functionality
* Change Product Categories
* Logout Functionality
* Validate Login

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:**

**Home Page:**

1. Access the home page.
2. Confirm the presence of key elements (navigation bar)
3. Validate that all visible links and buttons are functional.

**Verify Login Functionality:**

1. Navigate to the login page.
2. Enter valid login credentials.
3. Click the "Login" button.
4. Verify successful redirection to the user account dashboard.

**Change Product Categories:**

1. Access the home page.
2. Select a different product category.
3. Validate the correct display of products within the selected category.
4. Verify that the URL or navigation path reflects the chosen category.

**Logout Functionality:**

1. Navigate to the user account dashboard.
2. Click on the "Logout" button.
3. Confirm redirection to the login page.
4. Attempt to access a secure page to ensure proper logout.

**Validate Login:**

1. Attempt to log in with invalid credentials.
2. Verify appropriate error messages are displayed.
3. Test for account lockout after multiple failed login attempts.
4. Verify that the system does not allow access with incorrect credentials.

**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 | Anup Bamrel | Test Lead | Test planning, guidance, Monitoring and test control |  |
| 2 | Anup Bamrel | Sr. Tester | Test data collection, Generating test scenarios |  |
| 3 | Anup Bamrel | Automation Tester | Design, implement, and maintain automated test scripts to enhance testing efficiency. |  |
| 4 | Anup Bamrel | Tester | Test case documentation, test execution, defect reporting and tracking for home page |  |
| 5 | Anup Bamrel | Tester | Test case documentation, test execution, defect reporting and tracking for login page |  |
| 6 | Anup Bamrel | Tester | Test case documentation, test execution, defect reporting and tracking for change product categories. |  |
| 7. | Anup Bamrel | Environment Manager | Set up and manage the test environment, ensuring it aligns with project requirements and goals. |  |

**11) Schedule:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SNO** | **TASK** | **DAYS** | **DURATION** | **REMARKS** |
| 1 | Understanding and Analyzing requirements | 2 | 5th Jan to 6th Jan |  |
| 2 | Generating Test scenarios | 3 | 7th Jan to 9th Jan |  |
| 3. | Test case Documentation | 4 | 10th Jan to 13th Jan |  |
| 4. | Sanity Testing | 1 | 14th Jan |  |
| 5. | Comprehensive testing | 6 | 15th Jan to 21st Jan |  |
| 6. | Final Regression | 3 | 22nd Jan to 25th Jan |  |
| 7. | Evaluating Exit Criteria | 1 | 26th Jan |  |
| 8. | Collecting all artifacts | 1 | 27th Jan |  |
| 9. | Test Summary Report | 1 | 28th Jan |  |

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

**12)Training:**

* Training program on E-commerce domain
* Test Automation Training Using Katalon Studio

**13) Risks and Mitigations:** NIL

**14) Test Environment/ Lab:**

**Hardware System:** Standard PCs

**Software:**

* Support all front-end frameworks: ReactJS, AngularJS, VueJS
* Cross-browser compatibility:
  + - Chrome (Version 120.0.6099.199 (Official Build) (arm64))
    - Safari, Firefox, Edge

**15) Test Deliverables:**

* Test Plan
* Test Cases
* Test log
* Test 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 | Katalon Team (Project Manager) |  |

**17) Glossary**

AUT- Application Under Test

PIN- Project initiation note

SRS- Software Requirement Specification