Test Plan Document for Amazon (AUT)

**TEST PLAN IEEE FORMAT:**

* **Test Plan ID: Amazon\_ST\_TP\_001**
* **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.
* **Test Items:** 
  + User Registration
  + User Sign in
  + Category And Item Selection Search Bar for item browsing
  + Shopping Cart Functionality
  + Browsing History Functionality
  + Shopping List Functionality
* **Features to Be Tested:**
  + User Registration:
    - Verify that users can register with valid details such as name, email, and password.
    - Verify that users cannot register with invalid or duplicate email addresses.
    - Verify that mandatory fields are properly validated and error messages are displayed for missing or invalid information.
    - Verify that users receive confirmation emails after successful registration.
  + User Login
    - Verify that users can login with valid credentials (email & password).
    - Verify that users cannot login with invalid or incorrect credentials.
    - Verify that users can reset their password in case they forget it.
    - Verify that appropriate error messages are displayed for incorrect login attempts.
  + Product browsing and searching:
    - Verify that users can search for products based on various criteria such as keywords, categories, brands, etc.
    - Verify that search results display accurate and relevant products.
    - Verify that users can filter and sort search results based on different parameters.
  + Shopping cart functionality
    - Verify that users can add products to their cart and view the cart contents.
    - Verify that users can update the quantity or remove products from the cart.
  + User Interface:
    - Add to cart
    - Edit User Profile
    - Add To Shopping List
    - Address Update
    - Amazon Logo
    - Browsing History
    - Password Update
    - Remove from cart
    - Remove from Shopping List
  + Login
    - Sign In
    - Sign out
  + Signup
    - User Registration
* **Features Not to Be Tested:** NA
* Entry Criteria:
  + Test Design:
    - Team formation, Responsibilities, schedule, requirements, test case template
    - Training on domain, on automation tools
  + Test Execution
    - Readiness of test tab
    - Readiness of AUT
    - Requirements
    - Test case Documents
    - Test data
    - Defect Report Template
* Exit Criteria:
  + - All possible test cases executed
    - Maximum defect fixed; final regression performed successfully
    - Confidence on test process
    - Time limitations
    - Budget limitations
* **Suspension Criteria: NA**
* **Test Environment:** 
  + Application Type:
    - Web Application
    - Stable Internet Connectivity
  + Server Side:
    - * Windows 2003 server
      * UNIX server
      * MS Exchange server
      * Webserver
      * EDP
      * 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
  + **Test Deliverables:** 
    - Test Plan
    - Review reports
    - Test Scenario docs
    - Test Case Docs
    - Test data
    - Test summary report
* **Test Tasks:** necessary tasks to do before starting of every project testing
* **Staff and Training Needs:** NA
* **Roles and Resposibilities:**

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

* **Schedule:**

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| **SNO** | **TASK** | **DAYS** | **DURATION** | **REMARKS** |
| 1 | Understanding and Analyzing requirements | 5 | 10ndNov to 26thNov |  |
| 2 | Review meeting | 1 | 30thNov |  |
| 3 | Generating Test scenarios | 10 | 31thNov to 15th Dec |  |
| 4 | Reviews | 02 | 16nd Dec |  |
| 5 | Test case Documentation | 40 | 18th Dec to 25th Dec |  |
| 6 | Reviews | 04 | 18th Dec to 25th Dec |  |
| 7 | Test data collection | 6 | 26nd Dec to 30th Dec |  |
| 8 | Reviews | 1 | 2nd Jan |  |
| 9 | Verifying Test Environment Setup | 1 | 4th Jan |  |
| 10 | Create Test Batches | 02 | 5th 6th Jan |  |
| 11 | Sanity Testing | 1 | 7th Jan |  |
| 12 | Comprehensive testing | 25 | 8th Jan to 10nd Jan |  |
| 13 | Sanity Testing | 1 | 13th Jan |  |
| 14 | Selecting Test Cases | 2 | 14th and 15th Jan |  |
| 15 | Regressing Testing | 05 | 16th Jan to 17th Jan |  |
| 16 | Sanity Testing | 1 | 18th Jan |  |
| 17 | Selecting Test Cases | 1 | 19th Jan |  |
| 18 | Regression Testing cycle -2 | 4 | 20th Jan to 22nd October |  |
| 19 | Final Regression | 8 | 23th Jan to 25th Jan |  |
| 20 | Evaluating Exit Criteria | 1 or 2 | 26th ,27th Jan |  |
| 21 | Collecting all artifacts | 2 | 28th 29th Jan |  |
| 22 | Test Summary Report | 1 | 30 - 31th Jan |  |
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* **Risks and Mitigations:** NA
* **Approvals:**

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| **SNO** | **TASK/S** | **AUTHOR/ RULE** | **DATE & SIGNATURE** |
| 1 | Test plan documentation | Rushikesh Ingale (Test Lead) | Rushikesh Ingale |
| 2 | Review | Rushikesh Ingale (Quality analyst) | Rushikesh Ingale |
| 3 | Approval | Rushikesh Ingale (Project Manager) | Rushikesh Ingale |