<u>A Sample Test Plan Document for Amazon Application:</u>

1. **Test Plan Id: AM_ST_TP_001**
2. **Introduction:**
   - ✓ It is system Test Plan for Amazon Application. This test plan covers the system testing of the Amazon application, which includes both the website and mobile app interfaces. The testing scope encompasses functional, performance, security, and usability aspects.
   - ✓ The purpose of this test plan is to define the testing strategy and approach for the Amazon application. The application serves as an online retail platform, providing access to users worldwide for shopping, managing accounts, and accessing various services.
   - ✓ It has two interfaces one is Admin interface another is user interface.
   - ✓ Admin Interface can be accessed by authorized personnel for managing the overall system, inventory, and configuration settings.
   - ✓ User Interface can be accessed by registered Amazon account holders and guest users for browsing, shopping, and managing their accounts.
   - ✓ Key functionalities include product browsing, search, account creation, order placement, payment processing, and order tracking.
3. **Test Items:**
   - ✓ Sign in
   - ✓ New User Registration
   - ✓ Search for an Item
   - ✓ Adding an Item to Cart
4. **References:**
   - ✓ Requirements
   - ✓ Project Plan
   - ✓ Test Strategy
   - ✓ Use cases (if available)
   - ✓ High level Design Documents
   - ✓ Low Level Design Documents
   - ✓ Process Guide line document
   - ✓ Prototypes
5. **Features to be tested:**
   a. Admin Interface:
      I) Inventory Management
         1. Verify the addition, modification, and removal of products.
         2. Test inventory tracking and alerts.
      II) User Management
         1. Validate admin user login and access control.

2. Test user role assignments.
  b. User Interface:
    I) Homepage and Navigation
      1. Verify the functionality of the homepage.
      2. Test navigation links and menus.
    II) User Account Management
      1. Sign In
        - Test user login functionality.
        - Verify authentication and redirection.
      2. New Registration
        - Test user registration process.
        - Verify email confirmation and account activation.
    III) Product Search and Browsing
      1. Test the search functionality for accuracy and speed.
      2. Verify product categories and filters.
    IV) Shopping Cart Management
      1. Add, update, and remove items from the shopping cart.
      2. Validate the calculation of totals.

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	Nikhil Kumar	Test Lead	Test planning, guidance, Monitoring and test control	
2	Nikhil Kumar	Sr. Tester	Test data collection, Generating test scenarios	
3	Nikhil Kumar	Tester	Test case documentation, test execution, defect reporting and tracking for admin module	
4	Nikhil Kumar	Tester	Test case documentation, test execution, defect reporting and to verify the functionality of the homepage.	
5	Nikhil Kumar	Tester	Test case documentation, test execution, defect reporting and document test cases for testing search functionality, ensuring accuracy and speed.	
6	Nikhil Kumar	Tester	Create test cases to ensure the accuracy of product details.	
7	Nikhil Kumar	Tester	Specify test cases for adding, updating, and removing items from the shopping cart.	

11) Schedule:

SNO	TASK	DAYS	DURATION	REMARKS
1	Understanding and Analyzing requirements	03	5th dec to 7th dec	
2	Review meeting	01	8th dec	
3	Generating Test scenarios	02	9th dec to 10th dec	
4	Reviews	01	11th dec	
5	Test case Documentation	04	12th dec to 15th dec	
6	Reviews	01	16th dec	
7	Test data collection	02	17th dec to 18th dec	
8	Reviews	01	19th dec	
9	Verifying Test Environment Setup	01	20th dec	
10	Create Test Batches	01	21st dec	
11	Sanity Testing	01	22nd dec	

12	Comprehensive testing	04	23rd dec to 26th dec	
13	Sanity Testing	01	27th dec	
14	Selecting Test Cases	01	28th dec	
15	Regressing Testing	02	29th dec to 30th dec	
16	Sanity Testing	01	31st dec	
17	Selecting Test Cases	01	1st jan	
18	Regression Testing cycle -2	05	2nd jan to 6th jan	
19	.			
.	.			
.	.			
28	Final Regression	05	20th jan to 24th jan	
29	Evaluating Exit Criteria	02	25th jan to 26th jan	
30	Collecting all artifacts	01	27th jan	
31	Test Summary Report	01	28th jan	

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

12) Training: (5th dec- 28th jan)

- Training program on Amazon Domain
- Test Automation Training Using HP UFT Tool

13) Risks and Mitigations: NIL

14) Test Environment/ Lab:

Application Type: Web Application, Internet and public

Client Side:

- Windows 2022 server
- MS Exchange server a) webserver b) EDP c) Data storage
- Bugzilla tool
- Git
- MS Office
- HP UFT Tool
- Google Chrome : Version 120.0.6099.217

AUT Environment:

- Support all front-end frameworks: ReactJS, AngularJS, VueJS
- Cross-browser compatibility: Chrome, Firefox, Safari, Edge

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	Nikhil Kumar(Test Lead)	
2	Review	Hari Prasad (Quality analyst)	
3	Approval	Vinod Rao (Project Manager)	