**TEST PLAN IEEE FORMAT:**

1. **Test Plan ID**: AMAZON\_TP\_001

**2. Introduction:**

- This is the System Test Plan for the Amazon e-commerce platform, a web application that facilitates online buying and selling of products.

- The platform includes features for customers, sellers, and administrators.

- Customers can browse products, place orders, and manage their accounts.

- Sellers can manage their inventory, process orders, and view sales reports.

- Administrators can oversee the entire system, manage user accounts, and monitor system performance.

**3. Test Items:**

- Customer Interface

- Seller Interface

- Administrator Interface

- Product Management

- Order Processing

- Payment System

- Search and Navigation

- User Authentication

**4. References:**

- Requirements Specification

- Project Plan

- Test Strategy

- Use Cases

- High-Level Design Documents

- Low-Level Design Documents

- Process Guidelines

- Prototypes

**5. Features to be Tested:**

**a) Customer Interface:**

- User Registration and Login

- Product Browsing and Search

- Cart Management

- Order Placement and Tracking

- Account Management

**b) Seller Interface:**

- Seller Registration and Login

- Product Listing and Inventory Management

- Order Fulfillment

- Sales Reports

- Account Management

**c) Administrator Interface:**

- User Account Management

- System Monitoring and Performance

- Reporting and Analytics

**d) Product Management:**

- Product Addition, Editing, and Deletion

- Category Management

- Product Reviews and Ratings

**e) Order Processing:**

- Order Confirmation

- Payment Processing

- Shipping and Delivery

**f) Payment System:**

- Payment Gateway Integration

- Transaction Security

**g) Search and Navigation:**

- Search Functionality

- Navigation and Filters

**h) User Authentication:**

- Account Security

- Password Recovery

**6. Features Not to be Tested:** NA

**7. Entry Criteria:**

**a) Test Design:**

- Team Formation, Responsibilities, Schedule

- Requirement Understanding

- Test Case Template

- Training on E-commerce Domain

**b) Test Execution:**

- Test Environment Setup

- Availability of Requirements

- Test Case Documents

- Test Data

- Defect Report Template

**8. Exit Criteria:**

- Successful Execution of all Test Cases

- Maximum Defects Fixed

- Final Regression Testing Completed Successfully

- Confidence in Test Process

- Time and Budget Constraints

**9. Suspension Criteria:**

- Showstopper Bugs

- Vendor Issues

- Significant Changes in Requirements

- High Defect Resolution Effort

1. **Roles and Responsibilities:**

|  |  |  |  |
| --- | --- | --- | --- |
| S.NO | NAME | ROLE | RESPONSIBILITIES |
| 1 | [Test Lead] | Test Lead | Test Planning, Guidance, Monitoring, and Test Control |
| 2 | [Tester 1] | Sr. Tester | Test Data Collection, Generating Test Scenarios |
| 3 | [Tester 2] | Tester | Test Case Documentation, Test Execution, Defect Reporting for Customer Interface |
| 4 | [Tester 3] | Tester | Test Case Documentation, Test Execution, Defect Reporting for Seller Interface |
| 5 | [Tester 4] | Tester | Test Case Documentation, Test Execution, Defect Reporting for Administrator Interface |

1. **Schedule:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNO | TASK | DAYS | DURATION | REMARKS |
| 1 | Requirement Analysis | 5 | [Start Date - End Date] |  |
| 2 | Test Planning | 3 | [Start Date - End Date] |  |
| 3 | Test Design | 10 | [Start Date - End Date] |  |
| 4 | Test Execution | 30 | [Start Date - End Date] |  |
| 5 | Regression Testing | 10 | [Start Date - End Date] |  |
| 6 | Test Summary Report | 2 | [Start Date - End Date] |  |

**12. Training:**

- Training Program on E-commerce Domain

**13. Risks and Litigations:**

- Team Member Issues

- Vendor Issues

- Time Constraints

- Budget Constraints

**14. Test Environment/Lab:**

- Application Type: Web Application, E-commerce

- Server Side:

- Windows Server

- Apache Tomcat

- MySQL Database

- Bug Tracking Tool

- Version Control System

- Browser: Chrome, Firefox, Safari

- Client Side:

- Windows/Mac OS

- Browser: Chrome, Firefox, Safari

- AUT Environment:

- Java, Spring Framework

- HTML, CSS, JavaScript

- Payment Gateway Integration

1**5. Test Deliverables:**

- Test Plan

- Review Reports

- Requirements Traceability Matrix (RTM)

- Test Scenario Documents

- Test Case Documents

- Test Data

- Opened and Closed Defect Reports

- Test Summary Report

**16. Approvals:**

|  |  |  |  |
| --- | --- | --- | --- |
| SNO | TASK/S | AUTHOR/RULE | DATE & SIGNATURE |
| 1 | Test Plan | [Test Lead] | [Date and Signature] |
| 2 | Review | [Quality Analyst] | [Date and Signature] |
| 3 | Approval | [Project Manager] | [Date and Signature] |

**17. Glossary**:

- AUT: Application Under Test

- SRS: Software Requirement Specification

- RTM: Requirements Traceability Matrix