

Test Plan Document for Amazon Website:

1. Test Plan ID: AMAZON_SAT_Project

2. Introduction:

The purpose of this project report is to provide a comprehensive overview of the testing activities conducted for an e-commerce website, specifically focusing on the Amazon platform. This System Test Plan aims to ensure the reliability, functionality, and usability of the Amazon website's customer interface. The testing endeavors to address challenges impacting user experience, reliability, and functionality, including issues with product browsing, shopping cart management, and user account interactions. The ultimate goal is to mitigate negative impacts on customer satisfaction, revenue, and user trust.

3. Test Items:

I. Customer Interface:

- *Product Search*
- *Add to Cart*
- *Filter*
- *Login*
- *Tab Navigation*

4. References:

- *Requirements*
- *Specification*
- *Project Plan*
- *Test Strategy*

5. Features to be Tested:

I. Product Browsing:

- *Verify users can search for products based on various criteria such as keywords.*
- *Ensure search results display accurate and relevant products.*

II. Add To Cart:

- *Confirm users can search for specific products.*
- *Validate users can add selected products to the cart.*

III. Filter:

- *Ensure users can navigate to a product listing page.*
- *Verify users can apply specific filters, such as price range.*

IV. Login:

- *Validate user login functionality, including entering username and password.*

V. Tab Navigation:

- *Confirm users can search for products, navigate to product pages, and explore different tabs seamlessly.*

6. Features Not to be Tested: N/A

7. Entry Criteria:

a) Test Design:

- *Team formation, responsibilities, schedule, and requirements defined.*
- *Training on domain knowledge and automation tools completed.*

b) Test Execution:

- *Test tab readiness ensured.*
- *Application Under Test (AUT) readiness verified.*
- *Requirements, test case documents, and test data available.*
- *Defect report template prepared.*

8. Exit Criteria:

- *All test cases executed.*
- *Maximum defects fixed, final regression performed successfully.*
- *Confidence in the test process achieved.*

- Time and budget limitations met.

9. Suspension Criteria:

- Show-stopper bugs identified.
- Supplier issues arise.
- Significant changes in requirements occur.
- High volume of defects require resolution.

10.Roles and Responsibilities:

S.NO	NAME	ROLE	RESPONSIBILITIES	REMARKS
1	Piyush Raj Kumar	Test Lead	Test planning, guidance, monitoring and test control	
2	Piyush Raj Kumar	Tester	Test data collection, Generating test scenarios	
3	Piyush Raj Kumar	Tester	Test case documentation, test execution, defect reporting and tracking for admin module	
4	Piyush Raj Kumar	Tester	Test case documentation, test execution, defect reporting and tracking for Personal banking module	
5	Piyush Raj Kumar	Tester	Test case documentation, test execution, defect reporting and tracking for Corporate banking module	
6	Piyush Raj Kumar	Test Manager	Oversees the entire testing process, Manages and mentors the testing team, and Provides testing status reports to stakeholders	
7	Piyush Raj Kumar	Security Tester	Conducts security assessments to identify vulnerabilities, Performs penetration testing on applications and networks, and Recommends security measures to address vulnerabilities	

11. Schedule:

SNO	TASK	DAYS	DURATION	REMARKS
1	Understanding and Analyzing requirements	1	10th February	
2	Reviews	1	11th February	
3	Generating Test scenarios	1 1/2	11-12th February	

4	Reviews	1/2	12th February	
5	Test case Documentation	1	13th February	
6	Reviews	1/2	14th February	
7	Verifying Test Environment Setup	1 1/2	14-15th February	
8	Create Test Batches	2	15-17th February	
9	Sanity Testing	1	18th February	
10	Comprehensive testing	1	19th February	
11	Selecting Test Cases	1	20th February	
12	Regressing Testing	1	21st February	
13	Selecting Test Cases	1	22nd February	
14	Regression Testing Cycle -2	1	23rd February	
15	Final Regression	1	24th February	
16	Evaluating Exit Criteria	1	25th February	
17	Collecting all artifacts	1	26th February	
18	Test Summary Report	1	27th February	

12. Training:

- *Training program on Amazon Website.*
- *Test Automation Training Using Katalon Tool.*

13. Risks and Mitigations:

- *Risk: Frequent changes to the website structure*
- *Mitigation: Regular updates to test scripts and close collaboration with development teams.*

14. Test Environment/Lab:

- *Application Type: Web Application, Internet, and public.*
- *Server Side: Windows 7, MS Office, Chrome, Katalon Studio.*
- *Client Side: Windows XP+SP2, Cross-browser compatibility: Chrome, MS Office, Support all front-end frameworks.*
- *AUT Environment: REST, SOAP, GraphQL, SQL Server 2005 for the database server.*

15. Test Deliverables:

- *Test Plan*
- *Review reports*
- *Test Scenario documents*
- *Test Case documents*
- *Test data*
- *Opened, closed defect report*
- *Test summary report*

16. Approvals:

<i>SNO</i>	<i>TASKS</i>	<i>AUTHOR/RULE</i>	<i>RULE DATE & SIGNATURE</i>
<i>1</i>	<i>Test plan documentation</i>	<i>Piyush Raj Kumar</i>	
<i>2</i>	<i>Review</i>	<i>Smart Internz Team</i>	
<i>3</i>	<i>Approval</i>	<i>Smart Bridge Team</i>	

17. Glossary:

- *AUT: Application Under Test*
- *PIN: Project Initiation Note*
- *SRS: Software Requirement Specification*

This test plan outlines a structured approach to testing the Amazon website, aiming to ensure quality, reliability, and usability across its customer interface functionalities.