

Test Plan Document for E commerce Application (Amazon):

1. Test Plan Id: AAP_ST_TP_001

2. Introduction:

- ✓ The purpose of this project report is to provide a comprehensive overview of the testing activities conducted for an e-commerce 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.
- ✓ Verify the functionality of the website, including product browsing, product search, shopping cart, checkout process, payment processing, and order confirmation.

3. Test Items:

- ✓ User Registration
- ✓ User Login
- ✓ Product browsing and searching
- ✓ Shopping cart functionality
- ✓ Order confirmation

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) User Registration:

1. Verify that users can register with valid details such as name, email, and password.
2. Verify that users cannot register with invalid or duplicate email addresses.

3. Verify that mandatory fields are properly validated and error messages are displayed for missing or invalid information.
4. Verify that users receive confirmation emails after successful registration.

b) User Login

1. Verify that users can login with valid credentials (email and password).
2. Verify that users cannot login with invalid or incorrect credentials.
3. Verify that users can reset their password in case they forget it.
4. Verify that appropriate error messages are displayed for incorrect login attempts.

c) Product browsing and searching:

1. Verify that users can search for products based on various criteria such as keywords, categories, brands, etc.
2. Verify that search results display accurate and relevant products.
3. Verify that users can filter and sort search results based on different parameters.

d) Shopping cart functionality

1. Verify that users can add products to their cart and view the cart contents.
2. Verify that users can update the quantity or remove products from the cart.

e) Order confirmation

1. Verify that users receive order confirmation emails after successful purchases

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	S. Naveen Kumar	Test Lead	Test planning, guidance, Monitoring and test control	
2	S. Naveen Kumar	Sr. Tester	Test data collection, Generating test scenarios	
3	S. Naveen Kumar	Tester	Test case documentation, test execution, defect reporting and tracking for admin module	
4	S. Naveen Kumar	Tester	Test case documentation, test execution, defect reporting and tracking for Personal banking module	
5	S. Naveen Kumar	Tester	Test case documentation, test execution, defect reporting and tracking for Corporate banking module	

11) Schedule:

SNO	TASK	DAYS	DURATION	REMARKS
1	Understanding and Analyzing requirements	2	8 th Jan to 9 th Jan	
2	Review meeting	1	10 th Jan	
3	Generating Test scenarios	2	11 th Jan to 12 nd Jan	
4	Reviews	2	13 th Jan to 14 th Jan	
5	Test case Documentation	1	15 th Jan	
6	Reviews	1	16 th Jan	
7	Test data collection	1	17 th Jan	
8	Reviews	1	17 th Jan	
9	Verifying Test Environment Setup	1	18 th Jan	
10	Create Test Batches	1	19 th Jan	
11	Sanity Testing	1	19 th Jan	
12	Comprehensive testing	1	20 th Jan	
13	Sanity Testing	1	20 th Jan	
14	Selecting Test Cases	1	20 th Jan	
15	Regressing Testing	2	21 th Jan to 22 th Jan	
16	Sanity Testing	1	23 th Jan	
17	Selecting Test Cases	1	24 th Jan	
18	Regression Testing cycle -2	2	25 th Jan to 26 th Jan	
19	.			
.	.			
.	.			
28	Final Regression	1	26 th Jan	
29	Evaluating Exit Criteria	1	27 th Jan	
30	Collecting all artifacts	1	27 th Jan	
31	Test Summary Report	1	28 th Jan	

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

12) Training:

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

13) Risks and Mitigations: NA

14) Test Environment/ Lab:

Application Type: Web Application, Internet and public

Server Side:

- Windows 2003 server
 - UNIX server
 - MS Exchange server a) webserver b) EDP c) Data storage
 - Bugzilla tool
 - Support all frontend frameworks
 - MS Office
 - HP UFT Tool, etc...
 - Browser IE 7.0
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Client side:

- Windows xp+sp2
- Support all frontend frameworks: ReactJS, AngularJS
- Ms-Office
- Cross-browser compatibility: Chrome, Firefox, Safari, Edge

AUT Environment:

- REST
- SOAP
- GraphQL
- SQL server 2005 for database server

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

17) Glossary

AUT- Application Under Test

PIN- Project initiation note

SRS- Software Requirement Specification