

TEST PLAN IEEE FORMAT:

1. **Test Plan ID:** Unique No. or Id or Name of the test plan
2. **Introduction:** About the Project and testing
3. **Test Items:** Names of Modules/ Functions/ Services/ Features
4. **Features to Be Tested:** Responsible Modules for the Test Design
5. **Features Not to Be Tested:** Which ones to test and which ones not to test (e.g. Features of previous version of the Software)
6. **Approach:** List of testing techniques to be applied on the modules (prepared by QA/PM)
7. **Features Pass/Fail Criteria:** When above features are pass and when they fail
8. **Suspension Criteria:** Possible abnormal situations arose during testing of above features. Without recovering from these situations, you are not able to conduct testing. (Technical problems with respect to project)
9. **Test Environment:** Required hardware and software including testing tools to conduct testing
10. **Test Deliverables:** Required test documents to be prepared during testing (Test Cases, Test Procedures, Test Log, Test Report)
11. **Test Tasks:** necessary tasks to do before starting of every project testing
12. **Staff and Training Needs:** The names of test engineers and required training sessions
13. **Responsibilities:** Work allocation in terms of test engineers Vs Modules
14. **Schedule:** Dates and Times
15. **Risks and Mitigations:** Analyze risks and possible solution to overcome them
16. **Approvals:** Signatures of Test Plan Author and PM/QA

A Sample Test Plan Document for Amazon Application:

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 Login
- ✓ Product browsing and searching
- ✓ Wishlist Functionality
- ✓ Shopping cart functionality
- ✓ Review Functionality

4. References:

- ✓ Requirements
- ✓ Project Plan
- ✓ Test Strategy
- ✓ Use cases (if available)
- ✓ High-level Design Documents
- ✓ Low-Level Design Documents
- ✓ Process Guideline document
- ✓ Prototypes

5. Features to be tested:

a) Product review validation:

1. Verify that users can view reviews for the selected product.

b) User Login

1. Verify that users can log in with valid credentials (email and password).
2. Verify that users cannot log in 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) Wishlist functionality

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

6. Features not to be tested: NA

7. Entry Criteria:

a) Test Design:

- Team formation, Responsibilities, schedule, requirements, test case template
- Training on the 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 the test process

Time limitations

Budget limitations

9) Suspension criteria: Nil

10) Roles and Responsibilities:

S.NO	NAME	ROLE	RESPONSIBILITIES	REMARKS
1	Y Sai Lokesh	Test Lead	Test planning, guidance, Monitoring and test control	
2	Y Sai Lokesh	Sr. Tester	Test data collection, Generating test scenarios	
3	Y Sai Lokesh	Tester	Test case documentation, test execution, defect reporting and tracking for admin module	
4	Y Sai Lokesh	Tester	Test case documentation, test execution, defect reporting and tracking for Personal banking module	
5	Y Sai Lokesh	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	23th 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	28th 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 11 64bit 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 Chrome 121.0.0.0

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