

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 Test Plan for Amazon Website Testing using Katalon Studio:

1. **Test Plan Id:** AMA-KTS-TP-001
2. **Introduction:**

This test plan outlines the testing approach for the Amazon website using Katalon Studio. The objective is to ensure the functionality, reliability, and performance of key features.

3. Test Items:

- Homepage
- Search functionality
- Product details page
- Shopping cart
- User authentication
- Payment processing
- Order history

4. References:

- ✓ Requirments
- ✓ 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:

- Search and display of products
- Adding products to the shopping cart
- User login and registration
- Checkout process
- Payment processing

6. Features not to be tested:

- Third-party integrations not directly related to core website functionality
- Features specific to Amazon mobile applications

7. Features Pass/Fail Criteria:

- Pass: All critical functionalities work as expected, and test cases pass
- Fail: Any deviation from expected behavior or test cases failure

8. Approach:

- Automated testing using Katalon Studio
- Functional testing for core features
- Performance testing for key functionalities
- Regression testing for each release

9. 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....

10) Exit Criteria:

- All possible test cases executed
- Maximum defect fixed, final regression performed successfully
- Confidence on test process
- Time limitations
- Budget limitations

11) Suspension criteria:

- Testing will be suspended if there are critical technical issues affecting the testing environment or if the website undergoes unexpected maintenance.

12) Test Environment/ Lab:

- Hardware: Standard PCs with internet access
- Software: Katalon Studio, Web browsers (Chrome, Firefox, Safari), Operating Systems (Windows, MacOS)
- Testing Tools: Selenium WebDriver for browser automation

13) Test Deliverables:

- Test Cases
- Test Procedures
- Test Log
- Test Report

14) Test Tasks:

- Test data preparation
- Environment setup
- Test case design
- Test script development
- Execution of test cases
- Defect reporting and tracking

15) Roles and Responsibilities:

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

16) Schedule:

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

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

17) Staff and Training Needs:

- Test Engineer: Sairaghunandan Pulibandla
- Training sessions & project on Katalon Studio for all test engineers.

18) Risks and Mitigations

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

19) Approvals:

SNO	TASK/S	AUTHOR/ RULE	DATE & SIGNATURE
1	Test plan documentation	Sairaghunandan Pulibandla	
2	Review	Smart Internz Team	
3	Approval	Smart Bridge Team	

20) Glossary

- AUT- Application Under Test
- PIN- Project initiation note
- SRS- Software Requirement Specification

This test plan is a living document and subject to updates as the project progresses.