

1. Test Plan Id: AMAZON_ST_KS_TP_001

2. Introduction:

- This is a Test Plan for software testing utilizing Katalon Studio, a comprehensive test automation tool.
- The purpose of this Test Plan is to outline the approach, scope, and resources required for testing software applications using Katalon Studio.
- Katalon Studio offers a wide range of features for automated testing, including web, mobile, API, and desktop applications.

3. Test Items:

- The test items include various components of the software application to be tested using Katalon Studio:
 - Web Interface
 - Mobile Interface (if applicable)
 - API Endpoints
 - Desktop Applications (if applicable)

4. References:

- Software Requirements Specification (SRS)
- Test Strategy Document
- Test Cases
- Design Documents
- Prototypes (if available)
- Process Guidelines

5. Features to be tested:

- The features to be tested will depend on the specific software application under test. However, some common features include:
 - User Authentication
 - Data Input Validation
 - Functional Workflows
 - Integration Points
 - Error Handling
 - Performance Metrics (response time, throughput, etc.)

6. Features not to be tested:

- Non-functional aspects such as security, scalability, and usability may not be fully tested using Katalon Studio alone.

7. Entry Criteria:

- Test Design:
 - Team formation with defined roles and responsibilities
 - Availability of requirements and test case templates
 - Training on Katalon Studio for team members
- Test Execution:
 - Readiness of test environment
 - Availability of test cases and test data
 - Defect reporting template prepared

8. Exit Criteria:

- Execution of all identified test cases
- Defects resolved and retested

- Confidence in the test process achieved
- Time and budget constraints met

9. Suspension Criteria:

- Discovery of critical defects halting testing progress
- Issues with external dependencies or resources
- Significant changes in requirements impacting test scope
- High volume of unresolved defects affecting progress

10. Roles and Responsibilities:

S.No	Name	Role	Responsibilities	Remarks
1	sneha k	Test Lead	Test planning, coordination, and monitoring	
2	sneha k	Tester	Test case documentation, execution, and defect reporting	
3	sneha k	Tester	Test case documentation, execution, and defect reporting	
4	sneha k	Tester	Test case documentation, execution, and defect reporting	
5	sneha k	Automation Specialist	Script development, execution, and maintenance	

11. Schedule:

- The schedule for testing activities will be determined based on the project timeline and milestones.

12. Training:

- Training sessions will be conducted for team members on Katalon Studio and relevant testing methodologies.

13. Risks and Mitigations:

- Risks such as resource constraints, technical challenges, and time limitations will be identified and mitigated through proactive planning and communication.

14. Test Environment/Lab:

- The test environment will consist of various components including:
 - Operating Systems (Windows, Linux, macOS)
 - Browsers (Chrome, Firefox, Safari)
 - Mobile Devices (if applicable)
 - API Testing Tools (Postman, SoapUI)
 - Database Servers (MySQL, PostgreSQL)
 - Katalon Studio
 - Version Control Systems (Git, SVN)

15. Test Deliverables:

- Test Plan Document
- Test Cases
- Test Execution Reports
- Defect Reports
- Test Summary Report

16. Approvals:

S.No	Task	Author/Role	Date & Signature
1	Test Plan Documentation	[Test Lead]	
2	Review	[Quality Analyst]	
3	Approval	[Project Manager]	

17. Glossary:

- SRS: Software Requirements Specification
- API: Application Programming Interface
- UI: User Interface
- OS: Operating System
- QA: Quality Assurance