

TEST LAB

&

DOCUMENTS

WHAT IS TEST LAB?

Test labs allow you to organize your test cycles. The QA lead sets up a new test lab, selects the tests that should participate in it, and assigns them to the various testers. The testers start testing away, and the lead probes the status every now and then on which tests passed, failed, are still in progress, or haven't yet been executed. Time Management allows you to better plan and monitor test execution across your entire team.

WHAT IS TEST DOCUMENTATION?

Test documentation is documentation of artifacts created before or during the testing of software. It helps the testing team to estimate testing effort needed, test coverage, resource tracking, execution progress, etc. It is a complete suite of documents that allows you to describe and document test planning, test design, test execution, test results that are drawn from the testing activity.

WHY TEST DOCUMENTATION IS NEEDED?

Test Documentation makes planning, review, and execution of testing easy as well as verifiable.

The degree of test formality depends on

- The type of application under test
- Standards followed by your organization
- The maturity of the development process.

TYPES OF TESTING DOCUMENTS

1. Test policy -

It is a high-level document which describes principles, methods and all the important testing goals of the organization.

2. Test strategy

A high-level document which identifies the Test Levels (types) to be executed for the project.

3. Test plan

A test plan is a complete planning document which contains the scope, approach, resources, schedule, etc. of testing activities.

Requirements Traceability Matrix

TYPES OF TESTING DOCUMENTS

4.Test Scenario

Test scenario is an item or event of a software system which could be verified by one or more Test cases.

5.Test case

It is a group of input values, execution preconditions, expected execution postconditions and results. It is developed for a Test Scenario.

6.Defect Report

Defect report is a documented report of any flaw in a Software System which fails to perform its expected function.

ADVANTAGES OF TEST DOCUMENTATION.

- The main reason behind creating test documentation is to either reduce or remove any uncertainties about the testing activities. Helps you to remove ambiguity which often arises when it comes to the allocation of tasks
- Documentation not only offers a systematic approach to software testing, but it also acts as training material to freshers in the software testing process
- It is also a good marketing & sales strategy to showcase Test Documentation to exhibit a mature testing process
- Test documentation helps you to offer a quality product to the client within specific time limits
- In Software Engineering, Test Documentation also helps to configure or set-up the program through the configuration document and operator manuals
- Test documentation helps you to improve transparency with the client

DISADVANTAGES OF TEST DOCUMENTATION

- The cost of the documentation may surpass its value as it is very time-consuming
- Many times, it is written by people who can't write well or who don't know the material
- Keeping track of changes requested by the client and updating corresponding documents is tiring.
- Poor documentation directly reflects the quality of the product as a misunderstanding between the client and the organization can occur

CONCLUSION

AS SOFTWARE SYSTEMS BECOME MORE AND MORE COMPLEX, THE IMPORTANCE OF EFFECTIVE, WELL PLANNED TESTING EFFORTS WILL ONLY INCREASE.