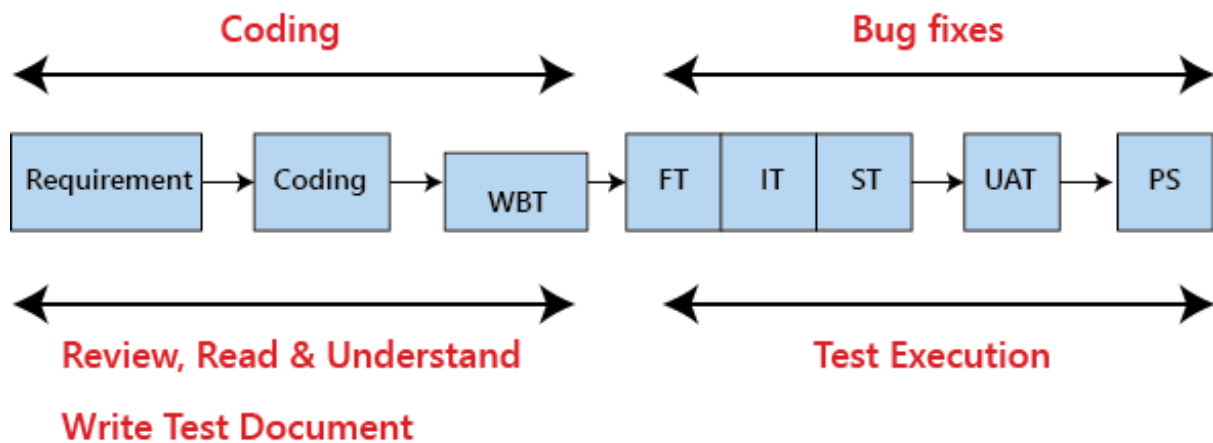


Testing Documentation

Testing documentation is the documentation of artifacts that are created during or before the testing of a software application. Documentation reflects the importance of processes for the customer, individual and organization.

Projects which contain all documents have a high level of maturity. Careful documentation can save the time, efforts and wealth of the organization.



There is the necessary reference document, which is prepared by every test engineer before stating the test execution process. Generally, we write the test document whenever the developers are busy in writing the code.

Once the test document is ready, the entire test execution process depends on the test document. The primary objective for writing a test document is to decrease or eliminate the doubts related to the testing activities.

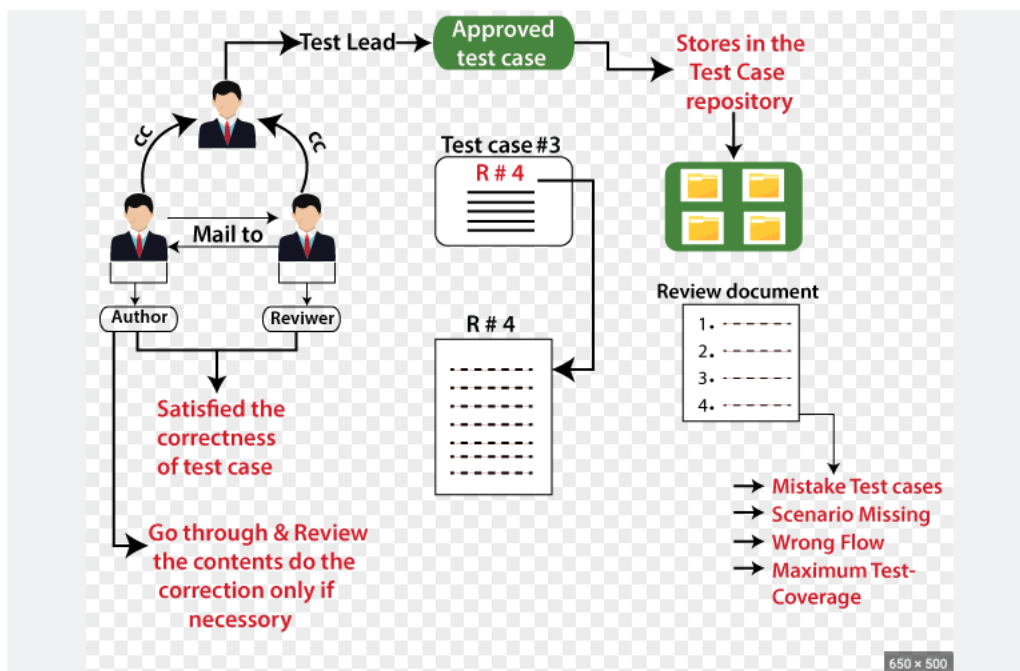


Types of test document

In software testing, we have various types of test document, which are as follows:

- Test scenarios
- Test case

- Test plan
- Requirement traceability matrix(RTM)
- Test strategy
- Test data
- Bug report
- Test execution report



Test Scenarios

It is a document that defines the multiple ways or combinations of testing the application. Generally, it is prepared to understand the flow of an application. It does not consist of any inputs and navigation steps.

For more information about test scenario, refers to the below link:

<https://www.javatpoint.com/test-scenario>

Test case

It is an in-details document that describes step by step procedure to test an application. It consists of the complete navigation steps and inputs and all the

scenarios that need to be tested for the application. We will write the test case to maintain the consistency, or every tester will follow the same approach for organizing the test document.

For more information about test case, refers to the below link:

<https://www.javatpoint.com/test-case>

Test plan

It is a document that is prepared by the managers or test lead. It consists of all information about the testing activities. The test plan consists of multiple components such as **Objectives, Scope, Approach, Test Environments, Test methodology, Template, Role & Responsibility, Effort estimation, Entry and Exit criteria, Schedule, Tools, Defect tracking, Test Deliverable, Assumption, Risk, and Mitigation Plan or Contingency Plan.**

Why documentation is needed

If the testing or development team gets software that is not working correctly and developed by someone else, so to find the error, the team will first need a document. Now, if the documents are available then the team will quickly find out the cause of the error by examining documentation. But, if the documents are not available then the tester need to do black box and white box testing again, which will waste the time and money of the organization. More than that, Lack of documentation becomes a problem for acceptance.

Example

Let's take a real-time example of Microsoft, Microsoft launch every product with proper user guidelines and documents, which are very explanatory, logically consistent and easy to understand for any user. These are all the reasons behind their successful products.

Benefits of using Documentation

- Documentation clarifies the quality of methods and objectives.
- It ensures internal coordination when a customer uses software application.
- It ensures clarity about the stability of tasks and performance.
- It provides feedback on preventive tasks.
- It provides feedback for your planning cycle.

- It creates objective evidence for the performance of the quality management system.
- If we write the test document, we can't forget the values which we put in the first phase.
- It is also a time-saving process because we can easily refer to the text document.
- It is also consistent because we will test on the same value.

The drawback of the test document

- It is a bit tedious because we have to maintain the modification provided by the customer and parallel change in the document.
- If the test documentation is not proper, it will replicate the quality of the application.
- Sometimes it is written by that person who does not have the product knowledge.
- Sometimes the cost of the document will be exceeding its value.