

When will you say that the code is working fine?

When the actual result matches with expected result then we can say the code is working fine:

When the testing process starts?

The testing process starts after the requirement analysis like writing test cases, Reviewing test cases etc and actual testing starts after coding and then executing test cases.

→ TYPES OF TESTING :

- 1 Manual Testing
- 2 Automation Testing

1 MANUAL TESTING :

Manual testing is a testing process that is carried out manually (end user) in order to find defects without the usage of Tools or automation scripting

→ TYPES OF MANUAL TESTING :

- 1 White Box Testing
- 2 Black Box Testing
- 3 Gray Box Testing

1 WHITE Box TESTING : Testing back end process without worrying about front end process is called as "WHITE Box TESTING".

* Here the person will have coding language.

Ex: Unit testing and Integration testing.

2 BLACK BOX TESTING : Testing Front end process without bothering about Back end process is called "BLACK BOX TESTING".

→ Here tester will not have any coding language knowledge. Ex: System testing and UAT testing

3 GREY BOX TESTING : Testing both front end process and back end process is called as "GREY BOX TESTING".

Ex: Report testing, Database testing.

→ LEVELS OF TESTING : The different levels of testi

- 1) Unit Testing 1)
- 2) Smoke Testing 2)
- 3) Sanity Testing 3)
- 4) Functional testing 4)
- 5) Integration testing 5)
- 6) System testing 6)
- 7) Retesting 7)
- 8) Regression testing 8)
- 9) UAT testing 9)
- 10) Adhoc testing 10)

1 UNIT TESTING : Testing the code written by the developer working fine or not is called as Unit testing.

→ Unit testing conducts on a single program or single module.

→ Unit testing is a white box testing

→ Unit testing done by developers.

→

2 SMOKE TESTING : Testing that the build is stable or not is called as smoke testing.

→ It is done by deployment team or development

3 SANITY TESTING : Testing High level functionalities of an application is called as sanity testing.

→ It is done by Testers.

4 FUNCTIONAL TESTING : Testing each and every functionality of an application is working fine or not according to requirements by giving input value and verifying the output with the expected value, is called as functional testing.

* Functional testing is a black box testing.

* Test Engineer should perform functional testing.

5 INTEGRATION TESTING

* Integration testing performed between 2 or more modules.

* When module 1 and 2 both are integrated then the input of module 1 should appear in module 2 as output is called as integration testing.

* Integration testing is a white box testing.

6 SYSTEM TESTING : End to end testing of an application is called as system testing.

* Testing overall functionality of an application with respect to client requirement.

* It is a Black Box testing.

* This testing is conducted by testing team.

* After completion of integration testing we start system system.

* Before conducting system testing we should know the customer requirements.

7 Regression testing : When there is a change in existing module or adding new functionality to the existing module, and to ensure that the new functionality should not impact the existing functionality. is called as "Regression testing".

8 UAT {USER ACCEPTANCE TESTING}

* It is type of testing performed by end user or client to verify that the functionalities are working according to their requirements before moving to the markets.

* It is done in production environment.

* It is the last phase of testing.

→ There are two types of UAT testing.

1 Alpha (α) testing

2 Beta (β) testing

Alpha (α) testing	Beta (β) testing
Suitable for Project	Suitable for Product
Internal employee who are not belongs to that project are going to test the project	External people will work or test the project is called as Beta testing.
Direct involvement of developers and testers.	Indirect involvement of developers and testers

9 / RETESTING

Whenever the raised bug fixed by developer we retest it to verify that the bug is fixed or not is called as retesting.

10 ADHOC TESTING

- * It is also called as informal testing
- * Testing the application randomly is called as Adhoc Testing.
- * It is done by Team Lead or manager.

Q Have you ever involved in UAT ?

A NO, we are not involving in UAT but we supports them.

→ SDLC : SOFTWARE DEVELOPMENT LIFE CYCLE

It is a process of developing the software start to end.

Q What is end-to-end testing ?

End-to-end testing is similar to system testing, it is the process of testing the complete process from end-to-end,

This is to ensure that the overall process flows as expected and the system components integrate together correctly and the right information is passed between the applications :

How can it be known when to stop testing?

- a) Deadline (Release deadline, testing deadline).
- b) Test cases completed with certain percentage passed.
- c) Test budget spent and completed.
- d) Coverage of functionality/requirements reaches a specific point.
- e) Bug rate falls below a certain level.

imp (01)

What is traceability testing?

Traceability matrix is nothing but a mapping between the requirement and test cases. How many test cases written for particular requirement and all the test cases for specified requirement



What is requirement traceability matrix (RTM) and what is its purpose.