

Difference between Error, defect and bug

Error:

A mistake made by a programmer during coding is called an error.

Defect:

An error found during the unit test in development phase is called a defect.

Bug:

An error found during the testing phase is called bug.

In general we use these terms in software testing whenever the system or application acts abnormally. Sometimes we call it an error/bug and so on.

Very common to use these terms during the SDLC (Software development life cycle). Although seems similar few differences are also there.

What is Bug?

In software testing, a bug is a deviation of the customer requirement. In simply we can say deviation between the expected result and the actual result in the application (or) module that found by testing team during testing period.

What is Defect?

An error in software testing refers to slip-up, misunderstanding (or) mistake made by software engineer ~~in the category of developer~~.

For example, a developer may misunderstood a design notation, or

a programmer might type a variable name incorrectly - leading to an Error. It is generated because of incorrect logic, loop or Syntax.

Defect

The functionality of an application not working as per the customer's requirement known as defect.

The defect is found by the development team.

Reason behind the defect.

Giving wrong input may lead to a defect.

Any error in code may lead to a defect.

Different types of defect include based on priority high, medium and low.

And also based on severity
critical, major, minor, Trivial