

Ingeniería de Software II

**CONCEPTOS BÁSICOS DE PRUEBAS DE SOFTWARE: FALLAS,
ERRORES, DEFECTOS Y MÁS.**

Errors	Defects	Bugs	Faults	Failures
These are the mistakes made by the software developer or programmer, while preparing the code or design of the software. Errors are mainly a deviation from the results expected by the team, which further changes the functionality of the software	Defects are defined as any deviation or irregularity from the specifications mentioned in the product functional specification document by the client or any other stakeholders of the project. Moreover, defects are errors found after the application goes into product.	Bugs are errors, flaws, and faults present in the computer program that impact the performance as well as the functionality of the software can cause it to deliver incorrect and unexpected results.	Introduced in the software because of an error, fault is another discrepancy found by the team of testers during the process of software testing. it is merely a manifestation of an error in a software. Moreover, a fault in the software system inhibits it from performing its intended function and forces the system to act in an unanticipated manner.	Failures are incorrect external behaviour that leads a software to deliver services that are not in compliance with the specifications.
A human action that produces an incorrect result. This is also sometimes referred to as Mistake .	A Software DEFECT is a condition in a software product which does not meet a software requirement (as stated in the requirement specifications) or end-user expectation (which may not be specified but is reasonable). In other words, a defect is an error in coding or logic that causes a program to malfunction or to produce incorrect/unexpected results.	A software bug is an error, flaw, failure or fault in a computer program or system that causes it to produce an incorrect or unexpected result, or to behave in unintended ways.	A manifestation of an error in software, also known as Defect or Bug .	A deviation of the software from its expected delivery or service.
A human mistake which causes a flaw in the software is called an Error hence normally it is related to Development process.	An error or fault which is found and reported by Tester is called a Software Defect.	Anything that prevents the software to perform required action or leads the application to produce unexpected result is called a Bug.	An incorrect step or data definition in a software which becomes the reason of the unanticipated behavior of the application is called a Fault.	It is the inability of the application, system or a single component to execute the expected function.

Conclusiones

- **Errors:** Human mistakes
- **Defect:** Defects are errors found after the application goes into product
- **Bugs:** Anything that causes the software to produce unexpected results
- **Faults:** Introduced in the software because of an error,
- **Failures:** When a software is incapable of performing the required functions and is offering results that are not adequate

Bibliografía

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