

Day 02:

Environmental Setup

We Consider a Example that

Bank of America (BofA) requested a feature to enable transactions b/w two users. and Consider it as Version 1: and Now, the business analyst added a New requirement to the application and Consider that as Version 2.

- So, before Launching the transaction (Version 1) feature and (Version 2) Alert feature , a production replica is set up to test everything that helps the QA team find issues like slow performance or bugs before releasing the software .
- and if testing isn't thorough we might unnoticed some defects and miss them. for example if theres a bug that stops alerts being sent it might not be caught during testing so, when the software launched, user encounter this problem , highlighting defect leakage. which can lead to user complaints, and requires quick fixes .
- Regression Testing: type of software testing that ensures that changes to code have not negatively affected the existing functionality of software. The purpose of regression testing is to confirm that previously working features still function correctly after changes are made.

→ white box testing :

Testing the internal structure, logic of coding software. Tester examines the code, logic and Unit testing and integration testing are example of white box testing

→ Black box testing:

Testing the software from an external perspective, without looking internal code structure. Tester validates the functionality of code. System testing, UAT testing are example

→ Exploratory testing :

Testers explore the application to find the defects without any pre-defined test cases. which primarily focuses on learning and discovering defects

→ test plan:

A detailed document outlines the scope, objective and resources and schedule testing activities

→ Test strategy:

High level document that outlines the approach and methodology for testing, which defines testing standards and guidelines to be followed.