Testing Then

* Traditional approach to test the Application Under Test
* Water fall
* Delay to start the testing process
* Team needs to wait till the application availability in Testing Environment
* Budget --- More
* Fixing Bugs is expensive

Approach:

* Test Plan
* Test Design
* Test Execution
* Defect Tracking
* Bug fixing and retesting
* Regression
* Test closure
* Time consuming
* Requires more resources
* Budget will be more
* Complex AUT ------ > time [Impact to application quality]
* Stable Builds ---- Small workable unit at a time

Testing Now :

* Work in Agile Framework
* Developer --- Tester , designer , db admin , programmer
* Process is dynamic
* Everyone will work together to build , test and deploy a small component at a time
* Build Automation Tool
* CI-CD Pipelines
* Git itegration
* Cloud implementation

Retesting :

* To execute the same test case again to re verify the bug has been fixed.
* Existing test case
* Existing Test data
* Existing Environment
* No documentation

Defect ID :

When we will get the defect – We need to log the same .----- [Defect ID]

Bug001 ---🡪 Assign to the respective developer who will work on bug fixFing-🡪 FIXED--🡪 Closed

Regression Test :

* To ensure the Change Request must not cause the negative impact on other existing components in application
* Automation framework to create an optimized way to handle regression testing.
* UFT --- VB Script
* Selenium ----- Java , python , js , C# ------ TDD , BDD , DDD , UNIT TESTING[Junit]

TDD 🡪 Test Driven Development --🡪 TestNG

BDD -🡪 Business Driven Development

DDD -🡪 Data driven development framework

Documentation:

* Defects ---Yes ------
* Defect report

We have to test the entire module with the new changes added to it to check whether the module is stable or not.

Requirement Engineering:

Simplified approach for analyzing the requirements to test.

----- RS / FS / SRS

Who will create the Test Plan ????

Test lead / Test manager

Requirement Analysis --🡪 Review the requirement to find the gap--🡪 RS/FS/SRS