08.13May.ContinuesBuildTesting

13 May 2023 04:34 PM

- Continues Building
- Continues Testing
 - Automation Testing

Continues Building

- > Tool: Apache Maven
- Framework: Based on Programming Language(.java ---> .class)

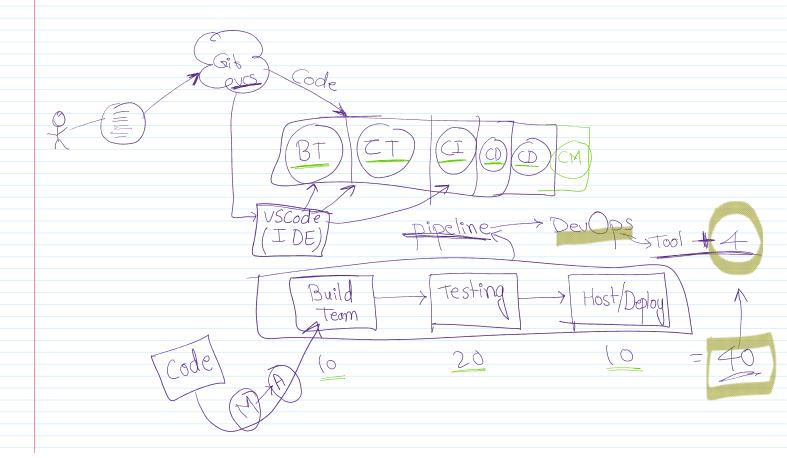
Continues Testing

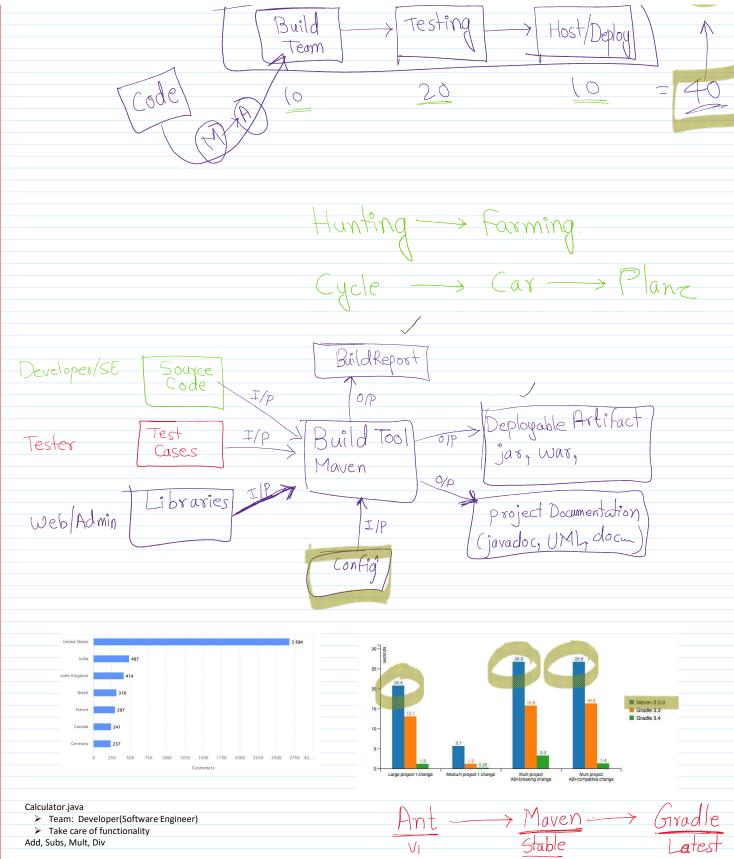
- Process of executing automated test cases
 Application are tested continuously

Project: Calculator App

Due augustica Language 101/0	
Programming Language JAVA	
IDE(Integrated Development Environment) VSCode	
Build Tool Apache N	laven
Testing Framework(Continues Testing) Junit	
Manual Testing Java Progr	am

- o JDK Java Development Kit(javac)
- o \$ apt install openjdk-17-jdk -y
- Install JDK and JRE
- o Translator(javac): PL/Java/Human Understandable to Computer(Byte Code, Binary Language)
- \$ javac Calculator.java
- Calculator.java --> javac --> Calculator.class
- Javac Check
 - Syntax Errors
- O JRE Java **Run**time Environment (java)
- \$ apt install openjdk-17-jre -y
- Install JRE
- o \$ java Calculator

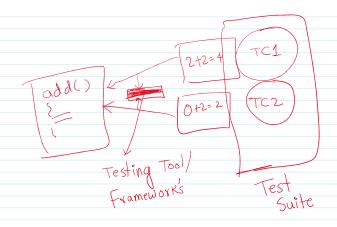




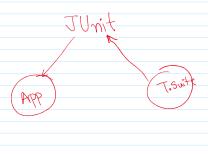
CalculatorTest.java

- Team: Tester(Software Tester)
- Checking functionality(Input --> Functionality --> Output(Pass, Fail)

AddTest, Subs, Mult, Div







Cor > Coo > Test Drive.

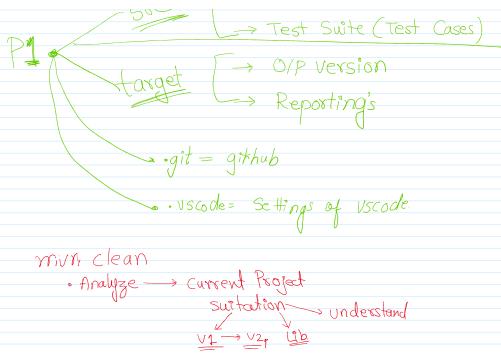
Code > Build > Test

OP

Build Tool

→ Source Code

→ Test Suite (Test Cases)



o All Running Process → Terminate.

· Delete old Version (target)

SLA = Service Level Agreement

Enterprise Basely

Company

Trust

Compulsory CI/CD

Lifecycle Goals of Maven

\$ mvn clean

\$ mvn compile (java --> class) Files

\$ mvn test (TestCase.java ---> TestCase.class)

\$ cd target/test-classes/

\$ java org.junit.runner.JUnitCore CalculatorTest