

## 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

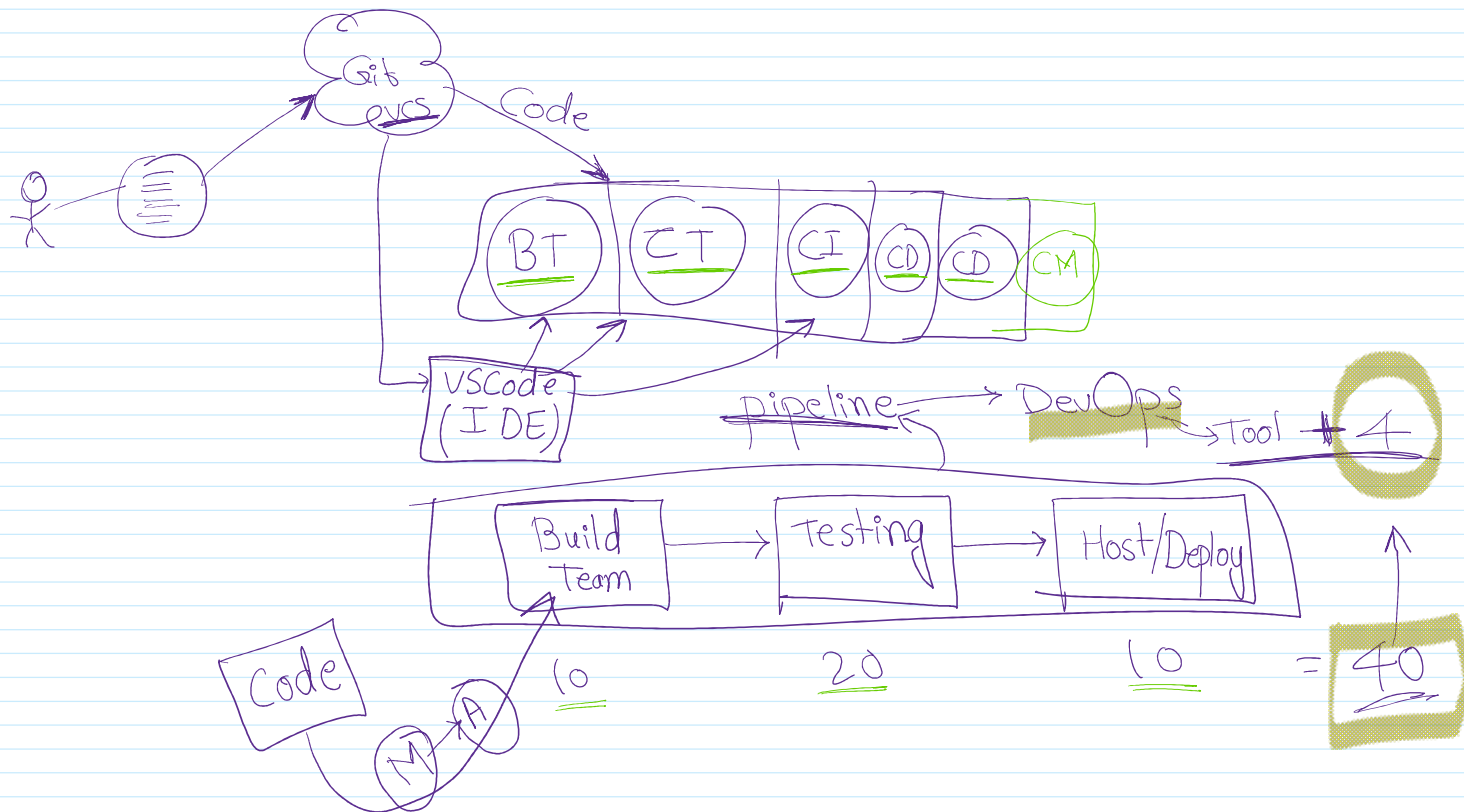
- Process of executing automated test cases
- Application are tested continuously

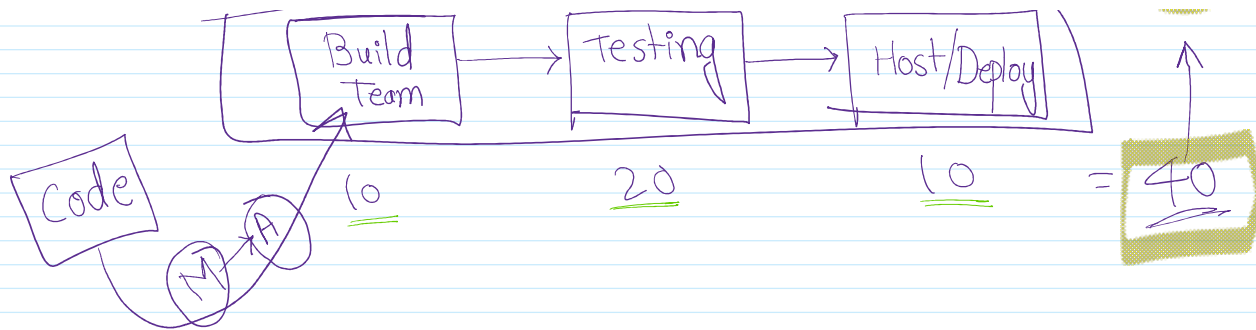
Project: Calculator App

Programming Language	JAVA
IDE(Integrated Development Environment)	VSCode
Build Tool	Apache Maven
Testing Framework(Continues Testing)	Junit
Manual Testing	Java Program

### JAVA:

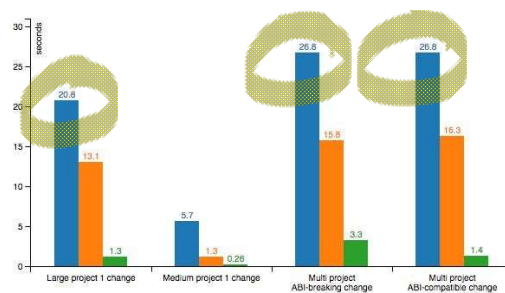
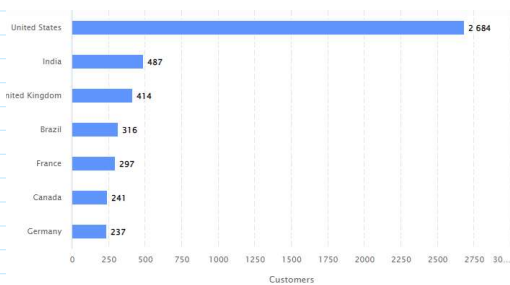
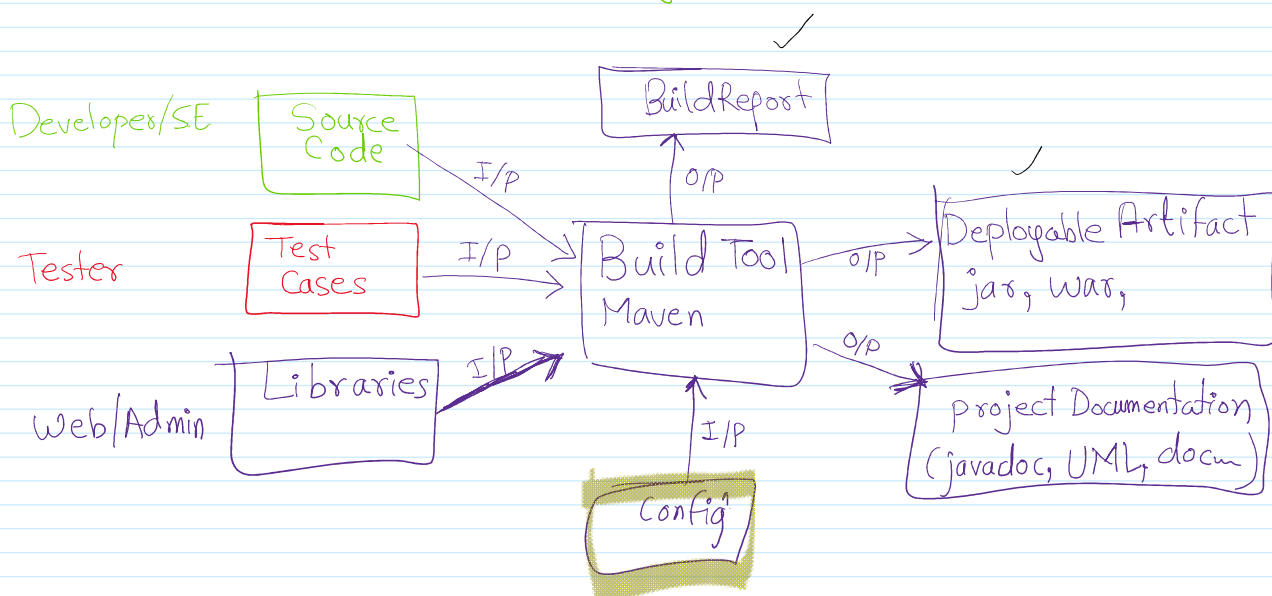
- JDK - Java **D**evelopment Kit( javac)
- \$ apt install openjdk-17-jdk -y
- Install JDK and JRE
- Translator(**javac**): PL/Java/Human Understandable to Computer(Byte Code, Binary Language)
- \$ **javac** Calculator.java
- Calculator.java --> javac --> Calculator.class
- Javac Check
  - Syntax Errors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





Hunting → Farming.

Cycle → Car → Plane



Calculator.java

- Team: Developer(Software Engineer)
- Take care of functionality

Add, Subs, Mult, Div

CalculatorTest.java

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

AddTest, Subs, Mult, Div

Ant  $\xrightarrow{v_1}$  Maven  $\xrightarrow{v_2}$  Gradle  
Stable Latest

