Maven
└─ Spring Boot
      └─ Embedded Tomcat; H2 DataBase

Req → Web Server ← Req → DB
Res ←   ← Res

Metadata Project
Dependencies = External Library/Module ──→ to build & Run Project
pom.xml
Plugins = Component that extend the functionality of System

Maven ─→ Src/main/resources/application - properties

Maven
  ↓
Build + Deploy
  ↓
Embedded Tomcat
  ↓
Spring Boot framework

Ad Block Plus

Component which enhance Existing System.
├─ Google Chrome (Extension)
├─ Maven (Build) → Plugin
└─ VCS (Github) ✓ + CI/CD Action's

HTTP/s   TCP
Network ──→ Web Server (Tomcat) ──→ Database
                                        ├─ H2
                                        └─ MySQL Postgresql

Client
├─ Web
├─ CURL
└─ Postman

```
$ sudo su -

# apt update

#  apt install mysql-server -y

# mysql --version

# systemctl status mysql.service

# mysql -u root -p

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY '123';

mysql> \q

# nano /etc/mysql/mysql.conf.d/mysql.cnf
[mysql]
```
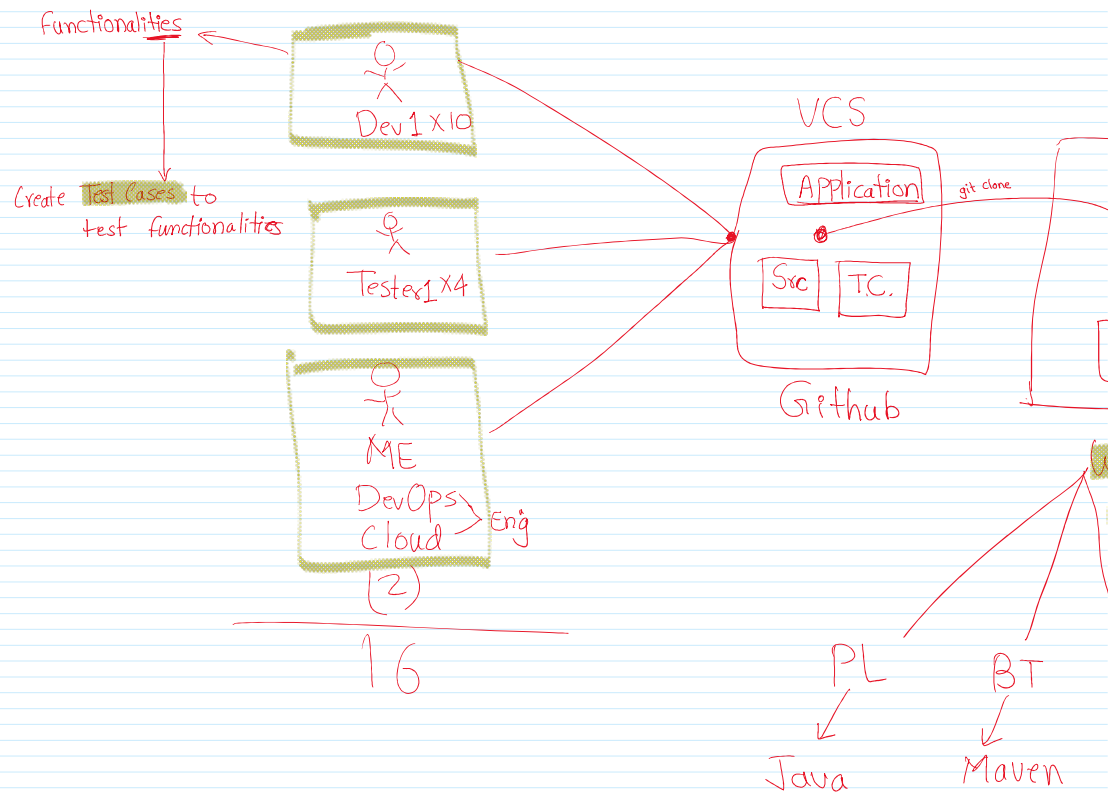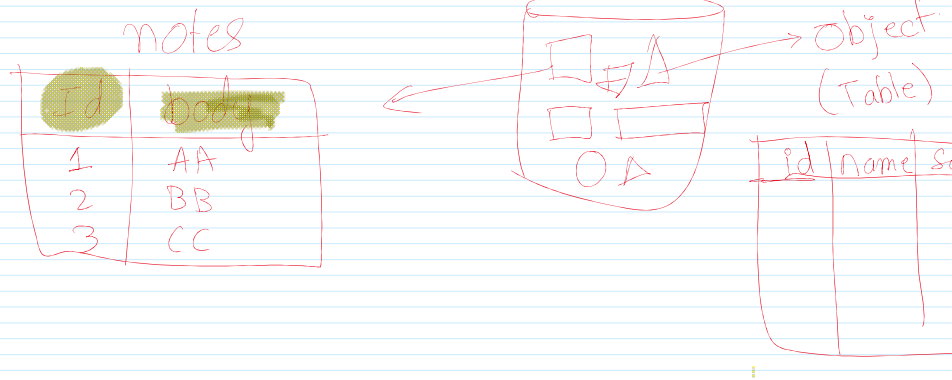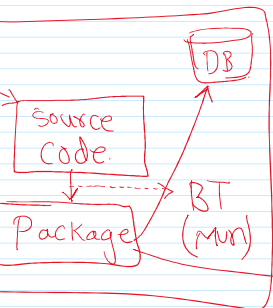
bind-address   =   0.0.0.0

systemctl restart mysql

Another Machine:
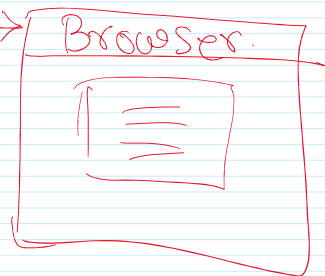mysql -h PublicIP -u root -p123

mysql> create database notesdb;

notes

Id	body
1	AA
2	BB
3	CC

→ Object
(Table)

id	name	S...

functionalities

Create Test Cases to
test functionalities

Dev 1 × 10

Tester1 × 4

ME
DevOps > Eng
Cloud
(2)

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VCS

Application   git clone

Src   T.C.

Github

PL   BT

Java   Maven

alary

Infra (CE) Aws → ① Create Server

② Github Repo

Deploy (DE) → Tool ③ Install
- Install   ∘ Java $ a
- Config   ∘ Maven
                   ∘ DataB

DB

Source
Code.

BT
(run)

Package

④ Clone $ git c

Browser.   ⑤ Build   nan

Web &   ⑥ Run
DataBase

FW

Spring
Bot

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

pt install openjdk-8-jdk-headless

$ apt install maven -y

$ase\left(MySQL\right)$

lone https://oauth: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@github.com/NubeEra-MCO/SpringBoot-MySQL-REST-API.git

o src/main/resources/application.properties