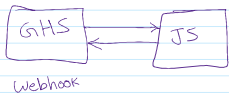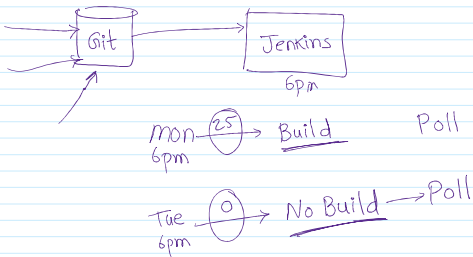# 50.08Jun.Application&Servers

1. Jenkinssd
   a. Pull SCM = CORN Job
   b. Web Hook = GitHub
2. Spring boot Application
3. OOP

Webhook

```
#!/bin/bash
$ sudo apt update && sudo apt install openjdk-11-jdk -y
$ java -version
$ javac -version
$ curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee /usr/share/keyrings/jenkins-keyring.asc > /dev/null
$ echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] https://pkg.jenkins.io/debian-stable binary/ | sudo tee /etc/apt/sources.list.d/jenkins.list > /dev/null
$ sudo apt update && sudo apt install jenkins -y
```
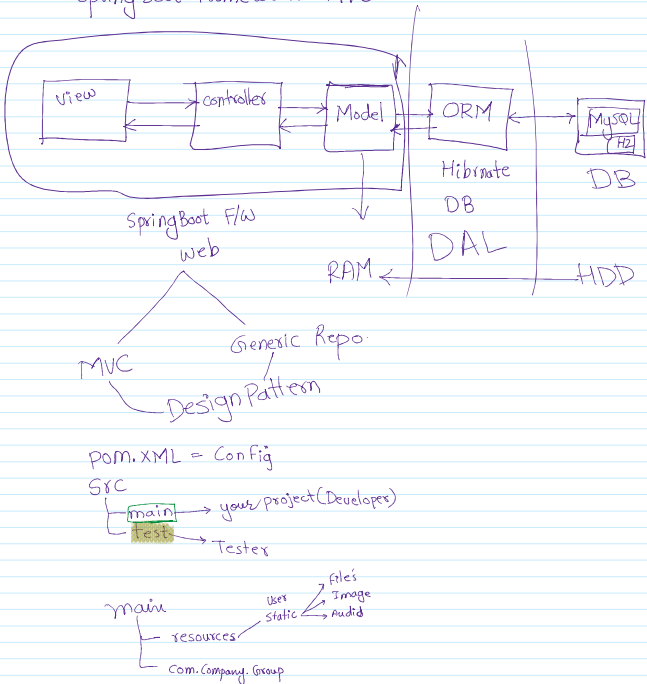
http://13.126.125.249:8080/github-webhook/

1. Create Freestyle project
2. Enable Feature:
   a. Github hook trigger for GITSCM polling
3. Create Credentials in Manage Jenkins
   a. UserName:
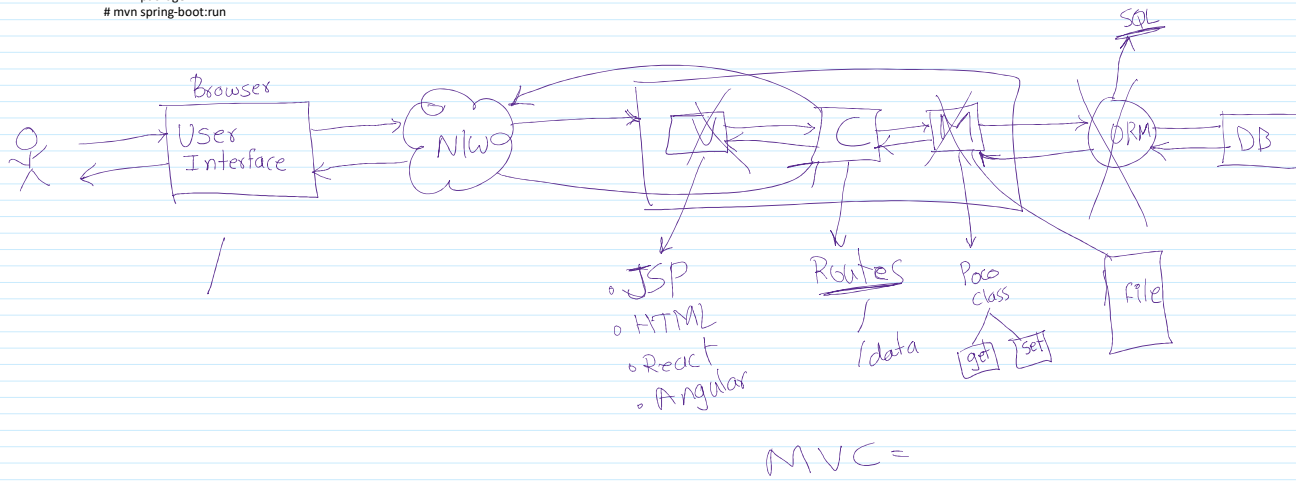   b. Password:
4. Configure your github repos
   a. URL: https://github.com/teamnubeera/webhook.git
   b. Branch: main
   c. Credentials:


```
mvn archetype:generate -DgroupId=com.jwt.spring -DartifactId=SpringMVCHibernateCRUD -
```

DarchetypeArtifactId=maven-archetype-webapp -DinteractiveMode=false

mvn clean
mvn compile
mvn package
mvn spring-boot:run

SQL

Browser

User Interface — N/w — JSP / HTML / React / Angular

C — Routes / data

M — Poco class — get / set

ORM — file — DB

get | set

MVC =

1. Testing (Reporting, Selenium)

Tester   Developer   Storage Admin

✓ DBK

Cloud ✓

Admin   Linux/system

Non Tech   N/w Admin

DBA

SysOps   CI/CD

TF   Ans   D&K
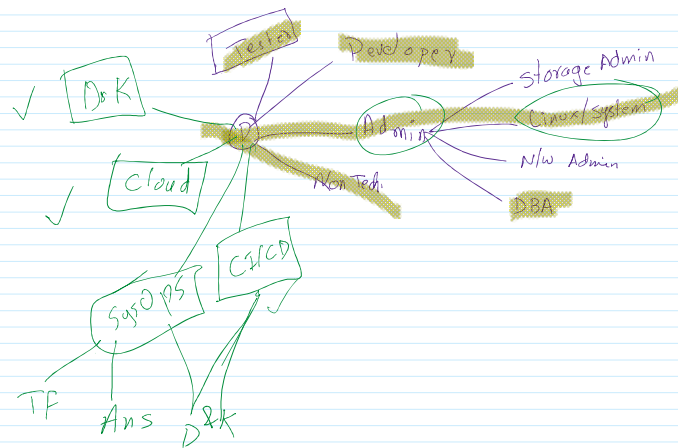
1] Test (Report)

2] Container
   • Volume
   • N/w   ✓
   • Swarm

3] K8S

8 GiB/16GB
Linux
Docker

Kubeadm.   Installation
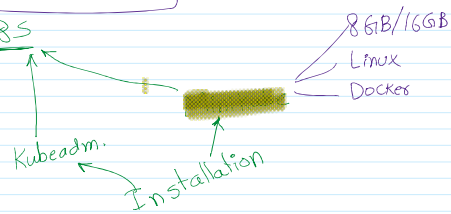
Deliver — 100%

Check   Assign
✓   Project }
✓   Mock   ✓
         Certification

10
2 2 2 2
✓ ✓ ✓

prompt Engineering

Jenkins
- TF
- Ans
- AWS
- Docker

$\overline{APP}$ + MySQL + Jenkins

C1 C2

K8s