64.03Jul.Project(Medicure)

Monday, July 3, 2023 7:18 PM

Medicure

- Health domain

Team

- Developer = 5
  - Front End(web designer/UI/UX) = 2
  - Back End(Software Engineers) = 2
  - DataBase Engineers = 1
- Tester = 2
- Cloud → Infra Eng. = 1
- DevOps → DevOps Eng = 1
- Project Manager = 1

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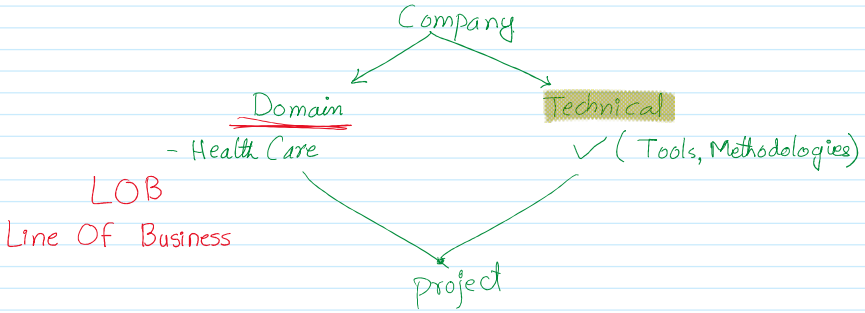
Modules

Doctor Invoice.
Patient Billing.

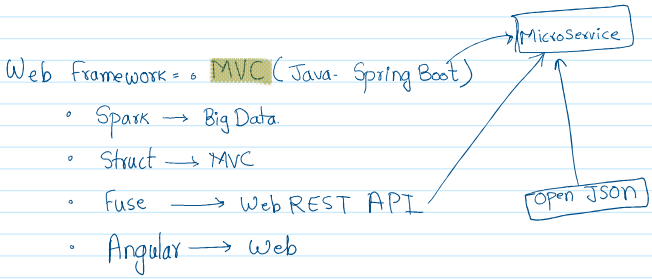
KT(Knowledge Transfer)

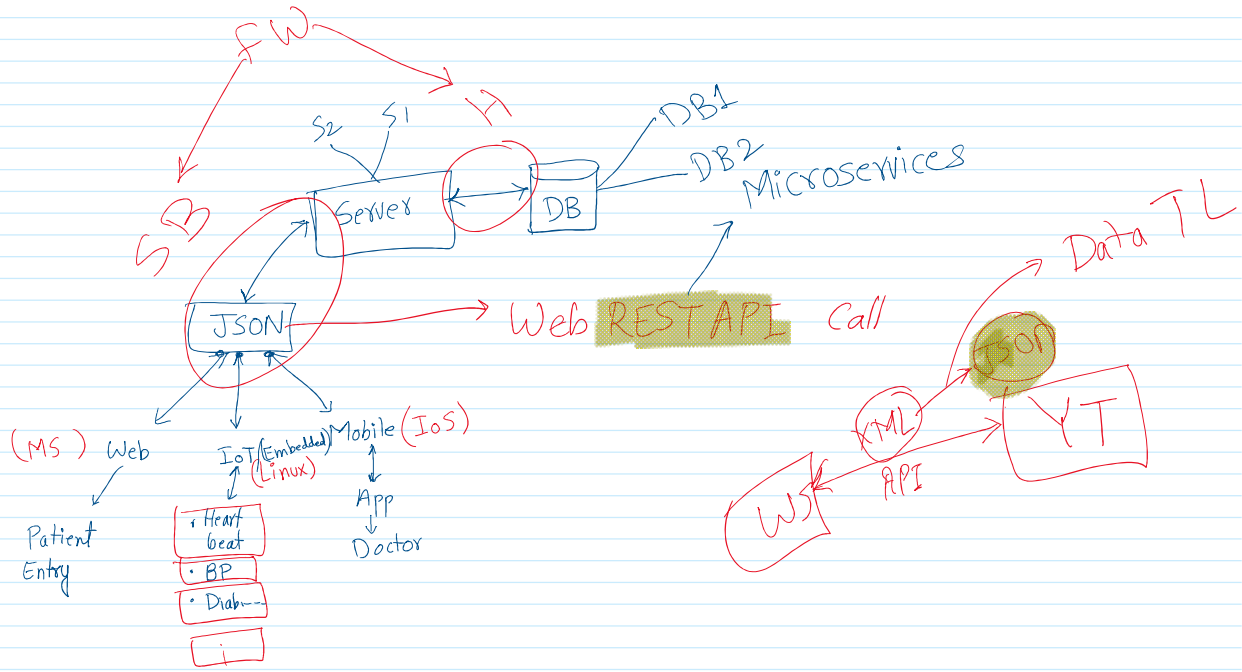
- Tech Stack
- Tool
- Strategy.
- Best Practice.
- framework.

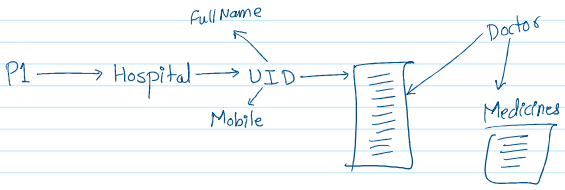


LOB
Line Of Business

- Design. Project Structure.
  - Project Generator Tool
    - start.spring.io
    - mvn archetype:gen.
  - Infra Design(AWS/Azure)
    - Manually.
    - Terraform
      - DataBase (In-Memory(RAM)= H2 , RDBMS= MySQL)
      - Web Server (Tomcat Embedded)
      - CI Server. (Jenkins, Ansible)
      - Container Server (Docker)







Window

- Open Java (JDK + JRE) 8 11 17
- MySQL CLI (Command)
- VSCode & git & github

Start --> Run --> systempropertiesadvanced

Windows:

```
mvn archetype:generate ^
-DgroupId=com.mycompany.app ^
-DartifactId=my-app ^
-DarchetypeArtifactId=maven-archetype-quickstart ^
-DarchetypeVersion=1.4 ^
-DinteractiveMode=false
```

UNIX(Mac/Linux)

```
mvn archetype:generate \
-DgroupId=com.mycompany.app \
-DartifactId=my-app \
-DarchetypeArtifactId=maven-archetype-quickstart  \
-DarchetypeVersion=1.4 \
-DinteractiveMode=false
```

pom.xml – Configuration file

① Meta data Section

```
<properties>
 <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
 <maven.compiler.source>1.7</maven.compiler.source>
 <maven.compiler.target>1.7</maven.compiler.target>
</properties>
```

② Dependencies Section

```
<dependencies>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.11</version>
    <scope>test</scope>
  </dependency>
 </dependencies>
```

③ plugin Section

```
<plugins>
   <plugin>
    <artifactId>maven-clean-plugin</artifactId>
    <version>3.1.0</version>
   </plugin>
   <plugin>
    <artifactId>maven-resources-plugin</artifactId>
    <version>3.0.2</version>
   </plugin>
</plugins>
```

MAVEN PROJECT

If we use Apache Maven then ONLY Maven Commands we can run:

```
$ mvn clean
$ mvn compile
$ mvn install
$ mvn package
```

SPRING-BOOT PROJECT

If we use Spring-boot & Hibernate library then Maven, Spring-Boot Commands also:

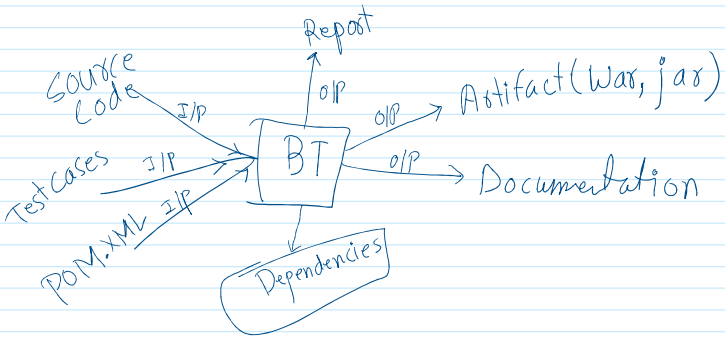
```
$ mvn clean
$ mvn compile
$ mvn install
$ mvn package
        +
$ mvn spring-boot:run
```

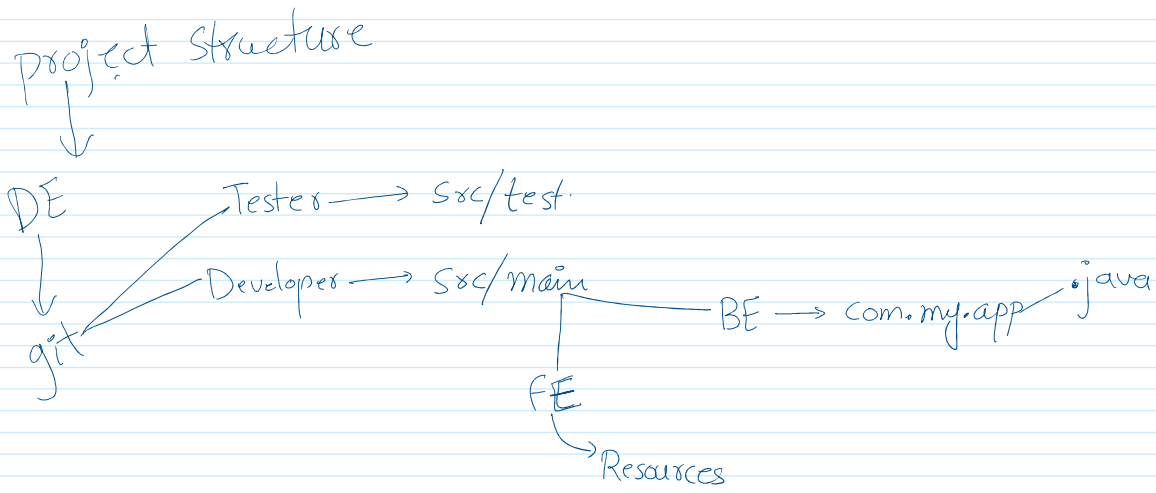
With BT:
- Java
- Groovey
- Scala
- MS.Net
  - C#.Net
  - f#.Net

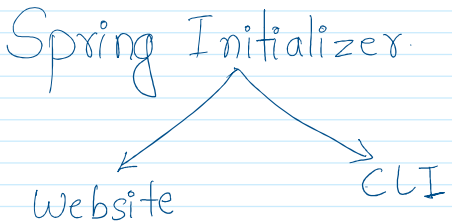
Without BT
- Python
- Node.js
- PHP

```
$ mvn clean

$ mvn compile

$ cd target\classes

$ java com.mycompany.app.App
```

C#.Net
F#.Net
VB.Net







https://start.spring.io/

E:\Projects\todo\src\main\resources\application.properties

Configuration file

- application.properties server.port=8090

or

- application.yaml

```
server:
  port: 8091
```

```
$ mvn clean
$ mvn install
$ mvn spring-boot:run

$ mvn clean install spring-boot:run
```