

# Spring Boot Training

Jupiter

# Pre-Test

1. Apa yang anda ketahui tentang IOC atau dependency injection.
2. Sebutkan dan jelaskan spring module yang anda ketahui?Minimal (3)
3. Jelaskan Perbedaan antara Spring JDBC dengan Spring JPA
4. Apa Perbedaan Web Service dengan REST API
5. Sebutkan Template Engine yang biasanya digunakan di Java EE

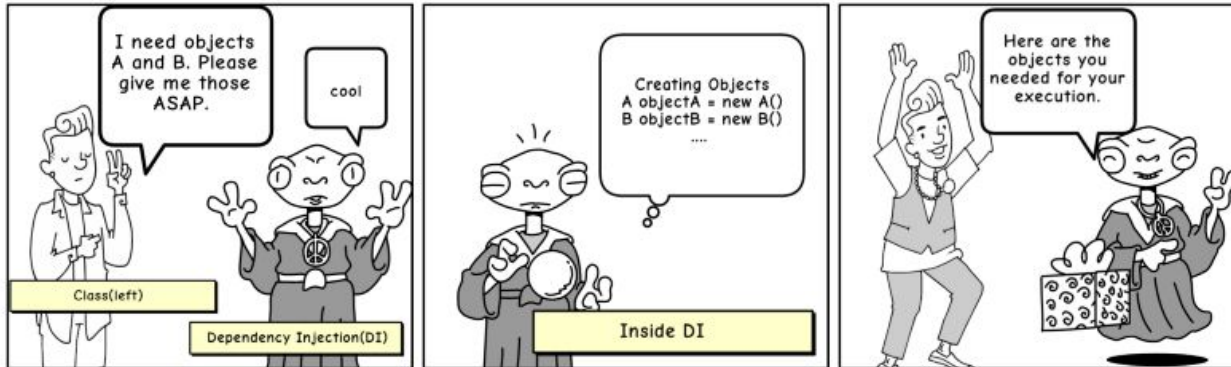
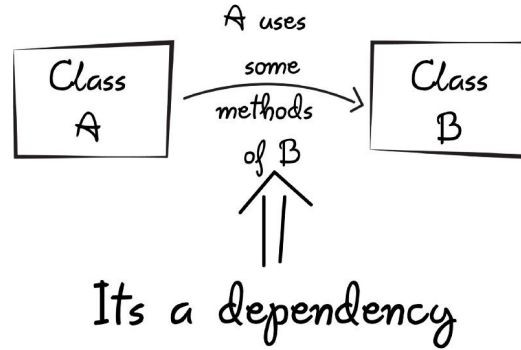
# My Profile

Name: Jupiter

LinkedIn : <https://id.linkedin.com/in/jupiter-zhuo-47011655>

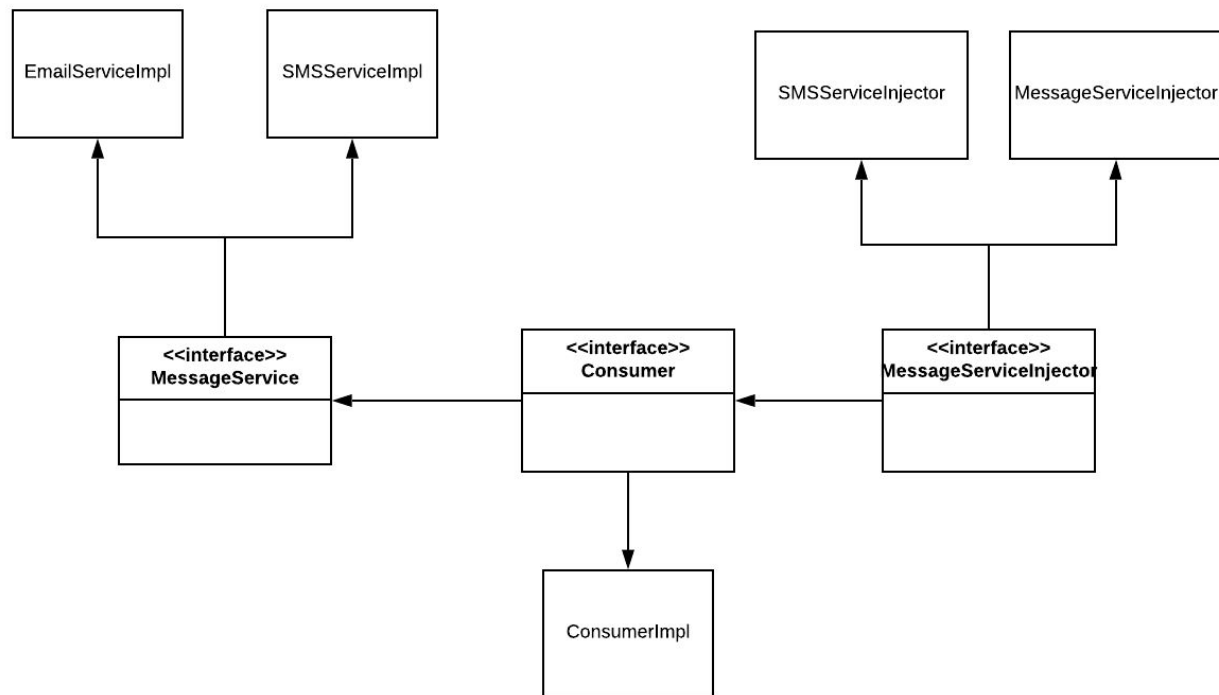
Bio : coding is Fun

# Dependency Injection

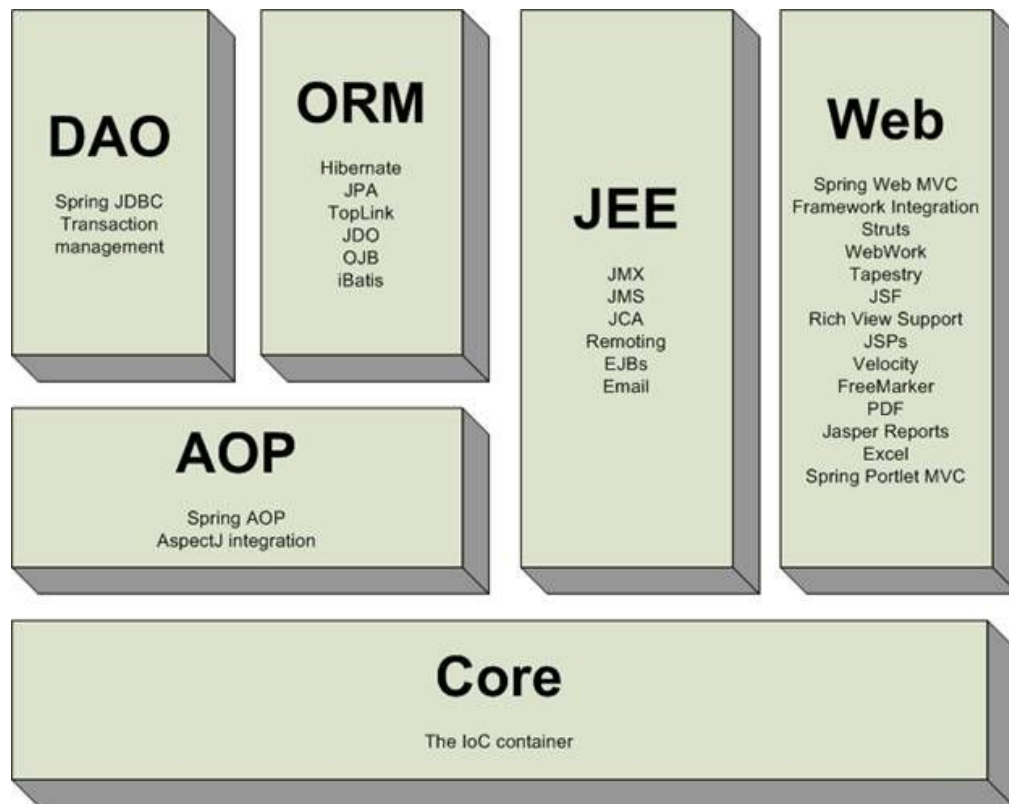


This comic was created at [www.MakeBeliefsComix.com](http://www.MakeBeliefsComix.com). Go there and make one now!

# Dependency Injection



# Spring Framework



# Initializing a Spring Boot project

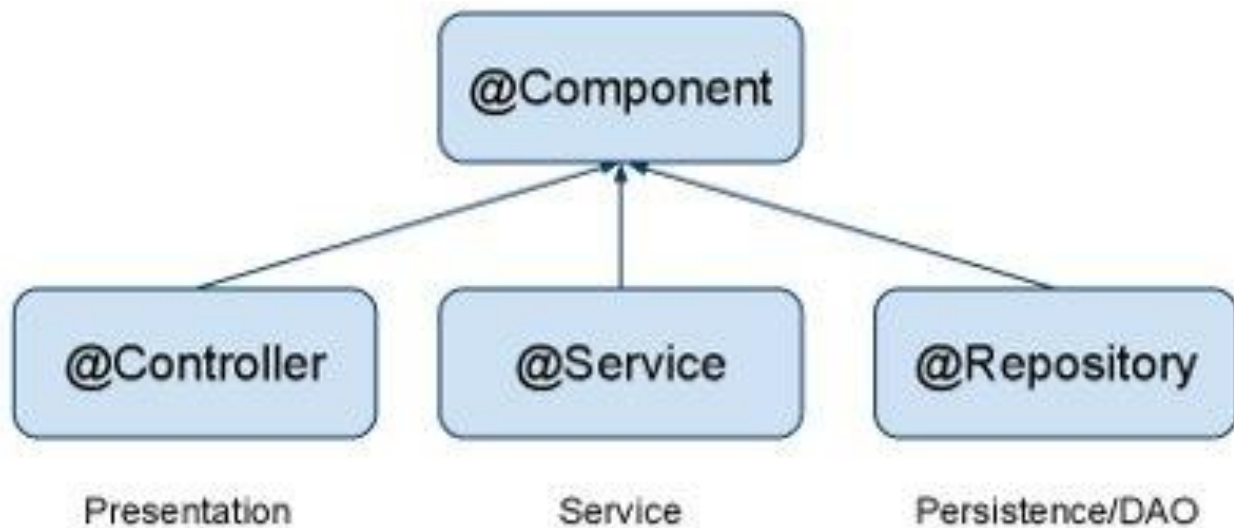
Through a web-based interface

Via Spring Tool Suite

Via IntelliJ IDEA

Using the Spring Boot CLI

# Annotation



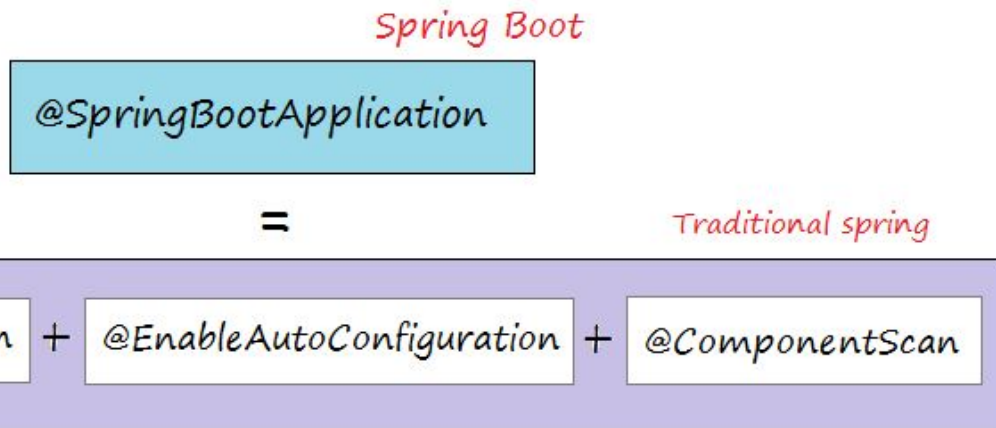
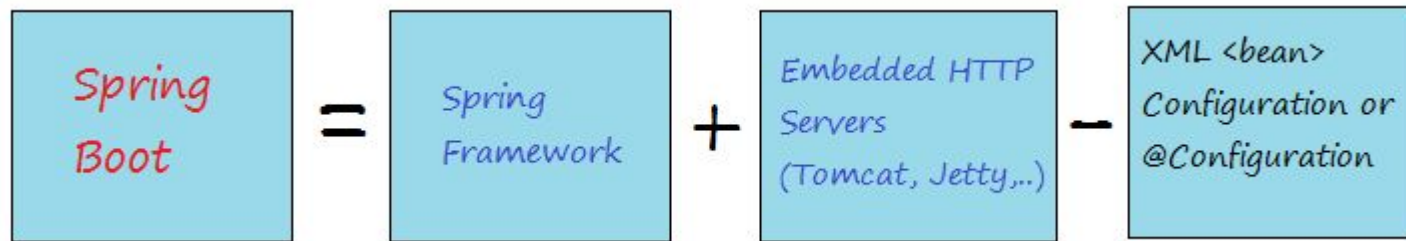


# Why Spring Boot

- No Clumsy XML configuration by Developer
- Use Dependency Management Tools Such As Maven and Gradle
- Help Fast Development and production ready code
- Embed Tomcat, Jetty or Undertow directly ( no need deploy WAR files)
- In Memory DB
- For Documentation :

<https://docs.spring.io/spring-boot/docs/current/reference/html/index.html>

# Spring Boot



# Build Simple Web using Spring + Thymeleaf



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Model

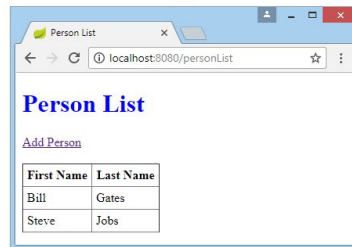
```
public class Person {  
    private String firstName;  
    private String lastName;  
}
```

List<Person> persons

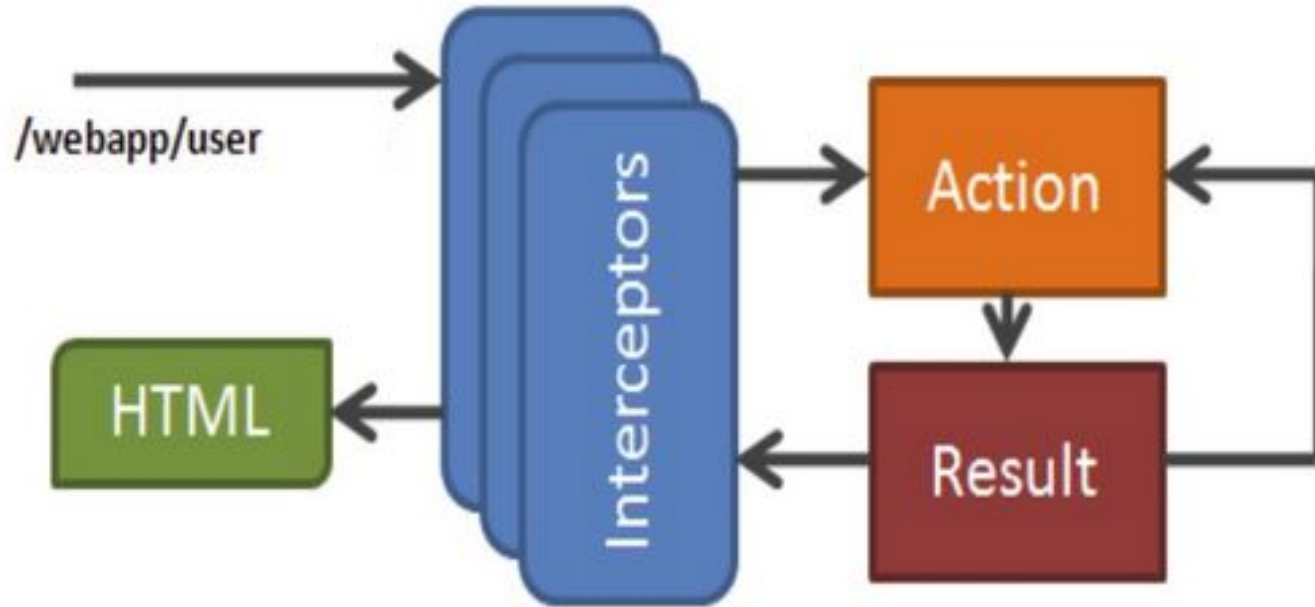
View (Thymeleaf Template)

```
<!DOCTYPE HTML>  
<html xmlns:th="http://www.thymeleaf.org">  
  <head>  
    <meta charset="UTF-8" />  
    <title>Person List</title>  
    <link rel="stylesheet" type="text/css"  
          th:href="@{/css/style.css}"/>  
  </head>  
  <body>  
    <h1>Person List</h1>  
    <a href="addPerson">Add Person</a>  
    <br/><br/>  
    <div>  
      <table border="1">  
        <tr>  
          <th>First Name</th>  
          <th>Last Name</th>  
        </tr>  
        <tr th:each="person : ${persons}">  
          <td th:text="${person.firstName}">...</td>  
          <td th:text="${person.lastName}">...</td>  
        </tr>  
      </table>  
    </div>  
  </body>  
</html>
```

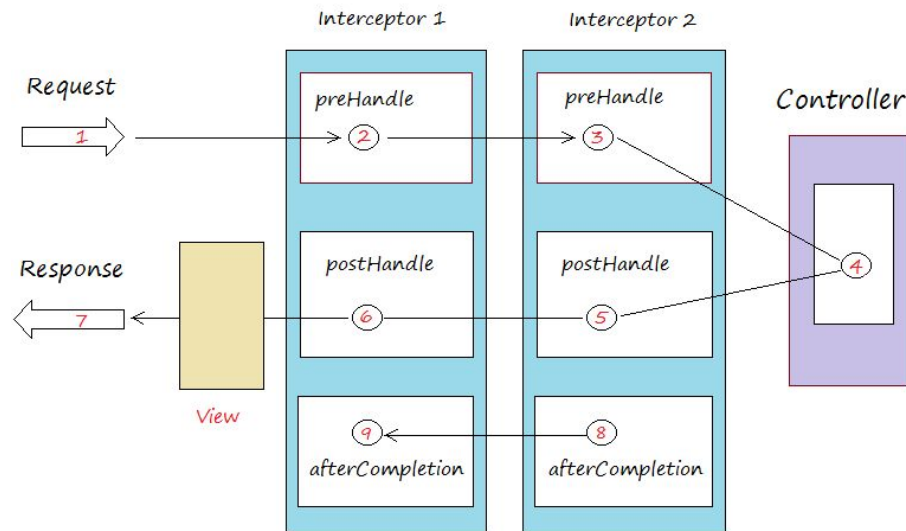
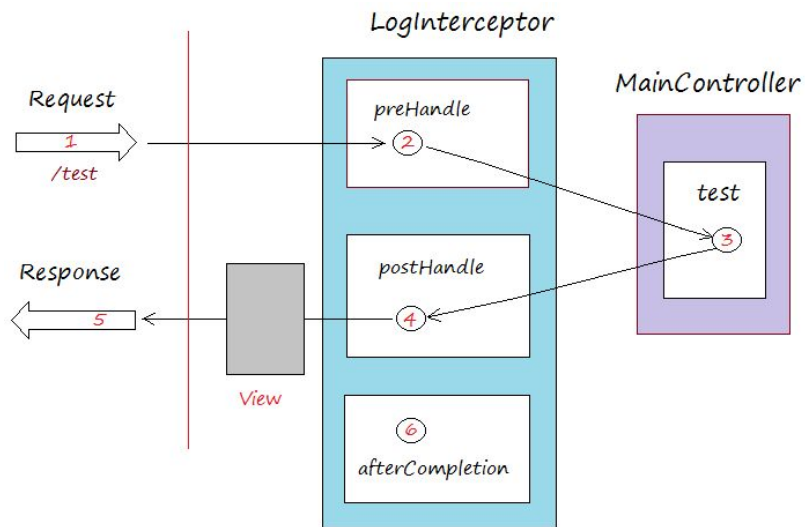
Thymeleaf Engine



# Spring Boot Interceptor



# Spring Boot Interceptor



# Spring Boot JDBC & Spring Transactional



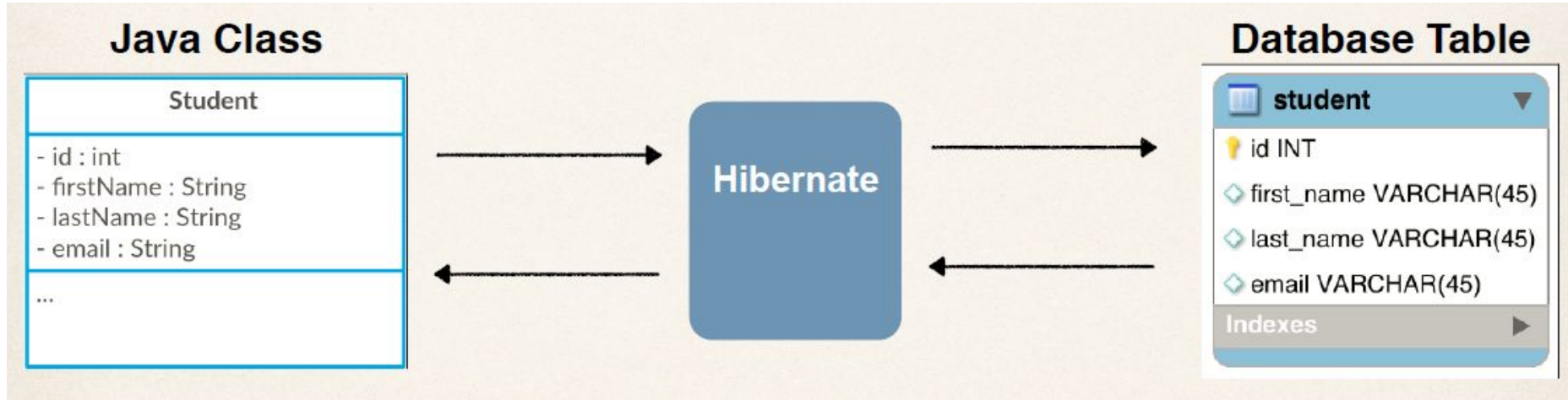
# Day 4

JPA Hibernate Mapping

CRUD Restfull

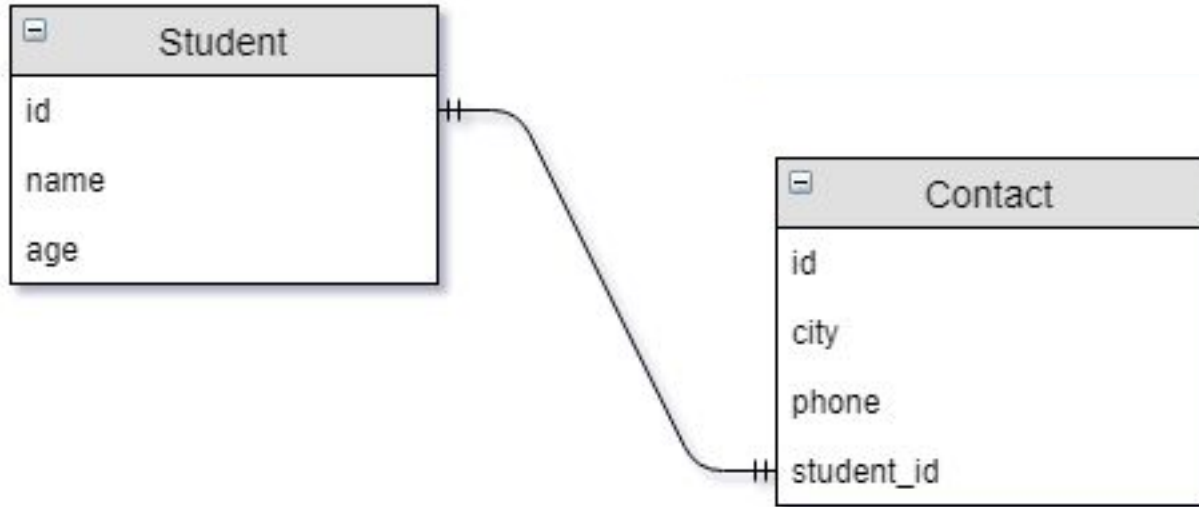
JPA Auditing

# JPA Architecture

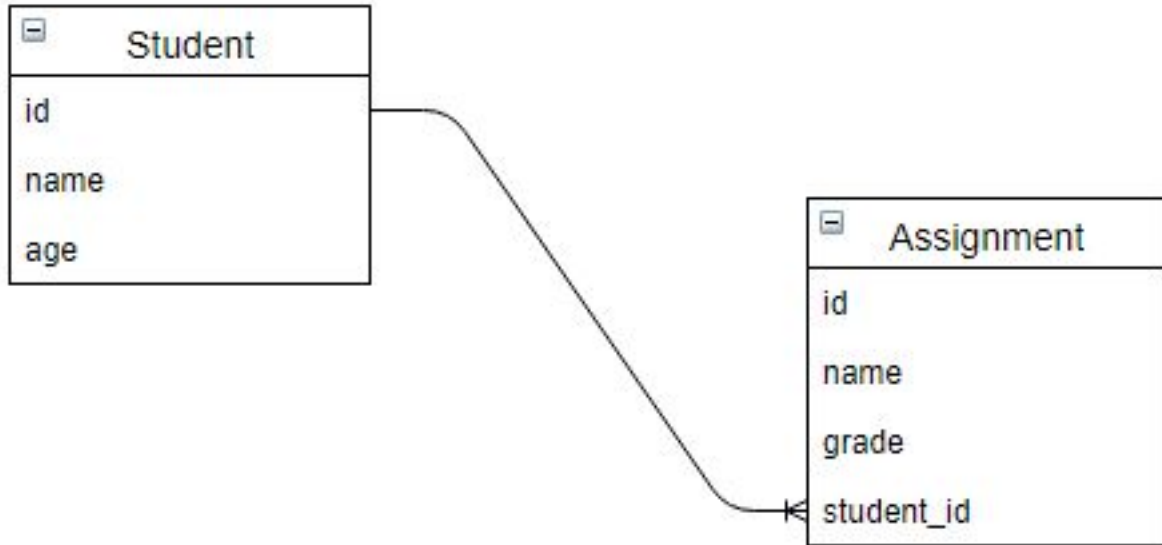




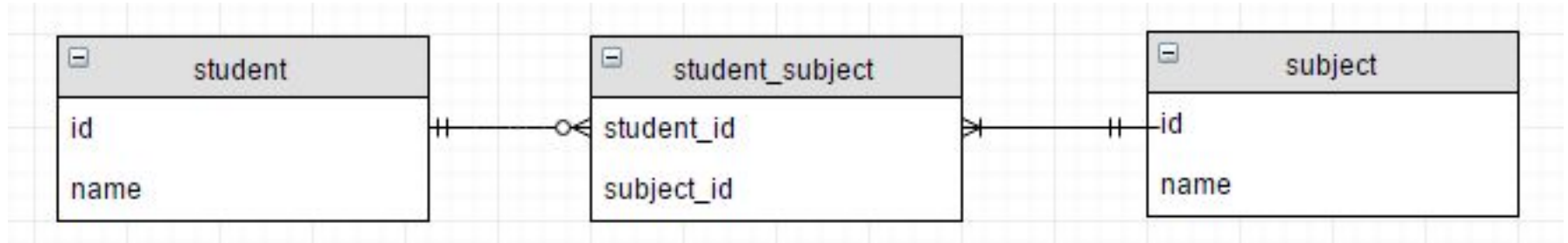
# JPA Mapping One To One



# JPA Mapping One To Many



# JPA Mapping Many To Many



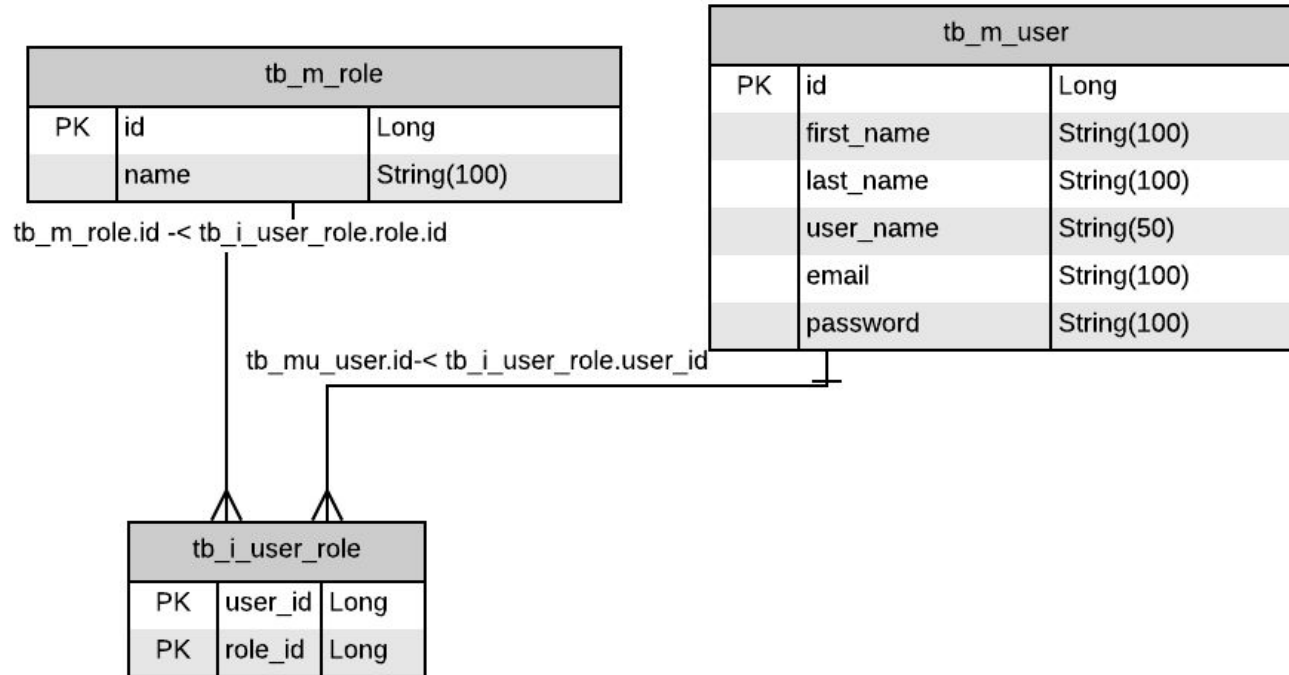
# Day 05

- Spring Migration [X]

- Spring Mapping

- Spring Custom Error[X]

# JPA Mapping

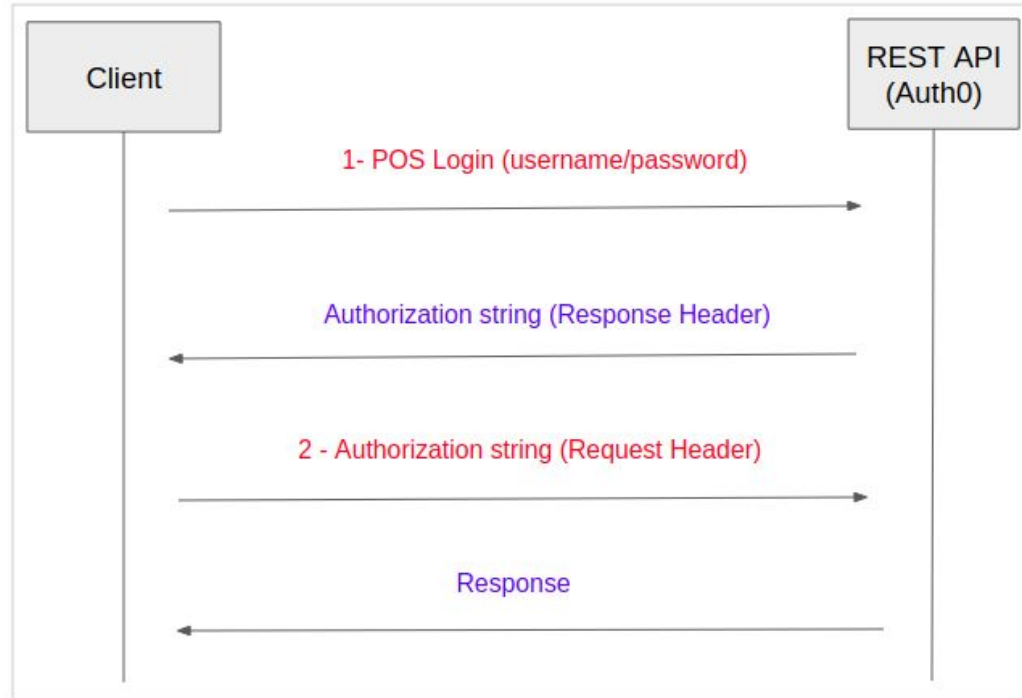


# Day06

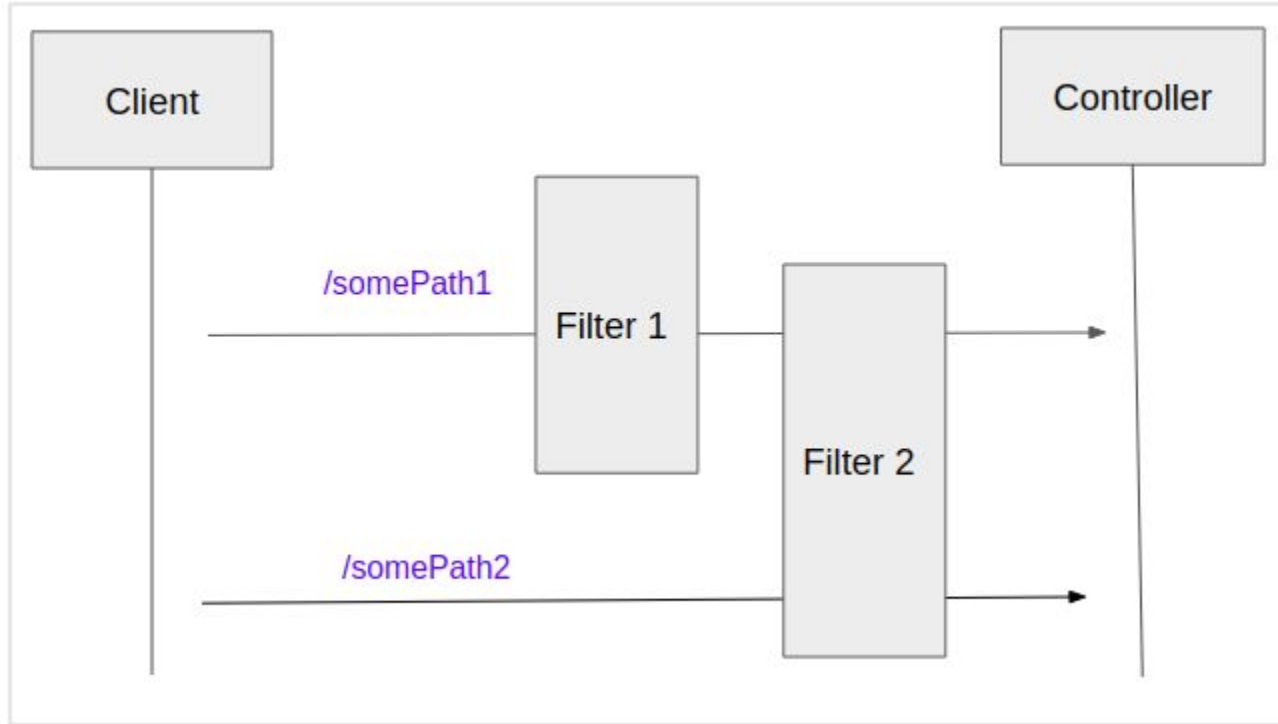
- Spring Security

- angular integration

# Rest API With Auth0

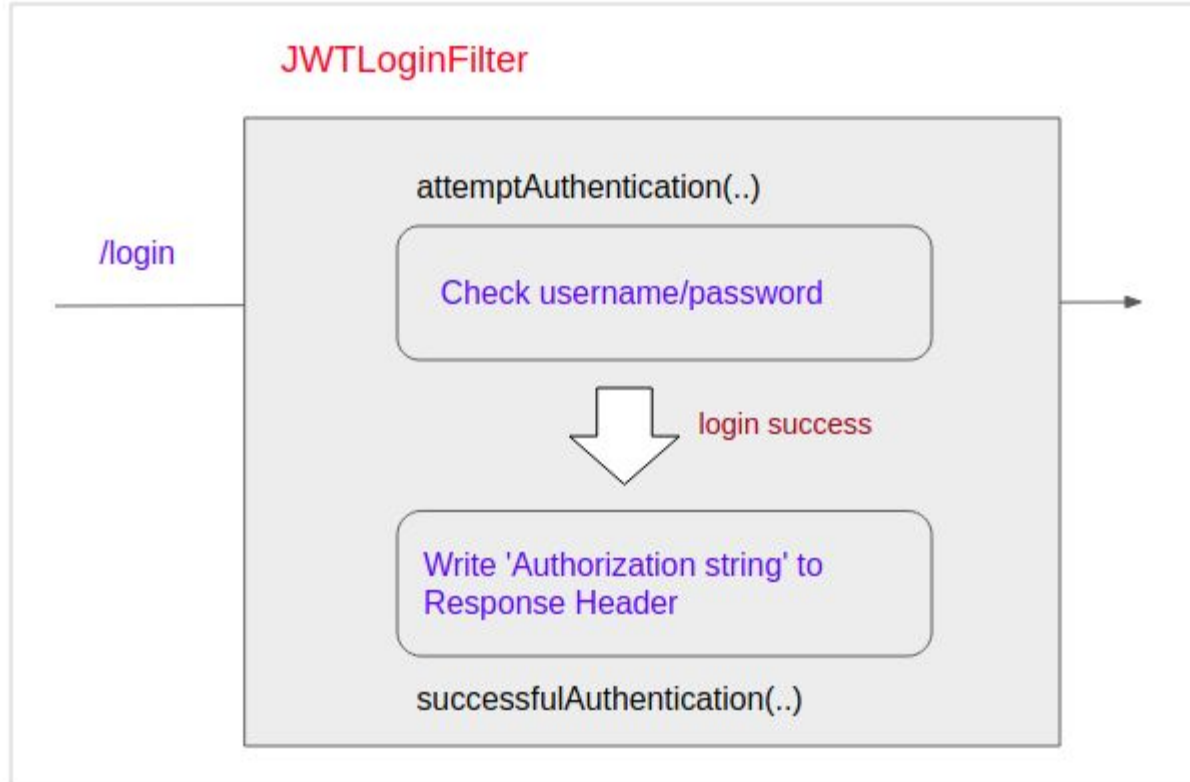


# Rest API With Auth0





# Rest API With Auth0



# Rest API With Auth0

