How to use spring:

* Import spring in maven
* Create Bean

<beans>

<bean id=”bean1” class=”??”>

<bean id=”bean2” class=”??”>

<constructor-arg ref=”id của bean”/>

</bean>

</bean>

* Call spring container:

Import import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

ApplicationContext context =new ClassPathXmlApplicationContext("spring.xml");

Drawing drawing = (Drawing)context.getBean("drawing");

drawing.draw();

Ví dụ Dùng Annotation

* Create a class
* Import configuration

import org.springframework.context.annotation.Configuration;

* Create a ConfigurationClass

@Configuration

* ConfigurationClass{

@Bean

//method returns the class which you want to use

}

* Call annotation

ApplicationContext context =new AnnotationConfigApplicationContext (TenClassChuaConfig.class);

HelloWorld helloWorld = (HelloWorld)context.getBean(“beanName”);

Auto Scan Component in Spring

* Import in spring.xml

<context:component-scan base-package="com.huongdanjava.springcomponentscan" />

* Add @ before the component you want Spring to auto-create: @Component, @Service, @Repository, @Controller

ApplicationContext context =new ClassPathXmlApplicationContext("spring.xml");

@Transactional: usually put at class. Every method of that class will have transaction. If it fails spring will have us to roll back

* Spring MVC

Dependencies:

<artifactId>spring-webmvc</artifactId>

<artifactId>javax.servlet-api</artifactId>

<artifactId>jackson-databind</artifactId>

Plugins:

<artifactId>maven-compiler-plugin</artifactId>

* + Tạo model
  + Tạo service
  + Tạo controller
  + Tạo AppConfig
  + Tạo app chạy spring boot

<https://viblo.asia/p/spring-mvc-build-a-simple-rest-api-APqReabPRVe>

<https://spring.io/guides/gs/rest-service/>

Spring-boot-starter-web

ResponseEntity : trả về json

* Exception Handling in Spring MVC

<https://www.journaldev.com/2651/spring-mvc-exception-handling-controlleradvice-exceptionhandler-handlerexceptionresolver#spring-exception-handling>

@Entity

@Table (tablename): present a table

spring.jpa.hibernate.ddl-auto=none: in properties: prevent spring from create new table