Product Table:

CREATE TABLE product (

id int NOT NULL AUTO\_INCREMENT, name varchar(255) NOT NULL, price decimal(10,2) NOT NULL, PRIMARY KEY (id)

);

Customer Table:

CREATE TABLE customer (

id int NOT NULL AUTO\_INCREMENT, name varchar(255) NOT NULL, address varchar(255) NOT NULL, PRIMARY KEY (id)

);

Manufacturer Table:

CREATE TABLE manufacturer (

id int NOT NULL AUTO\_INCREMENT, name varchar(255) NOT NULL, PRIMARY KEY (id)

);

class table:

CREATE TABLE `class` (

`class\_id` int(11) NOT NULL AUTO\_INCREMENT, `class\_name` varchar(255) NOT NULL,

`class\_code` varchar(255) NOT NULL, `class\_description` text NOT NULL, `class\_size` int(11) NOT NULL, `class\_room` varchar(255) NOT NULL, `class\_time` time NOT NULL, `class\_date` date NOT NULL, PRIMARY KEY (`class\_id`)

)

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class DemoApplication {

   public static void main(String[] args) {

      SpringApplication.run(DemoApplication.class, args);

   }

}

**Dao**

public class UserDao implements Dao<User> {

    private List<User> users = new ArrayList<>();

    public UserDao() {

        users.add(new User("John", "john@domain.com"));

        users.add(new User("Susan", "susan@domain.com"));

    }

    @Override

    public Optional<User> get(long id) {

        return Optional.ofNullable(users.get((int) id));

    }

    @Override

    public List<User> getAll() {

        return users;

    }

    @Override

**RestController**

package es.macero.dev;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.context.annotation.Bean;

import springfox.documentation.builders.PathSelectors;

import springfox.documentation.builders.RequestHandlerSelectors;

import springfox.documentation.spi.DocumentationType;

import springfox.documentation.spring.web.plugins.Docket;

import springfox.documentation.swagger2.annotations.EnableSwagger2;

@SpringBootApplication

@EnableSwagger2

public class SpringBootRestcontrollerExampleApplication {

public static void main(String[] args) {

SpringApplication.run(SpringBootRestcontrollerExampleApplication.class, args);

}

@Bean

public Docket api() {

return new Docket(DocumentationType.SWAGGER\_2)

.select()

.apis(RequestHandlerSelectors.any())

.paths(PathSelectors.regex("/getCustomersDetails"))

.build();

}

}

Pom.xml

<project xmlns="https://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:schemaLocation="https://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

  <modelVersion>4.0.0</modelVersion>

  <groupId>com.customer</groupId>

  <artifactId>customer-ws-spring-boot</artifactId>

  <version>2.3.0</version>

  <name>Spring Boot</name>

  <description>web services using Spring Boot.</description>

  <parent>

    <groupId>org.springframework.boot</groupId>

    <artifactId>spring-boot-starter-parent</artifactId>

    <version>2.1.1.RELEASE</version>

  </parent>

  <properties>

    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

    <java.version>11</java.version>

  </properties>

  <dependencies>

    <dependency>

      <groupId>org.springframework.boot</groupId>

      <artifactId>spring-boot-starter-web</artifactId>

    </dependency>

    <dependency>

      <groupId>org.springframework.boot</groupId>

      <artifactId>spring-boot-starter-actuator</artifactId>

    </dependency>

    <dependency>

      <groupId>org.springframework.boot</groupId>

      <artifactId>spring-boot-starter-data-jpa</artifactId>

    </dependency>

    <!-- Dependencies for Unit Testing -->

    <dependency>

      <groupId>org.springframework.boot</groupId>

      <artifactId>spring-boot-starter-test</artifactId>

      <scope>test</scope>

    </dependency>

    <dependency>

      <groupId>org.springframework.security</groupId>

      <artifactId>spring-security-test</artifactId>

      <scope>test</scope>

    </dependency>

    <dependency>

      <groupId>com.google.guava</groupId>

      <artifactId>guava</artifactId>

      <version>27.0.1-jre</version>

      <scope>test</scope>

    </dependency>

  <build>

    <plugins>

      <plugin>

        <groupId>org.springframework.boot</groupId>

        <artifactId>spring-boot-maven-plugin</artifactId>

        <configuration>

          <executable>true</executable>

        </configuration>

        <executions>

          <execution>

            <goals>

              <goal>build-info</goal>

            </goals>

          </execution>

        </executions>

      </plugin>

    </plugins>

  </build>

</project>