Here is the code for the BookstoreAPI project:

pom.xml

<?xml version="1.0" encoding="UTF-8"?>

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

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

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>bookstore-api</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>jar</packaging>

<name>BookstoreAPI</name>

<description>Online Bookstore API</description>

<parent>

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

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

<version>3.0.0</version>

<relativePath/> <!-- lookup parent from repository -->

</parent>

<properties>

<java.version>17</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-devtools</artifactId>

<scope>runtime</scope>

<optional>true</optional>

</dependency>

<dependency>

<groupId>org.projectlombok</groupId>

<artifactId>lombok</artifactId>

<optional>true</optional>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

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

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

</plugin>

</plugins>

</build>

</project>

build.gradle

plugins {

id 'org.springframework.boot' version '3.0.0'

id 'io.spring.dependency-management' version '1.0.11.RELEASE'

id 'java'

}

group = 'com.example'

version = '0.0.1-SNAPSHOT'

sourceCompatibility = '17'

repositories {

mavenCentral()

}

dependencies {

implementation 'org.springframework.boot:spring-boot-starter-web'

developmentOnly 'org.springframework.boot:spring-boot-devtools'

annotationProcessor 'org.projectlombok:lombok'

testImplementation 'org.springframework.boot:spring-boot-starter-test'

}

test {

useJUnitPlatform()

}

BookstoreAPIApplication.java

package com.example.bookstoreapi;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class BookstoreAPIApplication {

public static void main(String[] args) {

SpringApplication.run(BookstoreAPIApplication.class, args);

}

}

Project Structure:

The generated project structure is as follows:

bookstore-api/

src/

main/

java/

com/

example/

bookstoreapi/

BookstoreAPIApplication.java

resources/

application.properties

test/

java/

com/

example/

bookstoreapi/

BookstoreAPITest.java

resources/

test/

application.properties

pom.xml (or build.gradle)

What's New in Spring Boot 3:

Some of the new features introduced in Spring Boot 3 include:

Native Support for Java 17: Spring Boot 3 requires Java 17 as the minimum version.

New Maven and Gradle Plugins: Spring Boot 3 introduces new Maven and Gradle plugins that provide better support for building and deploying Spring Boot applications.

Improved Error Handling: Spring Boot 3 provides better error handling and debugging capabilities.

Enhanced Security: Spring Boot 3 includes improved security features, such as support for OAuth 2.1 and JWT.

New Actuator Endpoints: Spring Boot 3 introduces new Actuator endpoints for monitoring and managing applications.