# Spring REST using Spring Boot 3

## Create authentication service that returns JWT

### CODE:

**AuthController.java**

package com.example.jwt\_auth.controller;

public class AuthController {

}

**AuthService.java**

package com.example.jwt\_auth.service;

public class AuthService {

}

**CustomUserDetailsService.java**

package com.example.jwt\_auth.security;

public class CustomUserDetailsService {

}

**JwtAuthApplication.java**

package com.example.jwt\_auth;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class JwtAuthApplication {

public static void main(String[] args) {

SpringApplication.run(JwtAuthApplication.class, args);

}

}

**JwtAuthApplicationTests.java**

package com.example.jwt\_auth;

import org.junit.jupiter.api.Test;

import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest

class JwtAuthApplicationTests {

@Test

void contextLoads() {

}

}

**JwtResponse.java**

package com.example.jwt\_auth.dto;

public class JwtResponse {

}

**JwtTokenUtil.java**

package com.example.jwt\_auth.security;

public class JwtTokenUtil {

}

**SecurityConfig.java**

package com.example.jwt\_auth.config;

public class SecurityConfig {

}

**WebConfig.java**

package com.example.jwt\_auth.config;

public class WebConfig {

}

**application.properties**

spring.application.name=jwt-auth

**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 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<parent>

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

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

<version>3.5.3</version>

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

</parent>

<groupId>com.example</groupId>

<artifactId>jwt-auth</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>jwt-auth</name>

<description>Demo project for Spring Boot</description>

<url/>

<licenses>

<license/>

</licenses>

<developers>

<developer/>

</developers>

<scm>

<connection/>

<developerConnection/>

<tag/>

<url/>

</scm>

<properties>

<java.version>17</java.version>

</properties>

<dependencies>

<dependency>

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

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

</dependency>

<dependency>

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

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

</dependency>

<dependency>

<groupId>org.projectlombok</groupId>

<artifactId>lombok</artifactId>

<optional>true</optional>

</dependency>

<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>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

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

<configuration>

<annotationProcessorPaths>

<path>

<groupId>org.projectlombok</groupId>

<artifactId>lombok</artifactId>

</path>

</annotationProcessorPaths>

</configuration>

</plugin>

<plugin>

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

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

<configuration>

<excludes>

<exclude>

<groupId>org.projectlombok</groupId>

<artifactId>lombok</artifactId>

</exclude>

</excludes>

</configuration>

</plugin>

</plugins>

</build>

</project>

### OUTPUT:



