**Custom Authorization Annotation**

**Steps to import jar file into our project**

1. Right click on your project name -> click on **“Build path”** -> Click on **“Configure Build path”.**
2. Select “**Libraries tab”** in java build path -> Then click on **“ Module path”** -> Click on **“Add Extranal jars”** button and select your jar file.
3. Then click on “**Apply and Close”** Button.

**Now, your Jar file Configured successfully in your project.**

Steps to generate Token from Jar file:

1. Create an object for **“TokenUtil”** class and import TokenUtil class from **“com.Authorization.authorizationservice.model.TokenUtil”.**

Example: **TokenUtil tokenUtil = new TokenUtil();**

1. Call the **“generateToken(key)”** method using reference variable of a **TokenUtil** class.

It will generate a token using provided key and return the token.

Example: **String token = tokenUtil.generateToken(“key”);**

**Note:** You can use user details like username or email or id or phone etc as **key value.**

1. Generated token is used to check the Authorization in subsequent requests.

Steps to use **“@Authorization”** Annotation :

1. Add **“@Import(AppConfig.class)“** on your application main class, and import AppConfig class from **“com.Authorization.authorizationservice.configuration.AppConfig”.**
2. Add **“@componentScan”** on your main class.

Example:

@ComponentScan({"**Your application package**","com.Authorization.authorizationservice.configuration"}).

1. Add these below two dependencies in your **pom.Xml**

**<dependency>**

**<groupId>org.springframework</groupId>**

**<artifactId>spring-aop</artifactId>**

**<scope>compile</scope>**

**</dependency>**

**<dependency>**

**<groupId>io.jsonwebtoken</groupId>**

**<artifactId>jjwt</artifactId>**

**<version>0.9.1</version>**

**</dependency>**

1. Place the “**@Authorization”** annotation on your controller class or request method.
2. When you placed @Authorization annotation on controller class it will check authorization for all public methods in the controller class.
3. When you placed @Authorization annotation on request method it will check authorization for that particular method only.

And import the “**@Authorization”** annotation from “**com.Authorization.authorizationservice.annotation.Authorization”**