Spring boot security.

JWT : JSON Web Token

JWT we use while dealing with Rest API. to provide authentication and authorization.

JWT mainly divided into 3 parts

Header : algorithms

Payload : your unique information to generate the token

Emailid with role etc.

Signature

Spring boot with JWT

Starter 🡪 web

Starter 🡪 security

Starter 🡪 jpa

Starter 🡪 mysql

Starter -🡪devtool

Then few jwt dependencies

<dependency>

<groupId>io.jsonwebtoken</groupId>

<artifactId>jjwt-api</artifactId>

<version>0.11.5</version>

</dependency>

<dependency>

<groupId>io.jsonwebtoken</groupId>

<artifactId>jjwt-impl</artifactId>

<version>0.11.5</version>

<scope>runtime</scope>

</dependency>

<dependency>

<groupId>io.jsonwebtoken</groupId>

<artifactId>jjwt-jackson</artifactId>

<version>0.11.5</version>

<scope>runtime</scope>

</dependency>

Spring boot Lombok library

Whenever we create java bean class or entity class with @Entity annotation in that class we need to write private variable and setter/getter method, empty or parameter constructor, tostring method.

Lombok is third party library, spring boot provided this library using starter they provide few annotation which help to avoid boiler code like setter/getter, toString method, constructor empty or parameter only we need to write property with few annotation. Those annotation provides set all method respective that property like @Data, @Setter, @Getter, @NoArgConstructor , @ToString etc