#### Spring Boot –JWT Integration

Update the pom.xnl file with below dependency.

```
<dependency>
  <groupId>io.jsonwebtoken</groupId>
  <artifactId>jiwt</artifactId>
  <version>0.6.0 </version>
</dependency>
```

## Steps involved in this approach

- 1. Create JWT Token for combining both username and password.
- 2.Include this generated token in each and every request headers.
- 3.In the target micro service once you reach the request headers data decode the jwt token.
- 4. Compare the Logged in user details against decoded JWT token values.
- 5. On successful validation of these credentials provide access to resource.

### Step1: JWT token generation.

## Step 2: Once JWT Token generated include this token in headers.

#### Step3: In the target Micro Service (rest Controller) decode the jwt token as mentioned below.

# Step 4: Validate the decoded JWT tokenvalues on successful validate provide the access to resource.

```
String jwtUsername = JwtUtil.qetSubject(httpServletResponse, listObj, signingKey);
  String jwtPassword = JwtUtil.getPassword(httpServletResponse, listObj, signingKey);
      if (userCredentials != null)
             userCredjson = new JSONObject(userCredentials.toString());
             if (userCredjson != null)
               username = userCredjson.optString("username");
             if (username != null)
               customerObj = customerService.getCustomerDetails(username);
                   if (customerObj != null) {
      // Comapare the object from database and de copuled details from JWT Token
details ..
      if ((jwtPassword.equals(customerObj.getPassword())) &&
             jwtUsername.equals(customerObj.getUsername())) {
             validation = true;
             Step 5 : Provide the access to resource
             LOGGER.info("JWT Token Validataion Sucessful in customer Service.");
             } else {
             LOGGER.info("JWT Token Validataion failed in customer Service.");
             validation = false;
             Step 5: Won't Provide the access to resource
         }
```