Microservice Project – E-Commerce Website

Project Structure –

1. App
2. Entity/Model
3. Controller
4. Repository

All services are maven based.  
  
Initial Project Testings :   
  
  
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Dependencies & Purpose :

1. Spring Web
2. H2 Database
3. Spring Data JPA
4. Spring Initializr

**Product Catalog Service**  
  
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Important Learnings -   
1. How repository fetches data according to the attributes created.

2. Custom requests can be made in repository , the method name and the parameter must be a declared attribute inside entity , datatype and the attribute name are important while defining a new method.

3.While making mapping , if 2 mapping are similar it can give illegal exception of unable to handle ambiguous mappings

JSON data format :

{

"id": 1,

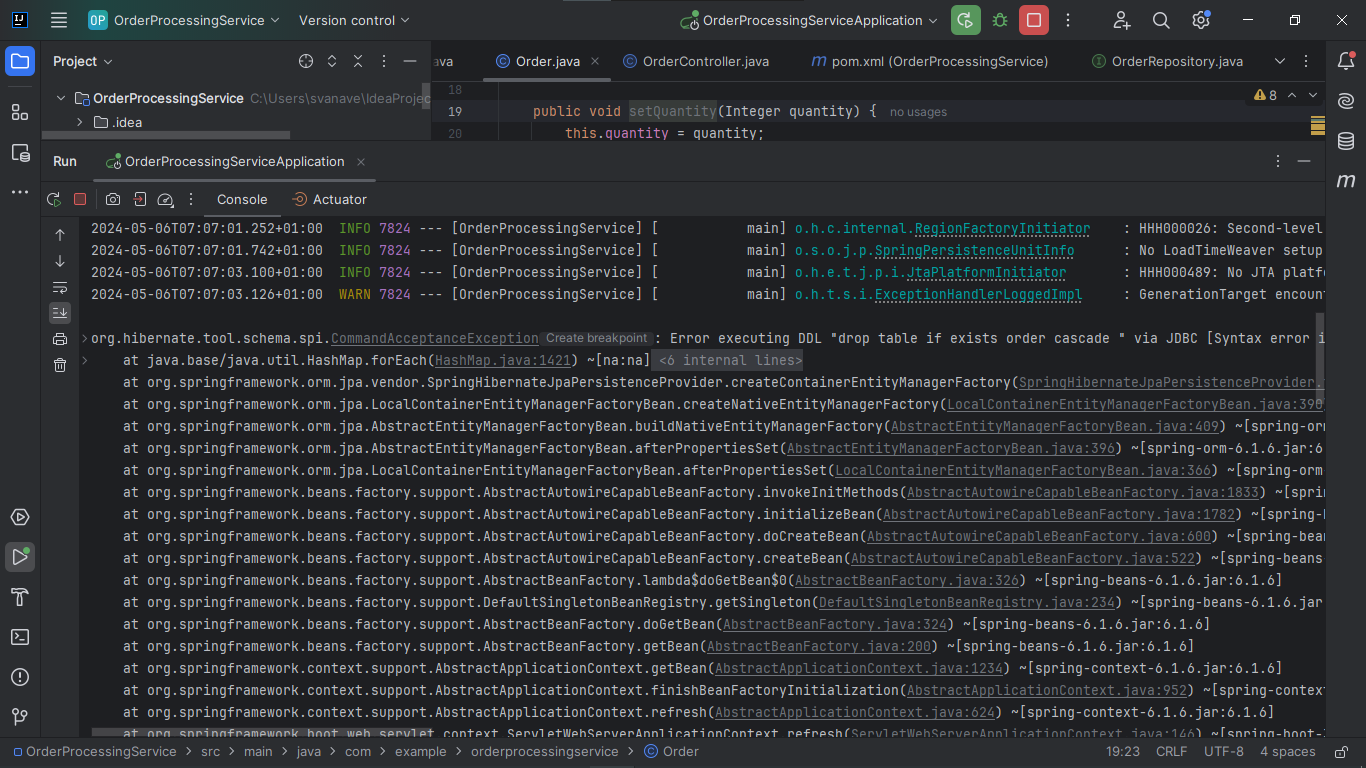
"product": "phone",

"cost": 800000,

"category": "eletronics"

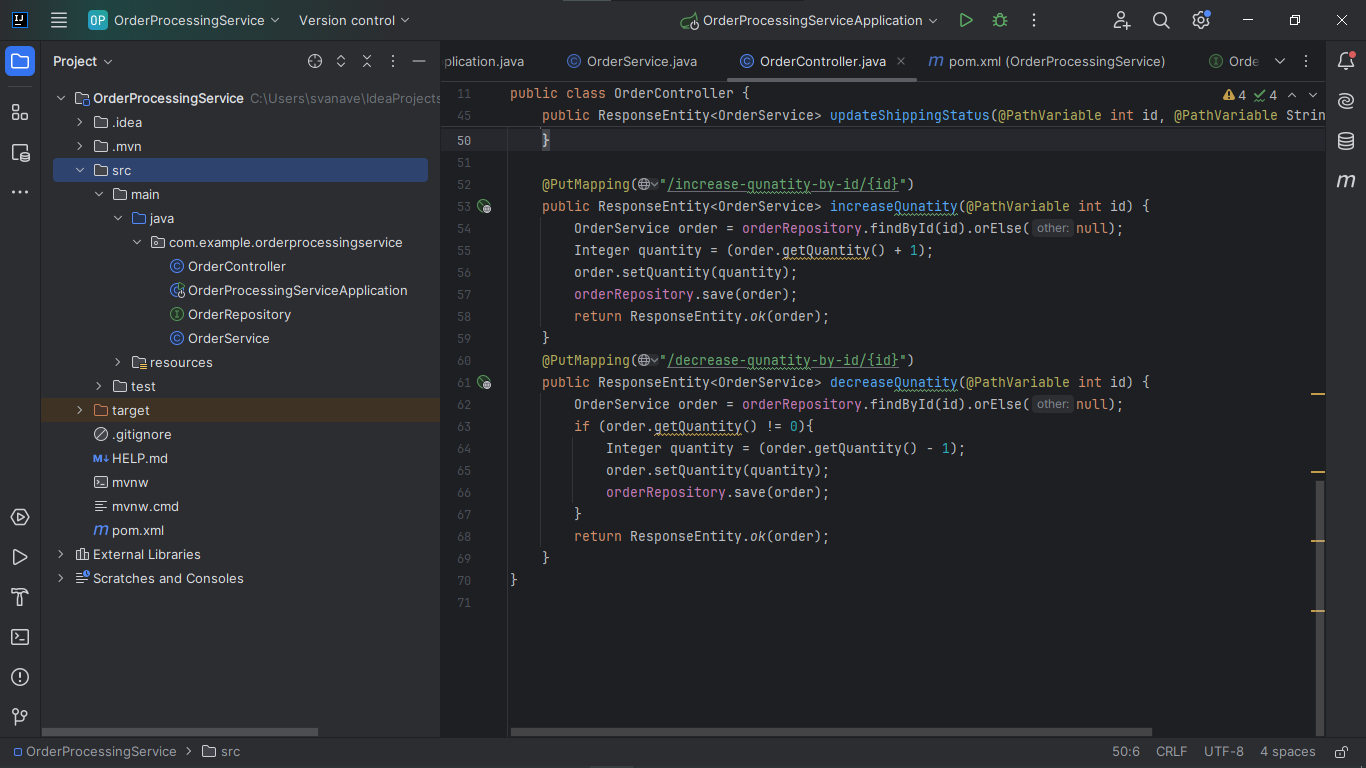
}

**Order Processing Service**

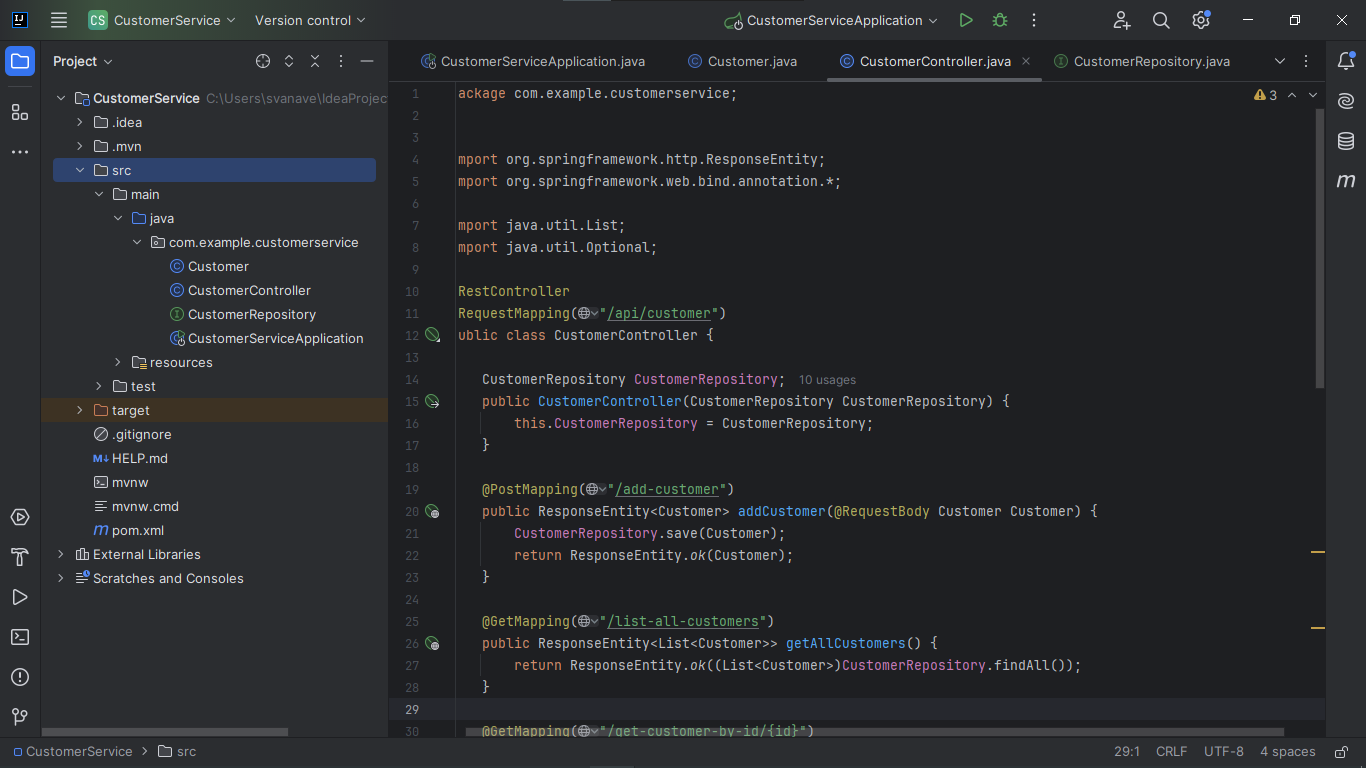
**Issue while creating order service -  
**SpringBoot derives table name from entity class name , its shows :  
Error executing DDL "drop table if exists order cascade " via JDBC [Syntax error in SQL statement

"drop table if exists [\*]order cascade "; expected "identifier";]  
 **Tried Solutions :**1.checked if Id is declared correctly

2.As table name is incorrect , so renamed Entity class to OrderService **A screenshot of a computer

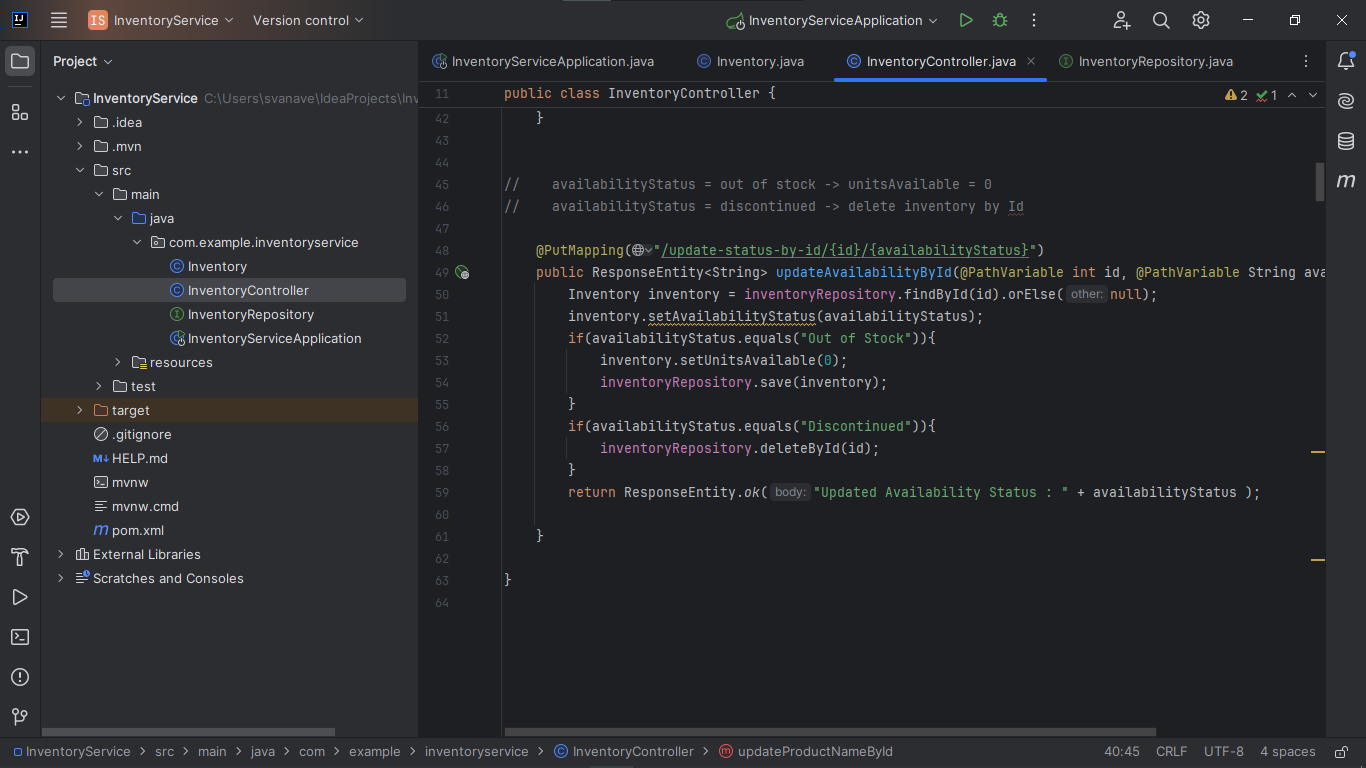
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**Customer Service**

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Inventory Service**

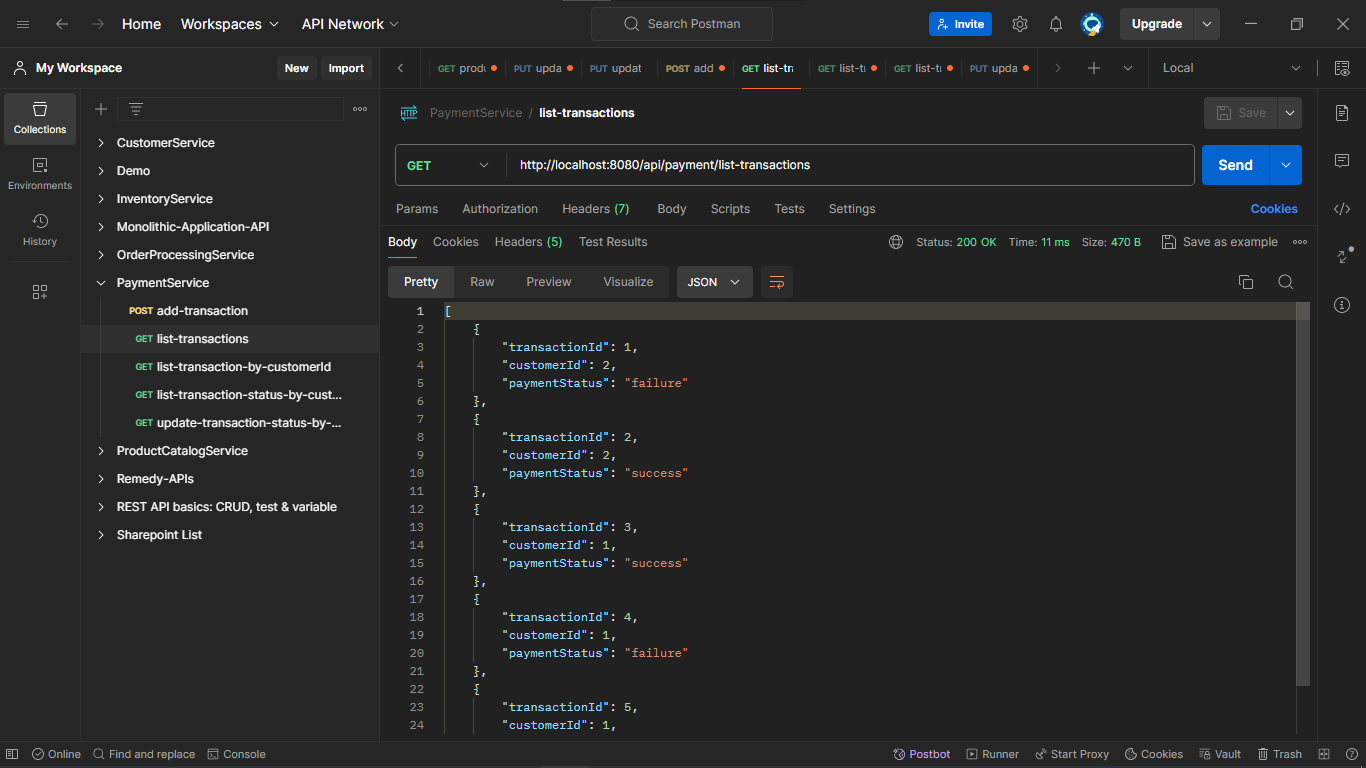
1. **Remember to save the data into repository after updating**

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**Payment Service**

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