**Capstone project**

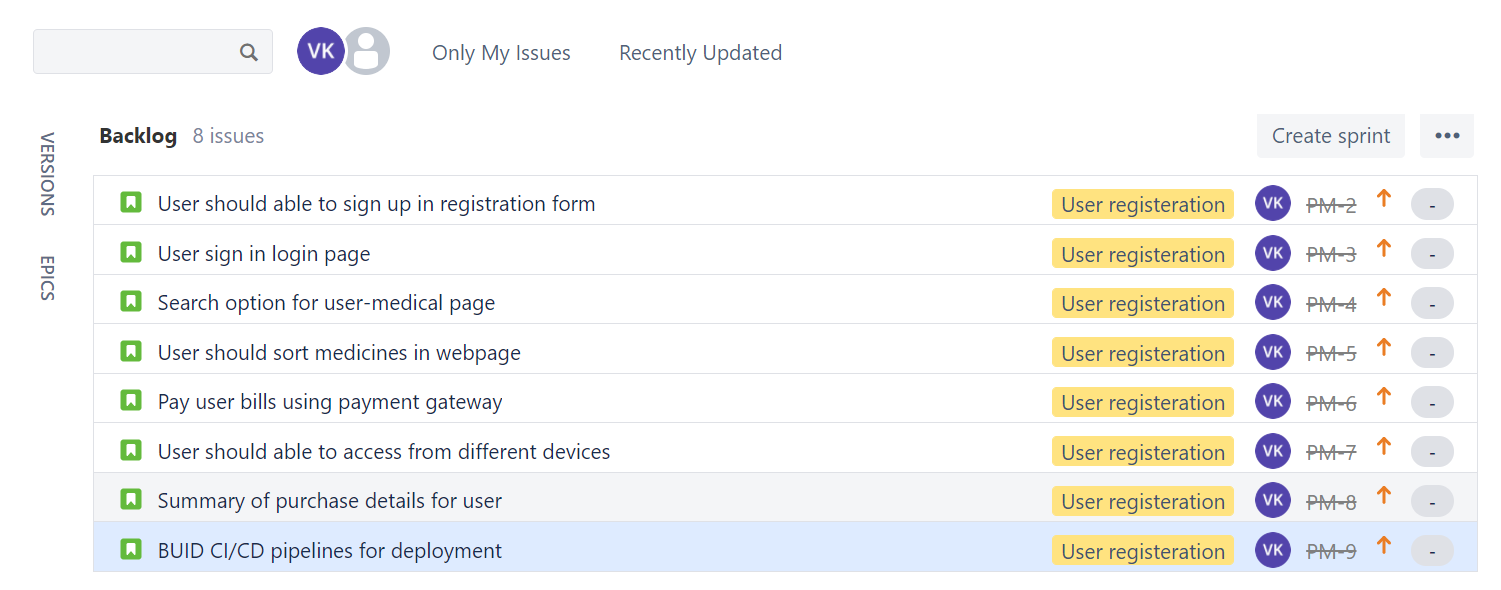
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* *TESTING AND DEVOPS USING JENKINS.*
* *PROJECT SCREENS*

|  |  |
| --- | --- |
| **Technologies used** | |
| *Project Management* | *JIRA* |
| *Database Management* | *MySQL* |
| *Backend Development* | *Java Programming, JPA, Hibernate, Spring Boot* |
| *Frontend Development* | *Angular, Bootstrap, HTML/CSS, Javascript, and NodeJS* |
| *Testing and DevOps* | *Selenium, TestNG, Jenkins, GitHub, Docker,* |

**PROJECT MANAGEMENT JIRA STORIES**

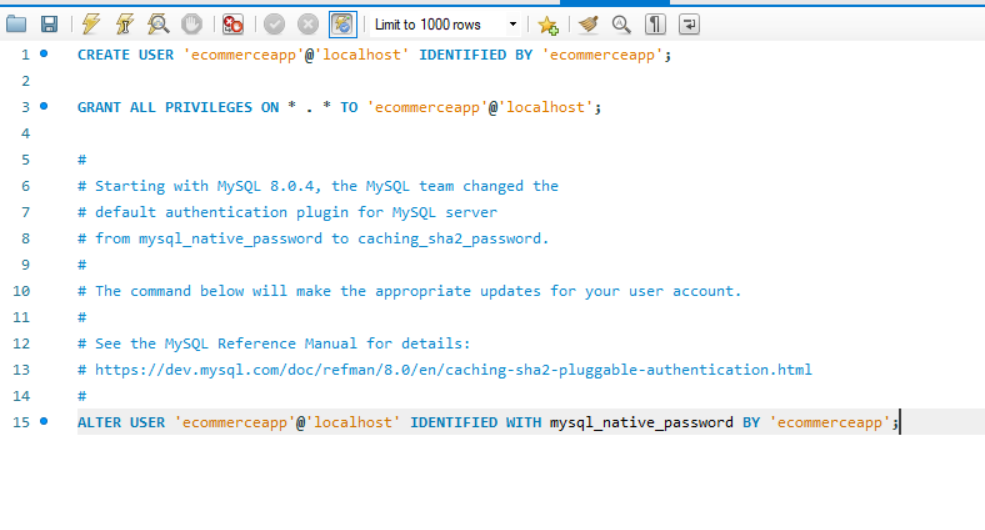
Sprint User stories:



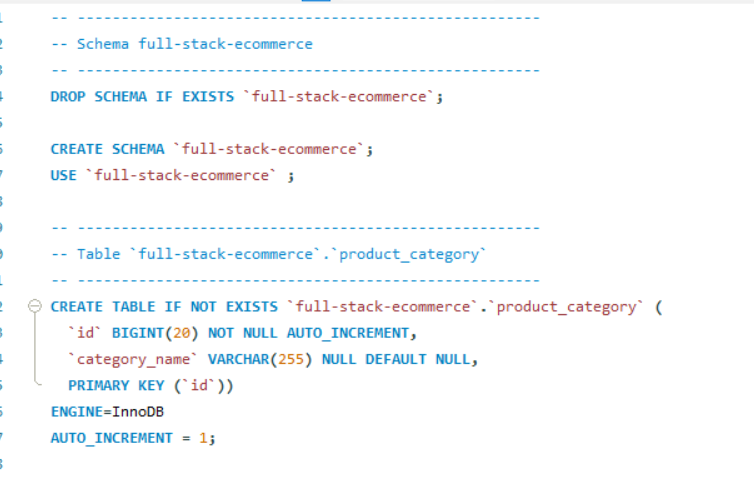
**DATABASE DESIGN AND SETUP**

User Creation

* User name: ecommerceapp
* Password: ecommerceapp

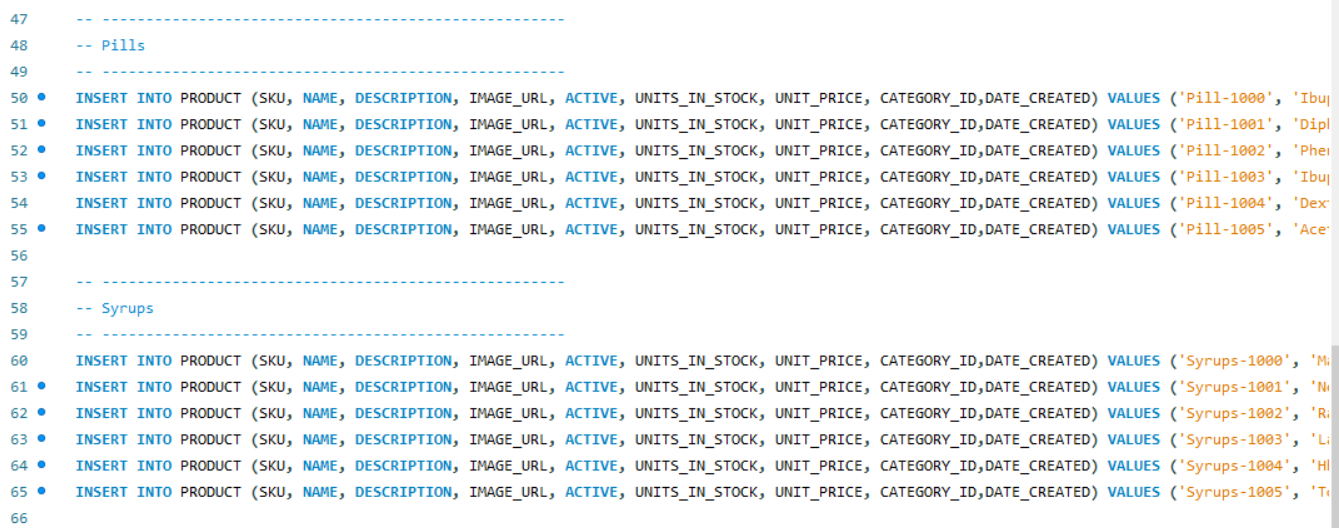


Create DB and Table:

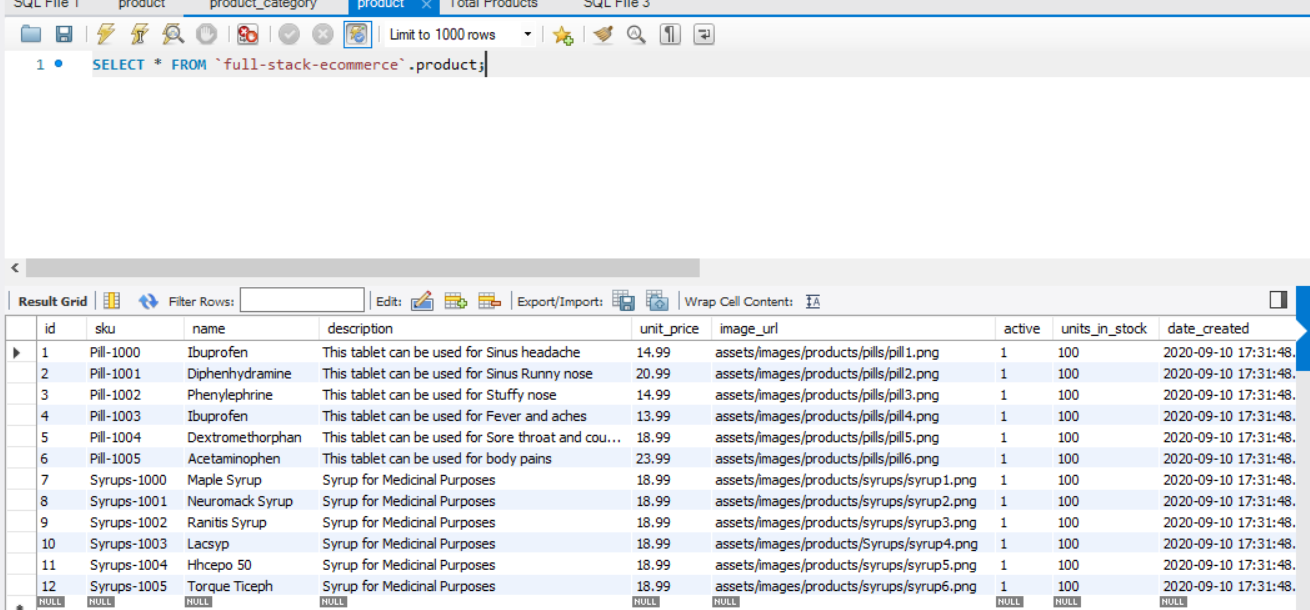




Inserting data into tables:

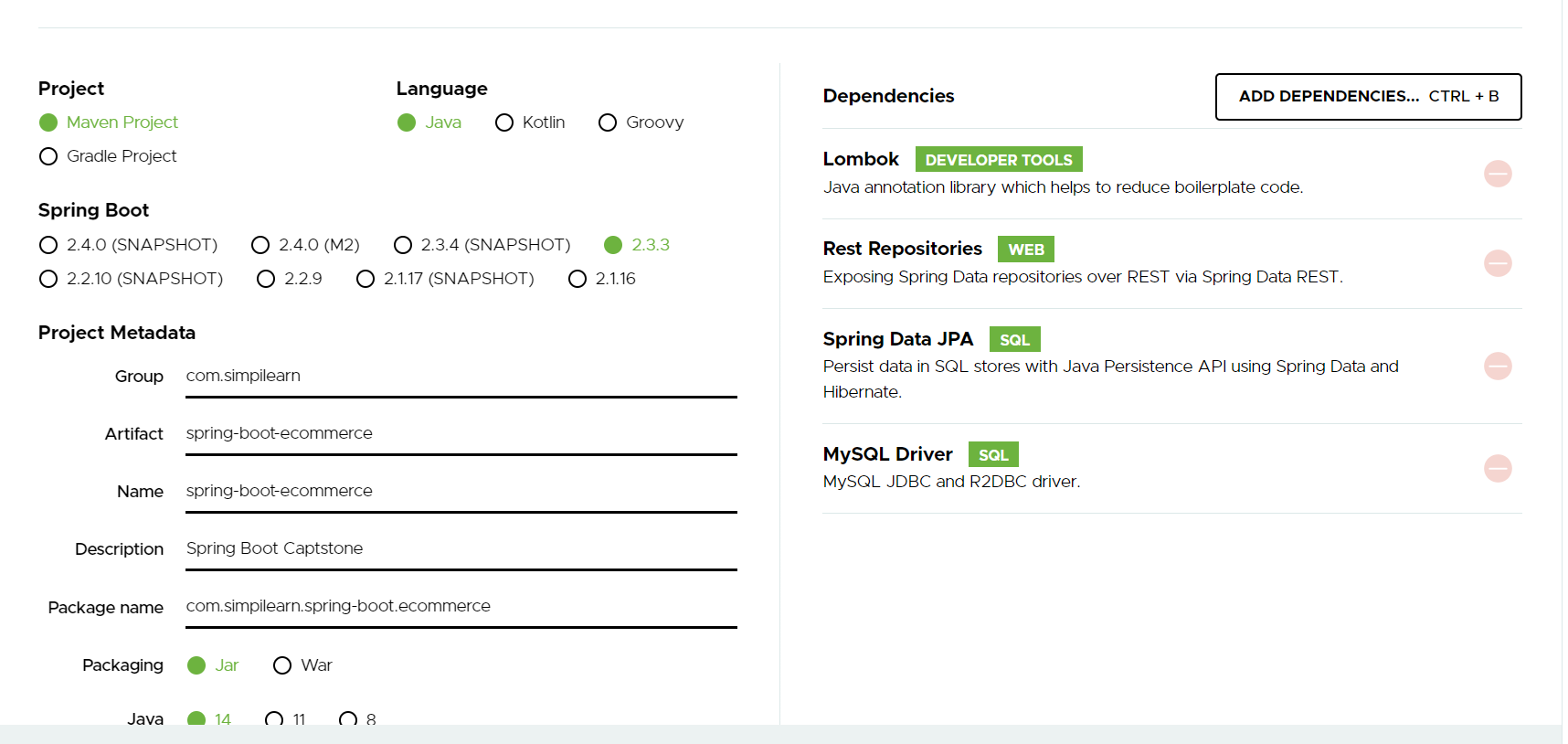


Data Result Set:



**BACKEND REST API DEVELOPMENT**

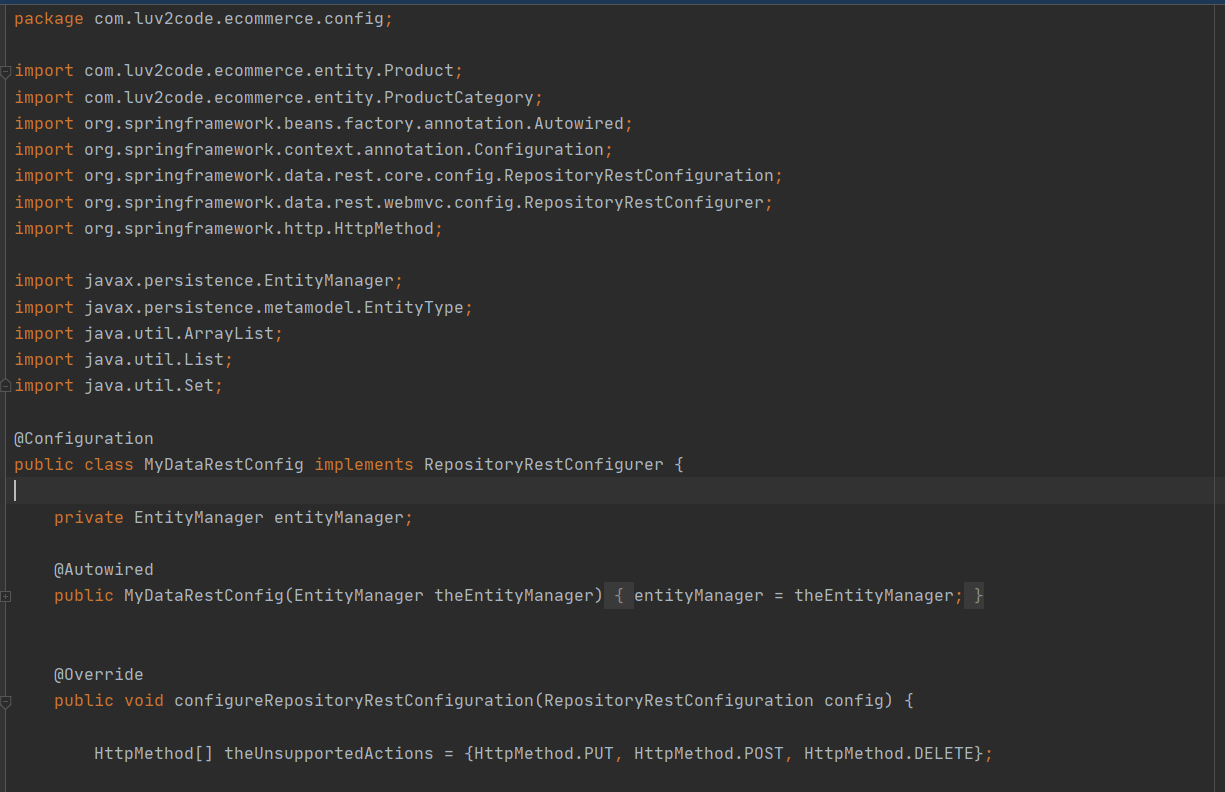
SPRING INITIALIZER:

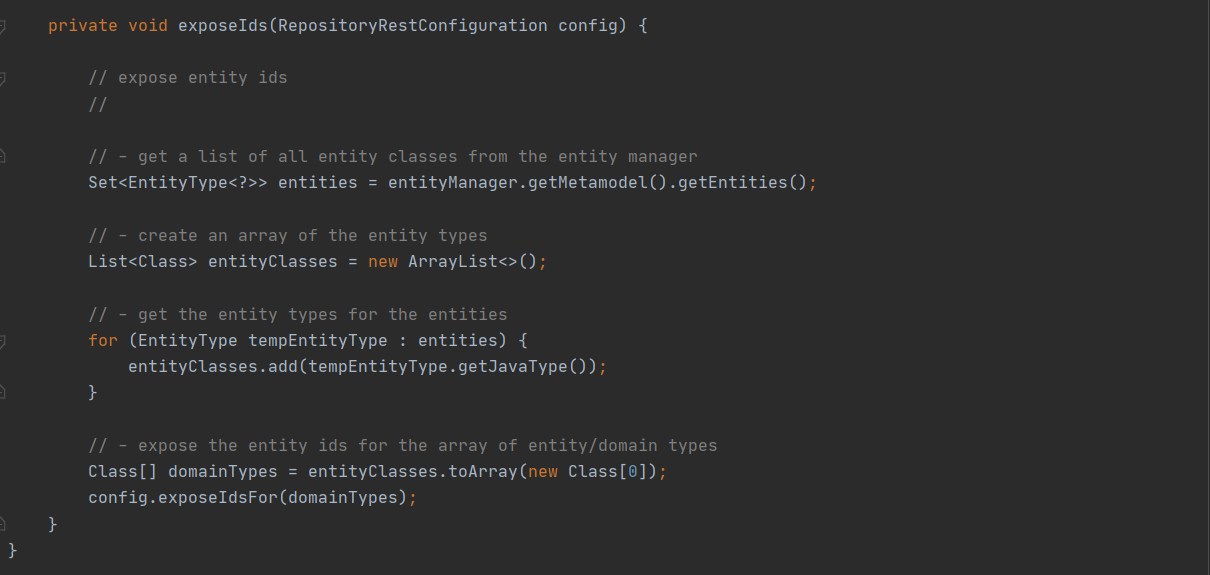
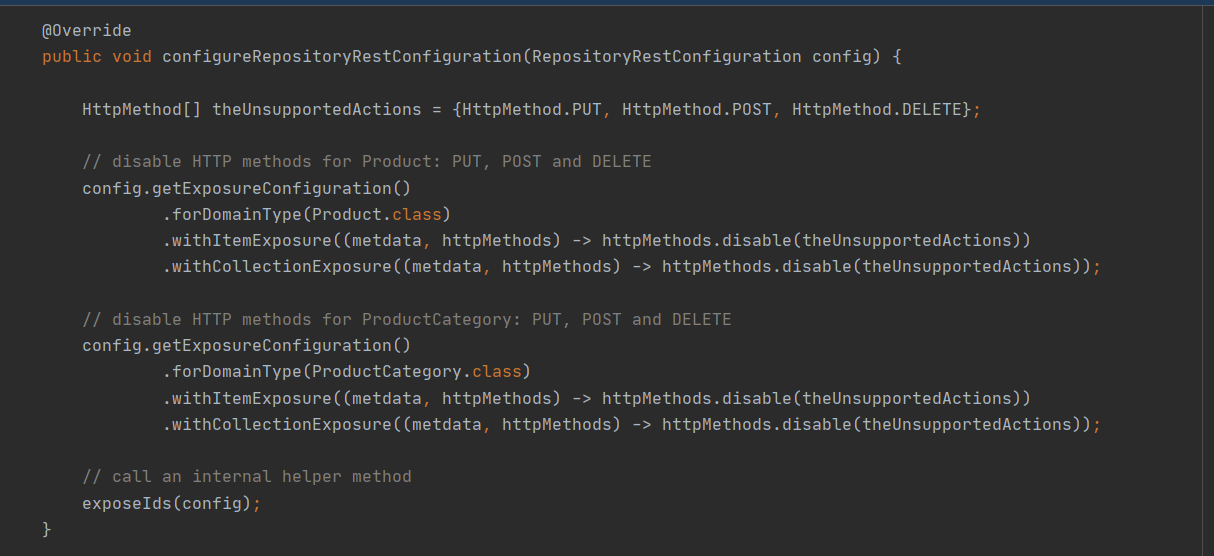


Project Structure:



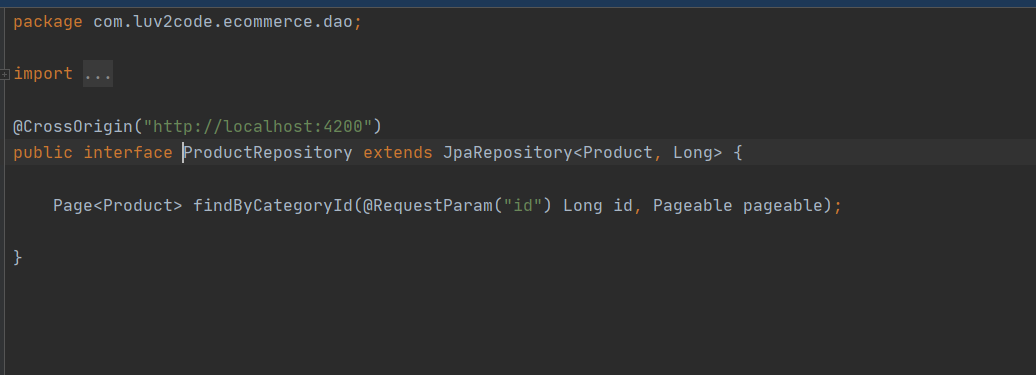
ProductEntity :



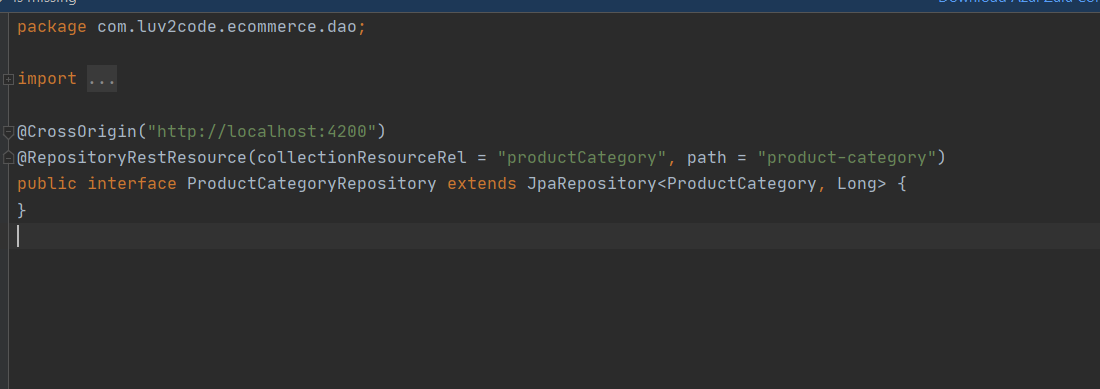


Product Category Entity:

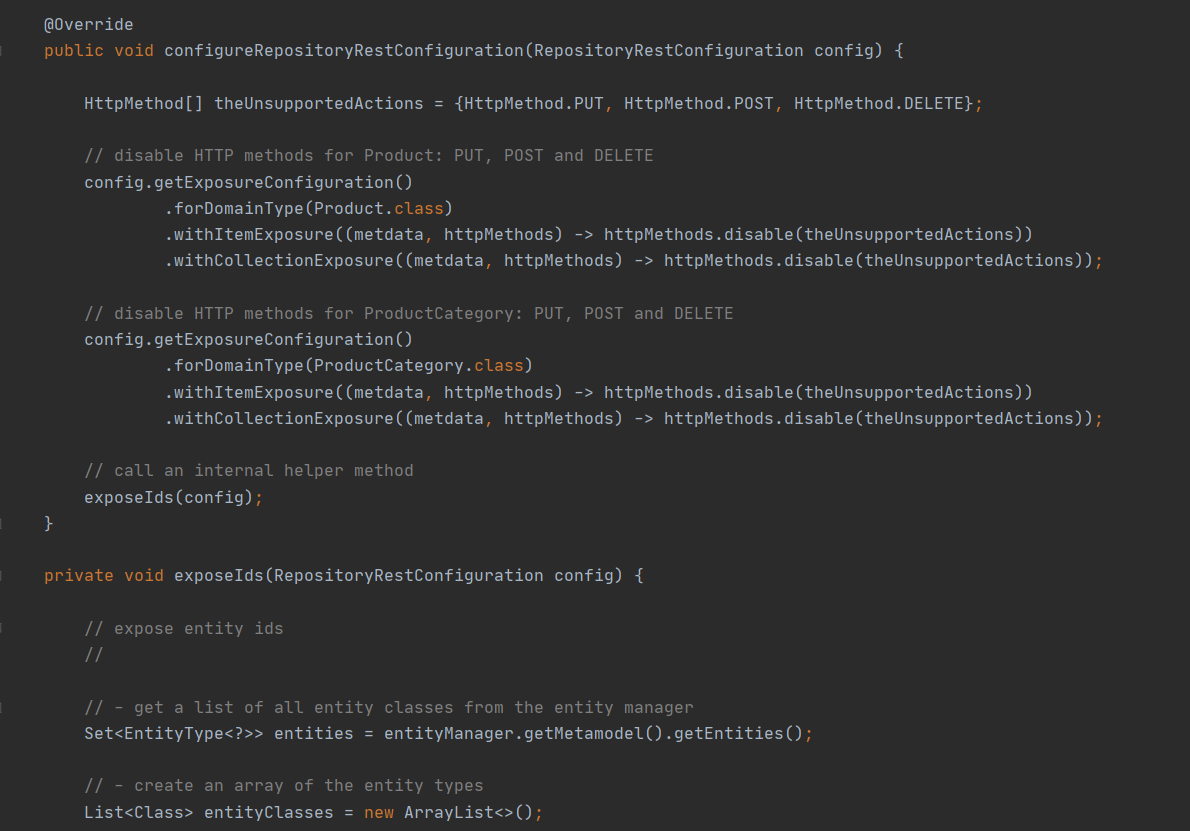
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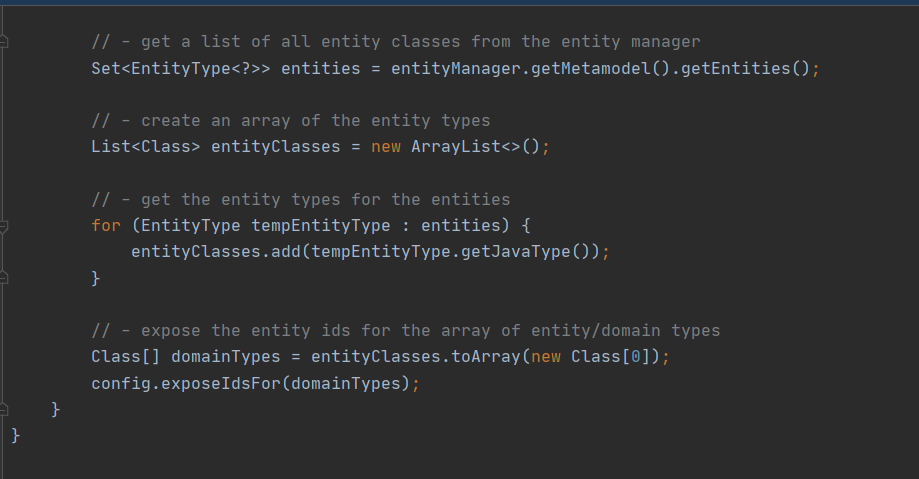


Product Category Repository:



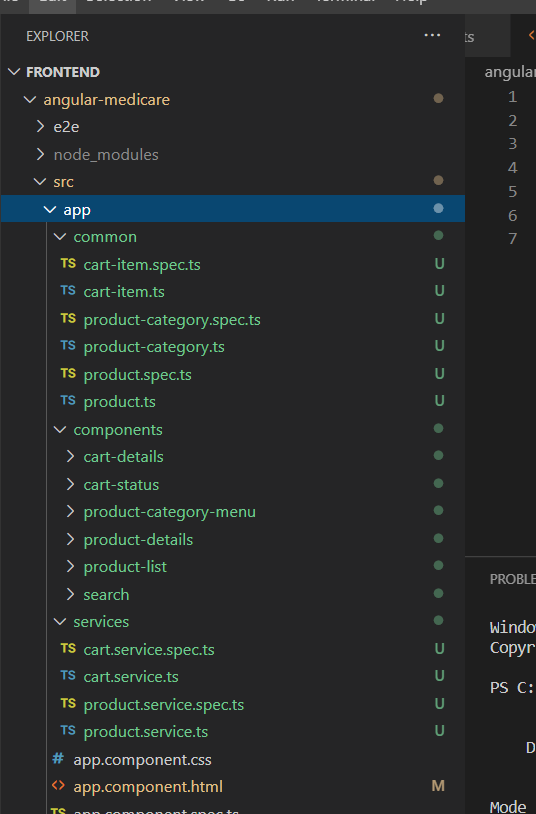
RestConfig:

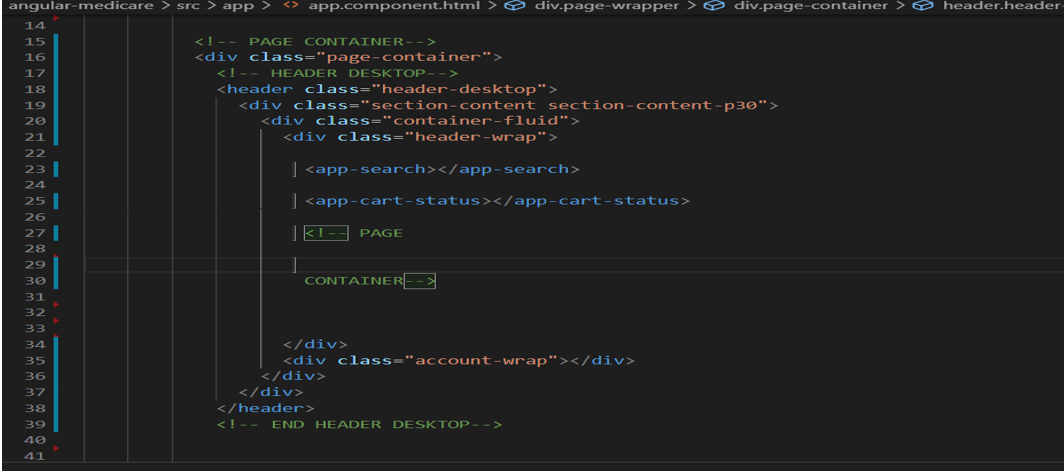




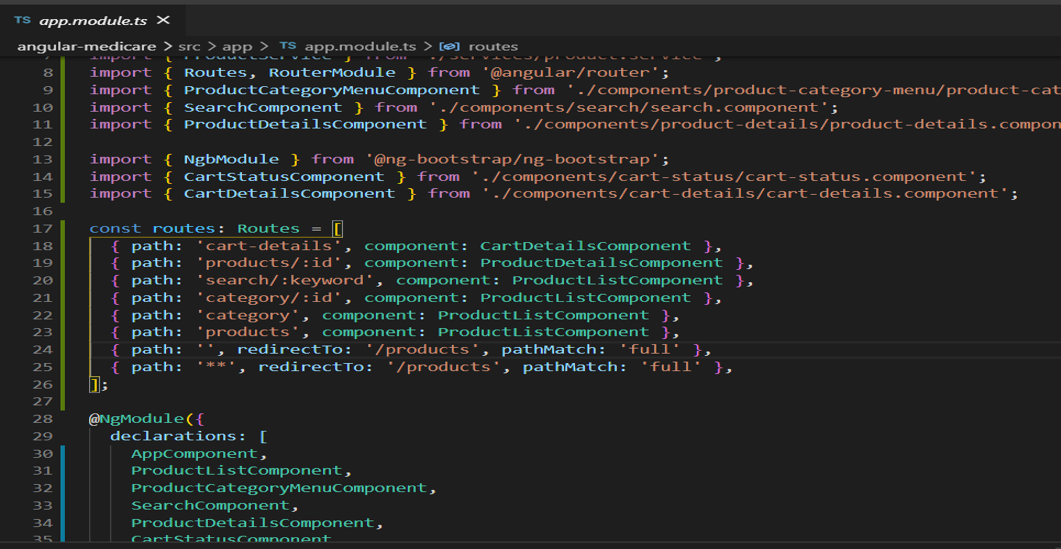
**FRONEND DEVELOPMENT**

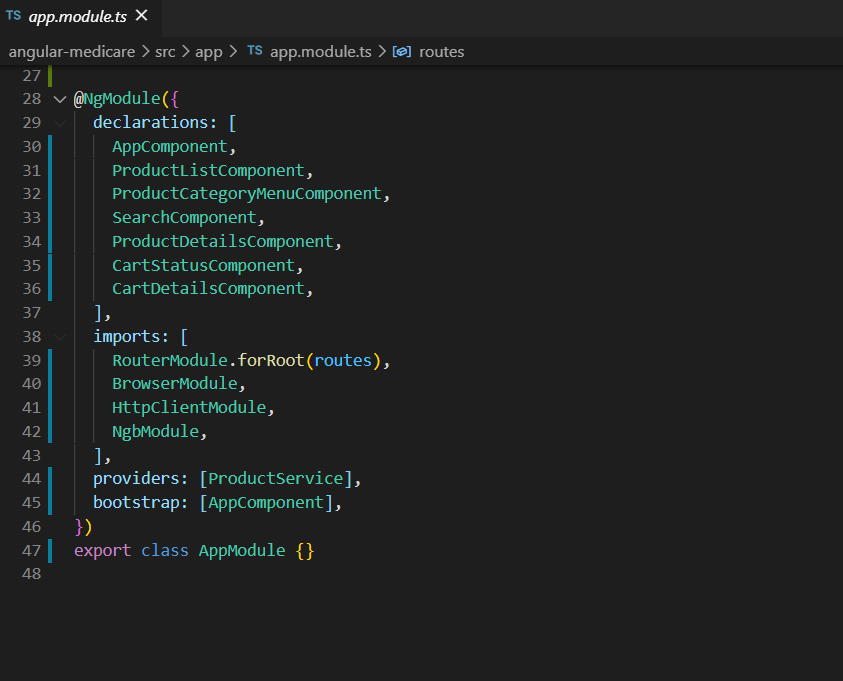
FrontEnd Project Structure:



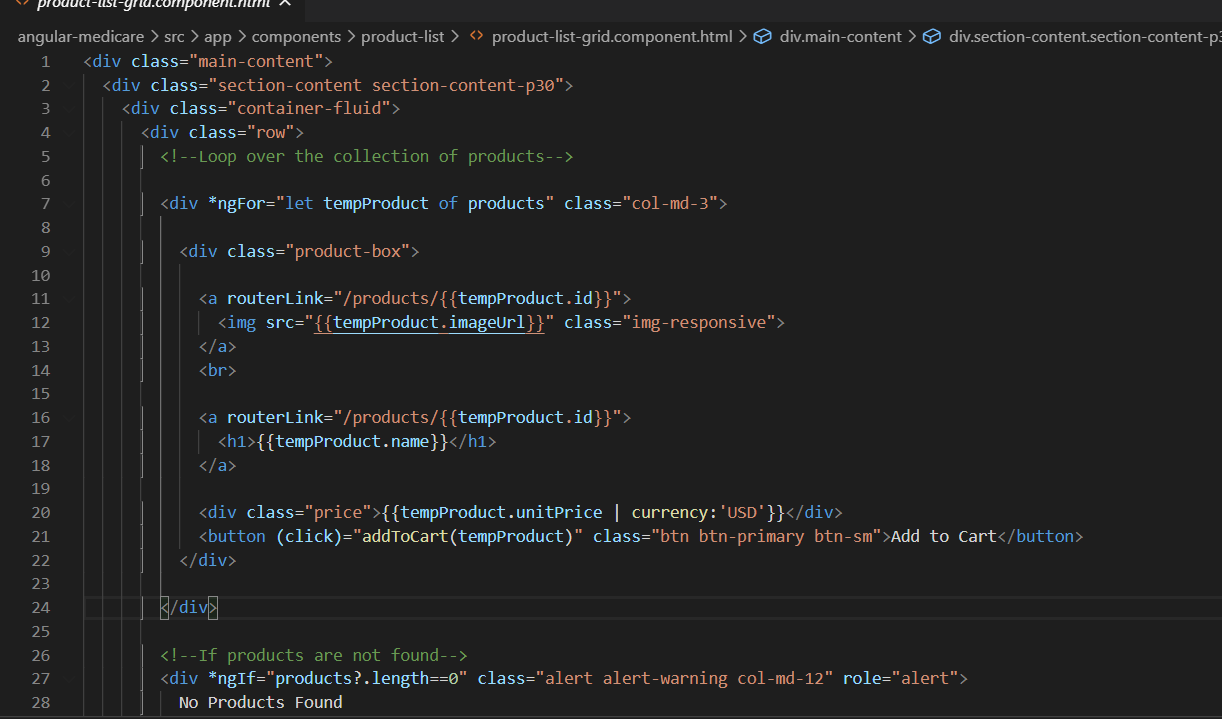


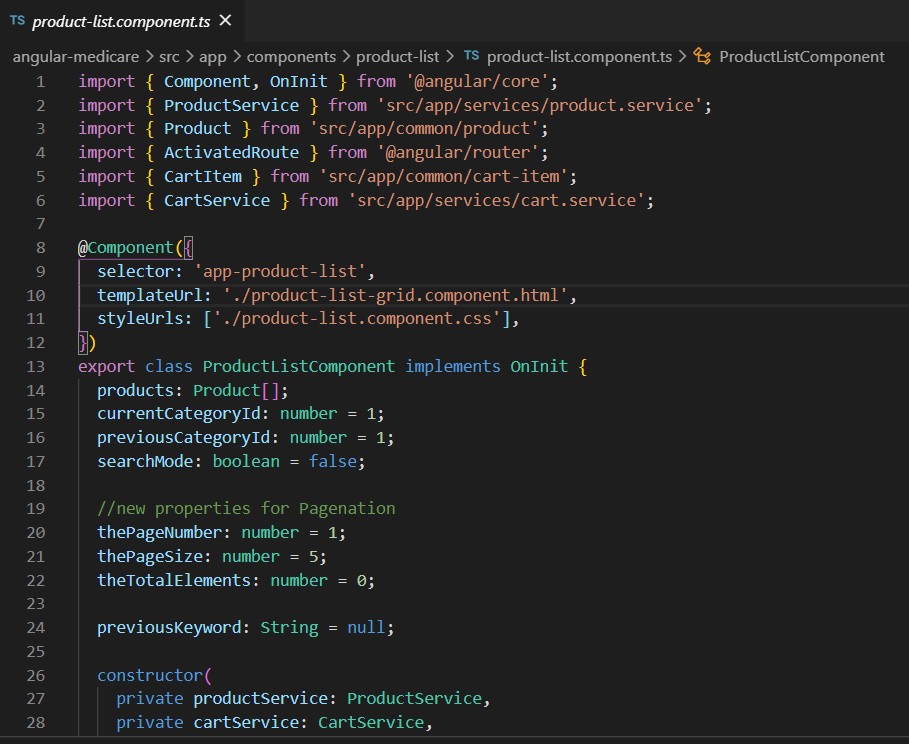
AppModule:

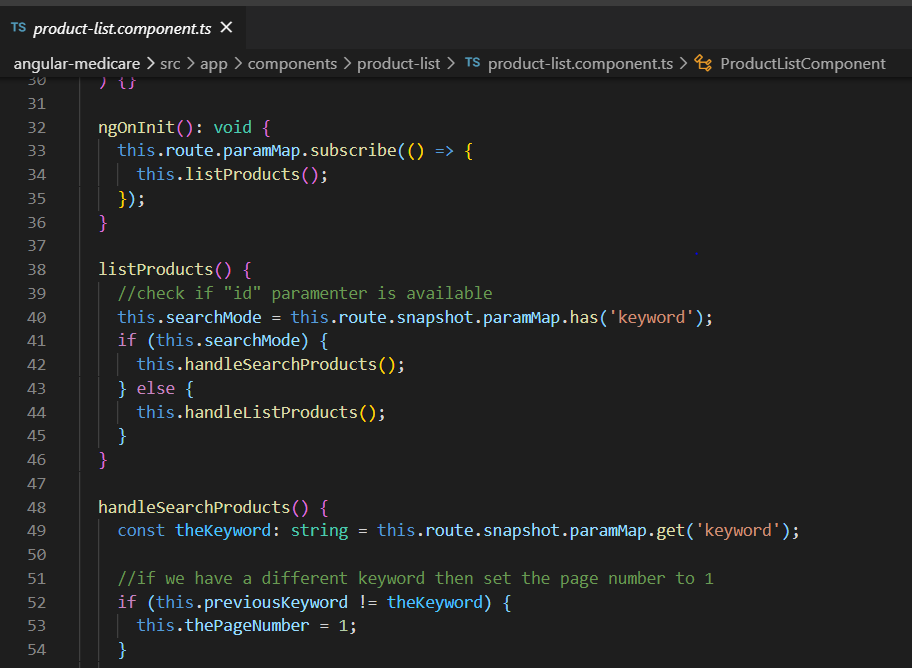




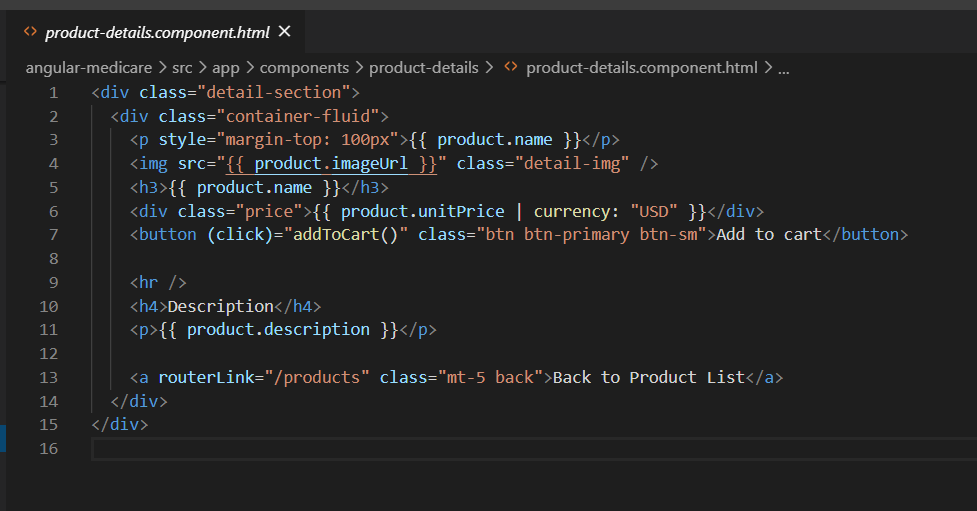
Product\_List



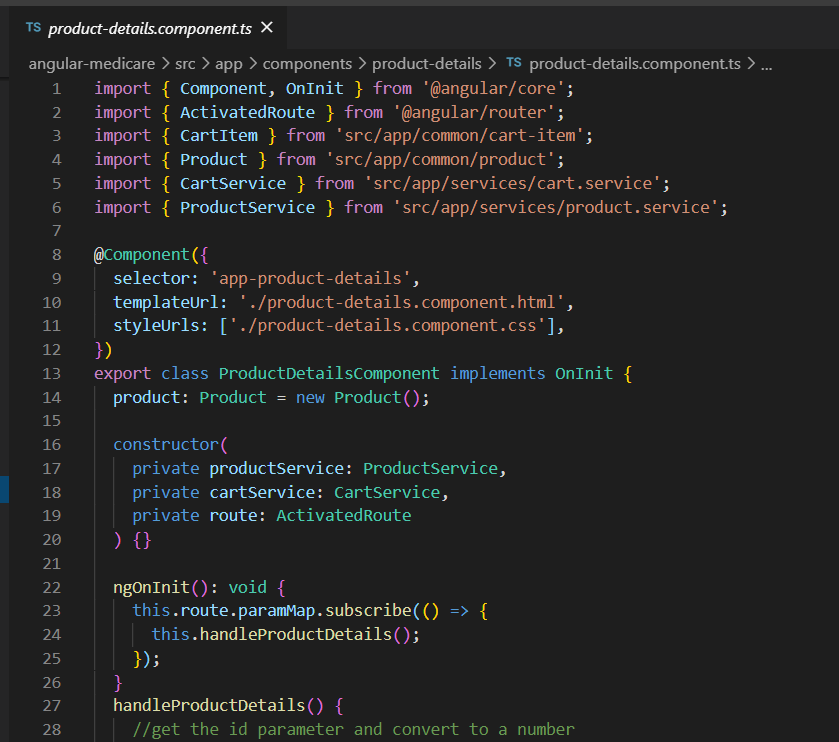
ProductList



Product Details

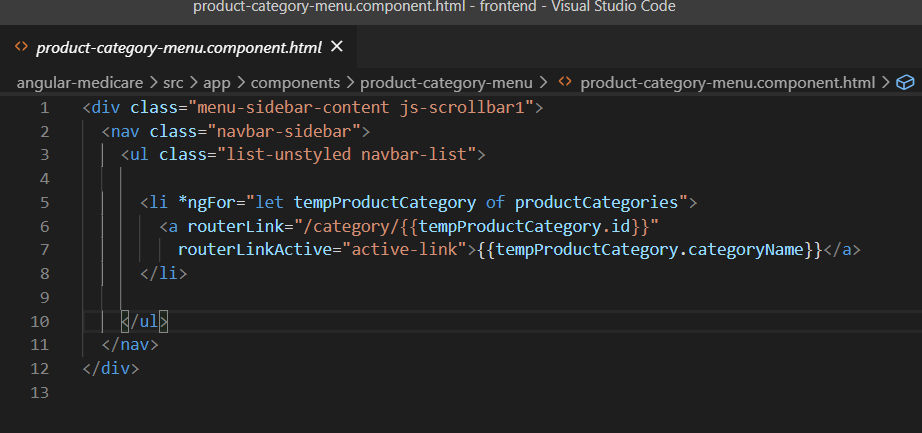


ProductDetails.ts

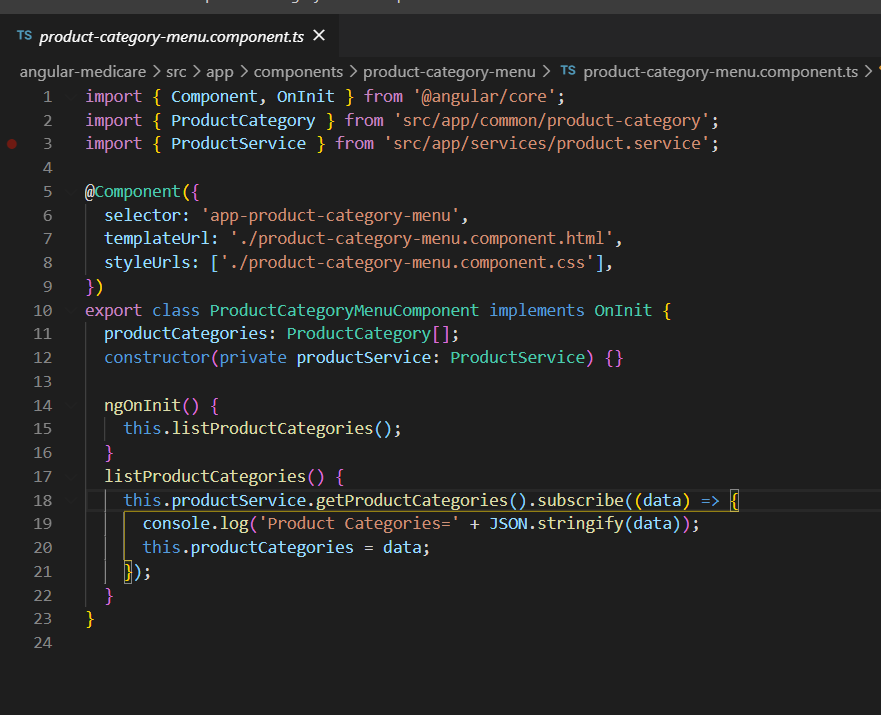




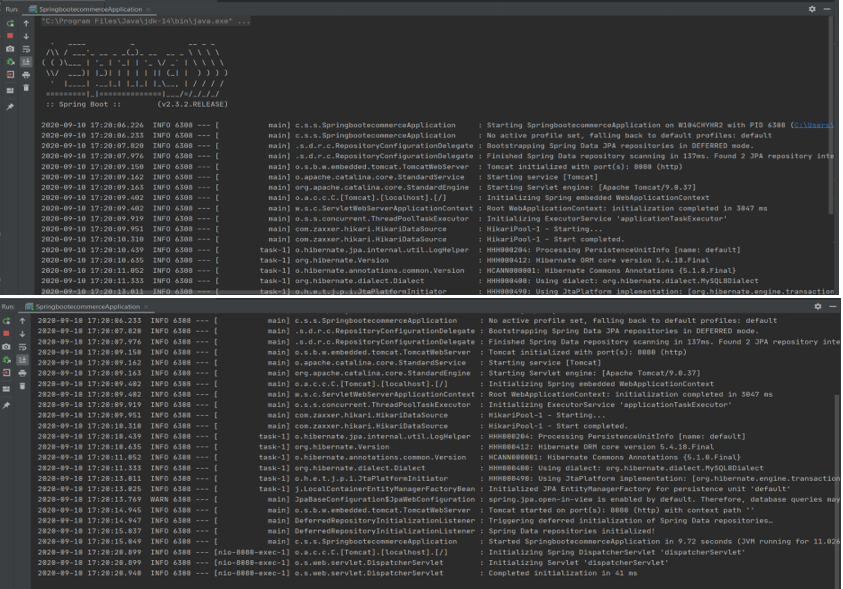
Product Category

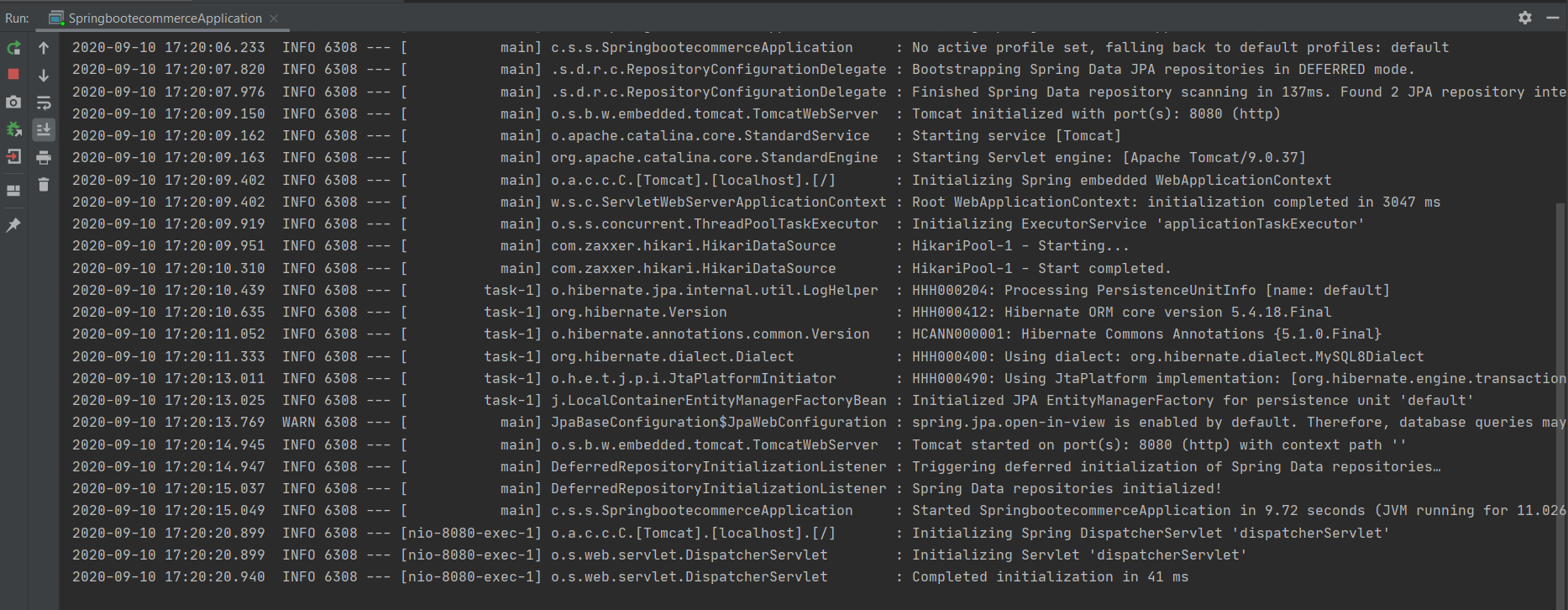


Product-category.ts



Backend output





<http://localhost:8080/api>

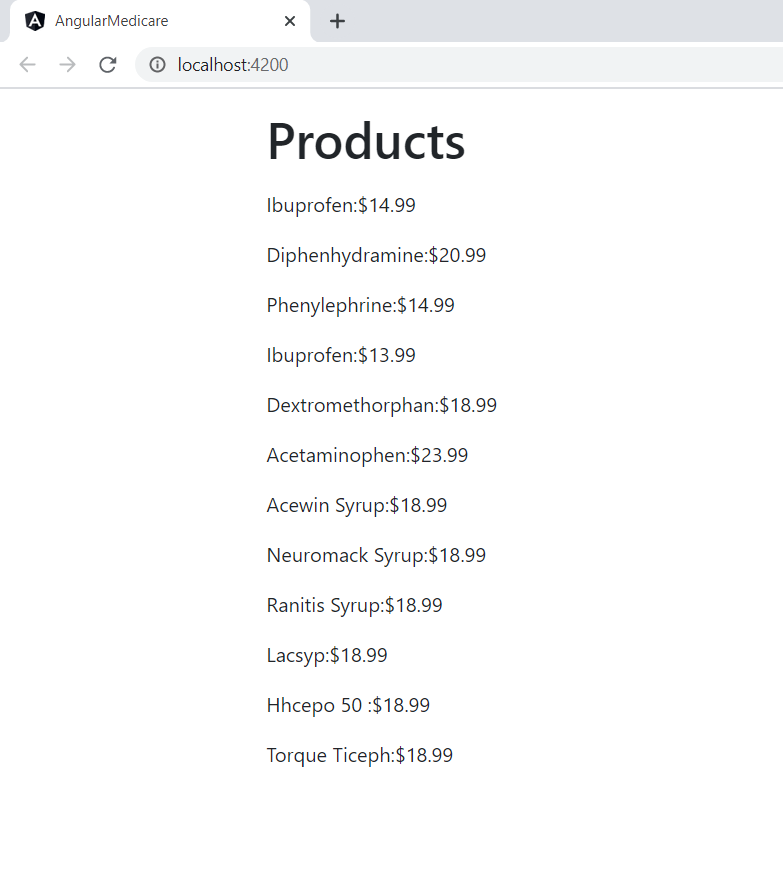


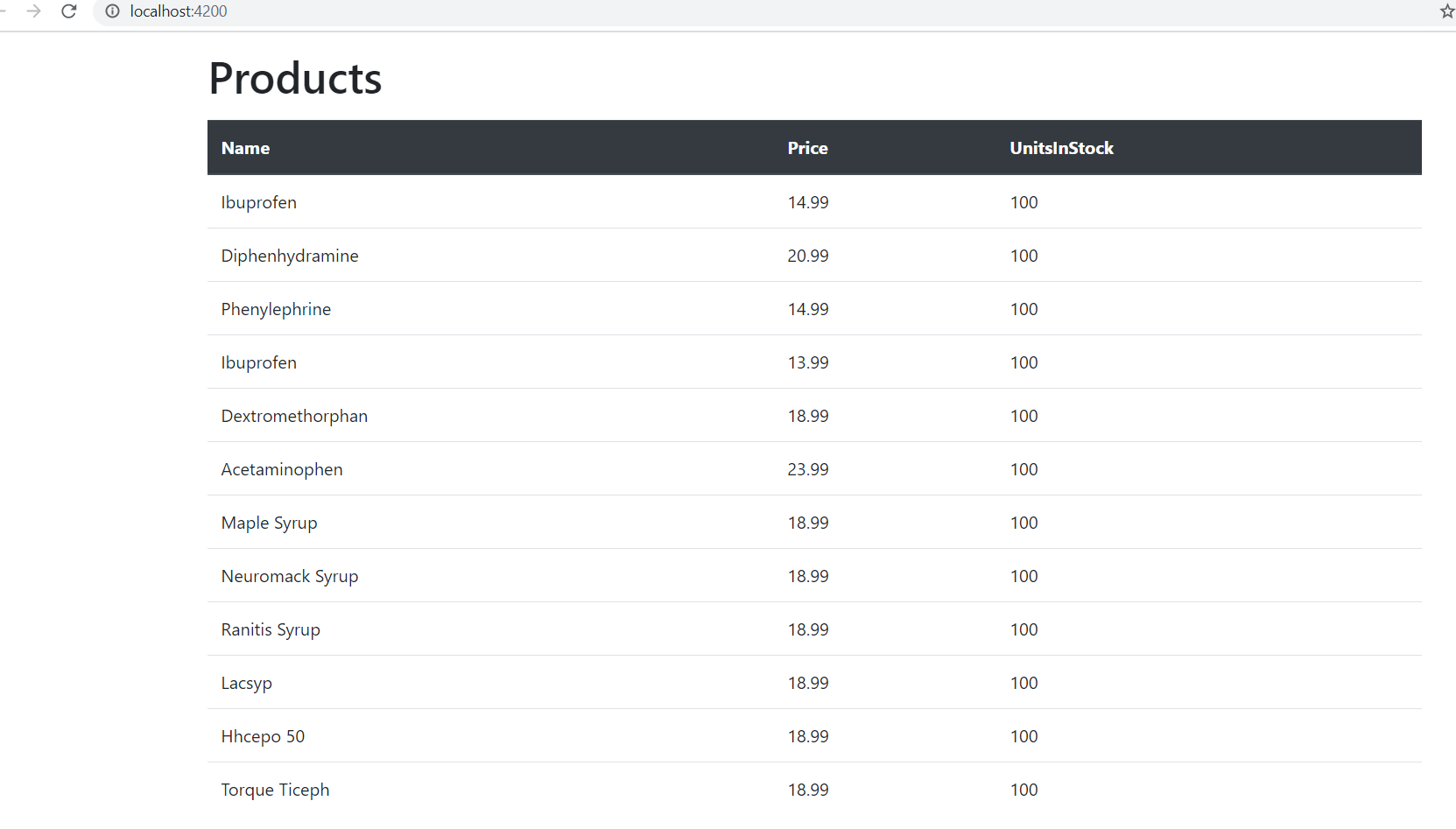
Json Url: [http://localhost:8080/api/product-category ](http://localhost:8080/api/product-category%20%20%20)



<http://localhost:8080/api/products>

FRONTEND Angular Output





<http://localhost:8080/api/products/search/findByCategoryId?id=1>



<http://localhost:8080/api/products/search/findByCategoryId?id=2>



FindByNameContaining

<http://localhost:8080/api/products/search/findByNameContaining?name=Neuromack%20Syrup>



