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Spring Boot 9AM

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Download Code:

https://www.mediafire.com/file/k6rp1ljsq5jb1kz/SpringBoot9AM_MS_FULLPRJECT08072021_RAGHU.zip/file

Order Module (Order MS)

*) Place one Order for a Customer

*...1

Order -----<> Customer

-> While placing order, client app has to send order details and customerId

-> get Customer info using FeignClient, check is customer active or not?

If active place order and give success message, else throw CustomerInactiveException, handle using Global Exception handler and return custom error message.

-> If we give order-id , we should able to see order and customer data

===OrderMS=====

a. Name : SpringCloudOrderService

Dep : web, lombok, devtools, data jpa, mysql,
Actuator, Config Server, Admin Server
, Open Feign

b. At main class : @EnableEurekaClient

c. Properties file:

--application.properties---
server.port=8086

#For Eureka

spring.application.name=ORDER-SERVICE

#eureka.client.service-url.defaultZone=http://localhost:8761/eureka

#For Admin Server

#management.endpoints.web.exposure.include=*

#spring.boot.admin.client.url=http://localhost:9999

#Database Connection

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver

spring.datasource.url=jdbc:mysql://localhost:3306/boot9am

spring.datasource.username=root

spring.datasource.password=root

#ORM/JPA Details

spring.jpa.show-sql=true

spring.jpa.hibernate.ddl-auto=create

spring.jpa.database-platform=org.hibernate.dialect.MySQL8Dialect

--bootstrap.properties-----

```
#For Config server
spring.cloud.config.uri=http://localhost:8888
```

3. Model class

4. Service

5. Consumer

6. restController

-----Execution order-----

1. Eureka | Config | Admin servers

2. MS Apps

- a. Consumer
- b. Order

3. Zuul API

http://localhost:8761/

http://localhost:9999/applications

4. Execute Operations

a. Create Customer

POST http://localhost:9696/cust-api/rest/customers/create SEND

```
{
  "custName" : "AJAY",
  "custMail" : "aj@gmail.com",
  "custMobile" : "9876543210",
  "custAddr" : "ABC-HYD"
}
```

b. View Customer

GET http://localhost:9696/cust-api/rest/customers/find/id/1 SEND

c. Activate/Inactivate Customer

PATCH http://localhost:9696/cust-api/rest/customers/activate/1 SEND

PATCH http://localhost:9696/cust-api/rest/customers/inactivate/1
SEND

d. Place Order using no custId

POST http://localhost:9696/ord-api/rest/orders/create SEND

```
{
  "orderCode" : "ABC-AJAY",
  "dtls" : [
    { "itemCode" : "PEN", "itemQty": 10, "itemCost" : 25.0},
    { "itemCode" : "BOOK", "itemQty": 5, "itemCost" :
100.0},
    { "itemCode" : "TABLE", "itemQty": 1, "itemCost" :
500.0}
  ]
}
```

e. place order using inactive custId

POST http://localhost:9696/ord-api/rest/orders/create SEND

```
{
  "orderCode" : "ABC-AJAY",
  "dtls" : [
    { "itemCode" : "PEN", "itemQty": 10, "itemCost" : 25.0},
    { "itemCode" : "BOOK", "itemQty": 5, "itemCost" :
100.0},
    { "itemCode" : "TABLE", "itemQty": 1, "itemCost" :
500.0}
  ],
  "cust" : {
    "custId" : 1
  }
}
```

f. Place order using Active CustomerId

PATCH http://localhost:9696/cust-api/rest/customers/activate/1 SEND

and then

POST http://localhost:9696/ord-api/rest/orders/create SEND

```
{
  "orderCode" : "ABC-AJAY",
  "dtls" : [
    { "itemCode" : "PEN", "itemQty": 10, "itemCost" : 25.0},
    { "itemCode" : "BOOK", "itemQty": 5, "itemCost" :
100.0},
    { "itemCode" : "TABLE", "itemQty": 1, "itemCost" :
500.0}
  ],
  "cust" : {
    "custId" : 1
  }
}
```

g. View placed order

GET http://localhost:9696/ord-api/rest/orders/find/1 SEND

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Swagger Configuration :
RequestHandlerSelectors.any()
Common Path: /*api.*

Global Exception handling
@RestControllerAdvice
@ExceptionHandler