

CAPSTONE PROJECT
E-COMMERCE APPLICATION USING MICROSERVICES
BATCH-8-J2EE

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Team Leader: Ankit chauhan

Introduction:

This documentation provides a detailed overview of a distributed eCommerce application built using a microservices architecture with Spring Boot, Spring Cloud, and related technologies. The application supports both Admin and User roles, allowing for effective management of products, orders, and customers.

Objective:

Develop a scalable and maintainable eCommerce application that:

- Admins can use to manage products, orders, and customers.
- Users can browse products, place orders, and manage their profiles and account information.

The application leverages a microservices architecture to provide modularity, flexibility, and ease of maintenance.

Phases & Tasks:

Planning Phase

1. Requirements Gathering (1 day):

- Identify the required microservices:
 - **Auth-Service**
 - **Customer-Service**
 - **Product-Service**
 - **Cart-Service**
 - **Order-Service**
- Define the interactions between the services using an API Gateway.

2. Architecture Design (1 day):

- Design the microservices architecture.
- Set up the **Eureka Server** for service registry and discovery.
- Set up the **API Gateway** for routing requests between the microservices.

Development Phase

Day 1: Eureka Server & API Gateway Setup

- Set up the **Eureka Server** for service registration and discovery.
- Implement the **API Gateway** to route requests to the respective microservices.

Day 2: Customer-Service Development

- Develop CRUD operations for managing customer profiles.
- Integrate with the **Auth-Service** to handle customer data during registration.

Day 3: Product-Service Development

- Build functionalities for managing products, including categories and search features.
- Implement APIs for product CRUD operations.

Days 4-5: Cart-Service Development

- Develop features for managing the shopping cart, such as adding, updating, and deleting items.
- Integrate with the **Product-Service** to fetch product details.
- Implement the `item_entry` table to store individual cart items.

Day 6: Order-Service Development

- Implement functionalities for processing orders, including placing orders and tracking their status.
- Integrate with the **Cart-Service** to process cart items during order placement.

Days 7-8: Auth-Service Development

- Create user registration and login functionalities.
- Implement JWT token generation and validation for secure access.

MICROSERVICES

1. Service Registry & Discovery (Eureka Server):

- A Service Registry is a centralized database where all microservices in an application register themselves, enabling dynamic service discovery.
- *Registration*: Each microservice registers its network location (port, etc.) with the Eureka Server.
- *Discovery*: Microservices can dynamically discover and communicate with each other by querying the registry.
- *Benefits*: Enhances scalability and resilience by allowing services to discover and communicate without hardcoded endpoints, ensuring smooth interaction across the application.

2. API Gateway:

- The API Gateway is the single entry point for all client requests in the eCommerce application. It is built using **Spring Cloud Gateway** and provides the following key functions:
- *Routing*: Directs incoming requests to the appropriate microservice (e.g., Product, Order, Authentication).
- *Security*: Validates JWT tokens and manages authentication and authorization for secure service access.
- *Load Balancing*: Distributes traffic evenly across multiple microservices instances, improving performance and availability.

3. E-commerce Config Server:

- The Configuration Server centralizes and manages configuration settings for all microservices in the eCommerce application. It is set up using Spring Cloud Config and integrates with a GitHub repository for storing configuration files.
- It provides a single source of truth for configuration files, reducing duplication and ensuring consistency across all services.
- Allows microservices to fetch their configuration settings from the GitHub repository at startup or during runtime, supporting dynamic updates without redeployment.

4. Customer Service:

- The Customer Microservice manages all customer-related information and interactions in the eCommerce application. Its primary functions include:
- It allows customers to create, update, and manage their personal information, such as name, email address, and shipping addresses.

5. Product Microservice:

- The Product Microservice is responsible for managing the product catalog and handling all operations related to products within the eCommerce application.
- Key Functions:
- Product CRUD Operations: Provide APIs to create, read, update, and delete products.
- Product Search & Filter: Implement search functionality and allow product filtering by various attributes (e.g., ID, category).

6. Cart Service:

- The Cart Service manages the shopping cart functionality for users, handling operations related to adding, updating, and removing products in the cart before an order is placed.
- Key Functions:
 - *Add to Cart*: Provide APIs to allow users to add products to their cart.
 - *Update Cart Items*: Enable users to change the quantity of items or remove products from their cart.
 - *View Cart*: Retrieve and display the current contents of the user's cart, including product details, quantities, and total price.

7. Order Microservice:

- The Order Microservice handles all operations related to customer orders in the eCommerce application, managing the complete lifecycle from order creation to fulfillment.
- Key Functions:
 - *Order Creation*: Provide APIs to create new orders for the customers
 - *Order Status*: Manage the status of orders (e.g., Paid, Delivered, Canceled) and provide updates to customers.

Order History: Store and provide access to past orders for both users and admins

8. Authentication Service:

- The Authentication Service handles all user authentication and authorization functions within the eCommerce application. It plays a crucial role in ensuring secure access to different parts of the system. Key responsibilities include:
- *User Registration*: Provides endpoints for users to sign up and securely store their credentials in the database.

- *JWT Token Generation*: Issues JWT (JSON Web Token) for authenticated users, enabling secure, stateless communication between clients and microservices
- *Token validation*: Checks whether the issued token is valid or not

Technologies Used:

- Backend: Java, Spring Boot, Spring Cloud, Spring Data JPA
- Database: MySQL
- API: RESTful APIs
- Service Registry: Eureka Server
- API Gateway: Spring Cloud Gateway
- Security: JWT (JSON Web Tokens) for authentication and authorization

Database Design:

Tables:

- users: id, shipping_address, user_name, password, user_email, role

user

Limit to 1000 rows

```
SELECT * FROM auth_service_db.user;
```

id	password	role	shipping_address	user_email	user_name
1	\$2a\$10\$Hqz/ChNsDXDLyUeDDl2eg6Vv.I9zhlc...	ROLE_USER	Sri Nagar Colony, Tirupati	bikkireddyteja@gmail.com	Bikkireddy Te
2	\$2a\$10\$fC58xLAIFLD9R3hNORytC.OzDIgMnz50...	ROLE_ADMIN	Vaikuntapuram, Tirupati	admin@gmail.com	Admin
52	\$2a\$10\$k3ap/p1RMU0zkJJFR7L3veW566akGVX...	ROLE_USER	Vaikuntapuram, Tirupati	rau@gmail.com	Ramu
53	\$2a\$10\$bPjEn5H1zCNs2prtDMFu.AMSm/UUA7a...	ROLE_USER	Avilala, Tirupati	yogesh@gmail.com	yogesh
54	\$2a\$10\$3HjxRyRVda5wbo2BD9y8w.xc2K04ZFB...	ROLE_USER	Gandhi nagar, kadapa	venkat@gmail.com	venkat
55	\$2a\$10\$4ov6sE0X4C3yjDyZSIdB.WTtuMo7C3...	ROLE_USER	ysr nagar, chittoor	saiteja987@gmail.com	saiteja
56	\$2a\$10\$RTV/nW4F5W62VKLrvigfBeoA7hDbMbW...	ROLE_USER	dhana lakshmi nagar,mumbai	ankit7895@gmail.com	ankit
* NULL	NULL	NULL	NULL	NULL	NULL

- customers: customer_id, customer_name, customer_email, shipping_address

customer

1 • `SELECT * FROM customer_db.customer;`

Limit to 1000 rows

Result Grid

	customer_id	customer_email	customer_name	shipping_address
▶	1	vineel@gmail.com	Vineel	Gandhi Puram, Tirupati
	2	dileep@gmail.com	Dileep	TIRUPATI
	52	bikkireddyteja@gmail.com	Bikkireddy Teja	Sri Nagar Colony, Tirupati
	102	admin@gmail.com	Admin	Vaikuntapuram, Tirupati
	103	Virat@gmail.com	Virat	New Delhi
	152	rau@gmail.com	Ramu	Vaikuntapuram, Tirupati
	153	yogesh@gmail.com	yogesh	Avilala, Tirupati
	154	venkat@gmail.com	venkat	Gandhi nagar, kadapa
	155	saiteja987@gmail.com	saiteja	ysr nagar, chittoor

customer 1 x Apply Revert

- products: id, name, description, price, category, stock, available

product

1 • `SELECT * FROM ecommerce_db.product;`

Limit to 1000 rows

Result Grid

	id	available	category	description	name	price	stock
▶	1	1	BOOKS	The best book	The Life OF Pie	1000	18
	52	1	books	Life of Pie	book	1200	30
	102	1	Electronics	HP_Intel_i7	Laptop	50000	20
	153	1	MOBILES	Dynamic Island with 48MP Main camera with 2x ...	iPhone-15	60000	49
	203	1	MOBILES	Apple A15 Bionic chipset, 3240 mAh battery, 51...	iPhone-12	40000	30
	252	1	HOME	Havells 1200mm Glaze BLDC Motor Ceiling Fan, ...	Fan	4000	300
	253	1	kitchen	Aquaguard Slim Glass UV Bar Inline Water Purifier	Water filter	4000	300
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

product 4 x Apply Revert

- carts: cart_id, customer_id, cart_price

cart

Limit to 1000 rows

1 • `SELECT * FROM cart_db.cart;`

Result Grid

	cart_id	cart_price	customer_id
▶	2	51000.00	1
	52	50000.00	2
	152	110000.00	52
•	NULL	NULL	NULL

cart 1 x

Apply Revert

- item_entry:item_entry_id, cart_id, product_id, quantity, product_price, product_name

item_entry

Limit to 1000 rows

1 • `SELECT * FROM cart_db.item_entry;`

Result Grid

	item_entry_id	product_id	product_name	product_price	quantity	cart_id
▶	4	1	book	1000	1	2
	53	102	string	50000	1	2
	54	102	string	50000	1	52
	152	102	Laptop	50000	1	152
	153	153	iPhone-15	60000	1	152
•	NULL	NULL	NULL	NULL	NULL	NULL

item_entry 2 x

Apply Revert

- customer_orders: order_id, customer_id, customer_name, delivered, paid, shipping_address

customer_order

Limit to 1000 rows

1 • `SELECT * FROM order_db.customer_order;`

Result Grid

	order_id	customer_id	customer_name	delivered	paid	price	shipping_address
▶	1	1	teja	1	1	1000.00	tirupati
	3	1	teja	0	1	51000.00	tirupati
	52	2	Dileep	0	0	50000.00	TIRUPATI
	102	52	Bikkireddy Teja	0	0	110000.00	Sri Nagar Colony, Tirupati
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

customer_order 2

Apply Revert

- order_items: order_item_id, order_id, product_id, product_price, quantity, product_name

order_item

Limit to 1000 rows

1 • `SELECT * FROM order_db.order_item;`

Result Grid

	order_item_id	product_id	product_name	product_price	quantity	order_id
▶	1	1	book	1000	1	1
	4	1	book	1000	1	3
	5	102	string	50000	1	3
	52	102	string	50000	1	52
	102	102	Laptop	50000	1	102
	103	153	iPhone-15	60000	1	102
•	NULL	NULL	NULL	NULL	NULL	NULL

order_item 1

Apply Revert

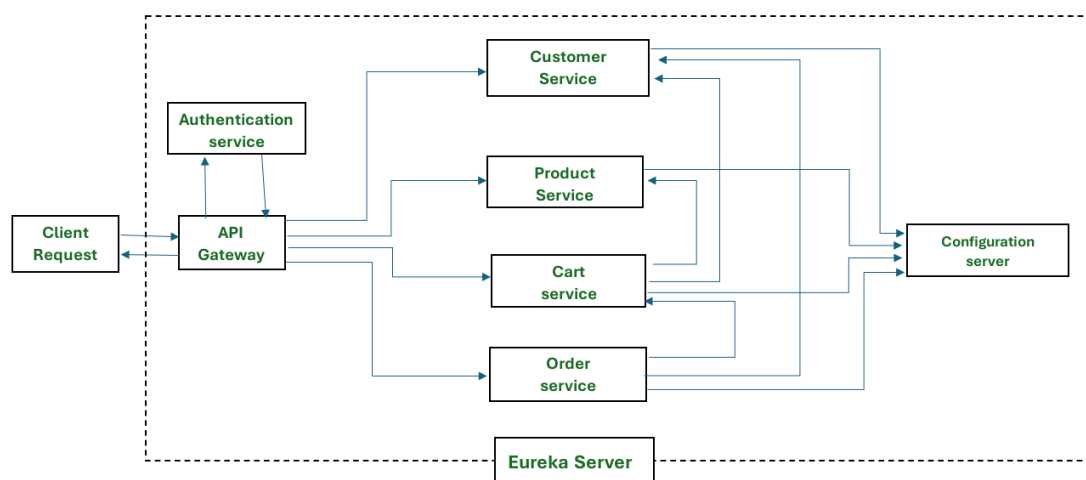
Database Relationships

1. *Users*: Stores all user information.
2. *Customers*: Connects to Users (adds extra details for each customer).
3. *Carts*: Connects to customers(each customer has a cart).
4. *Item_Entry*: Connects to Carts and Products (tracks items in each cart).
5. *Orders*: Connects to Customers and Carts (each order is placed by a customer from a cart).
6. *Order_Items*: Connects to Orders and Products (details which products are in each order).

Design Flow Diagrams:

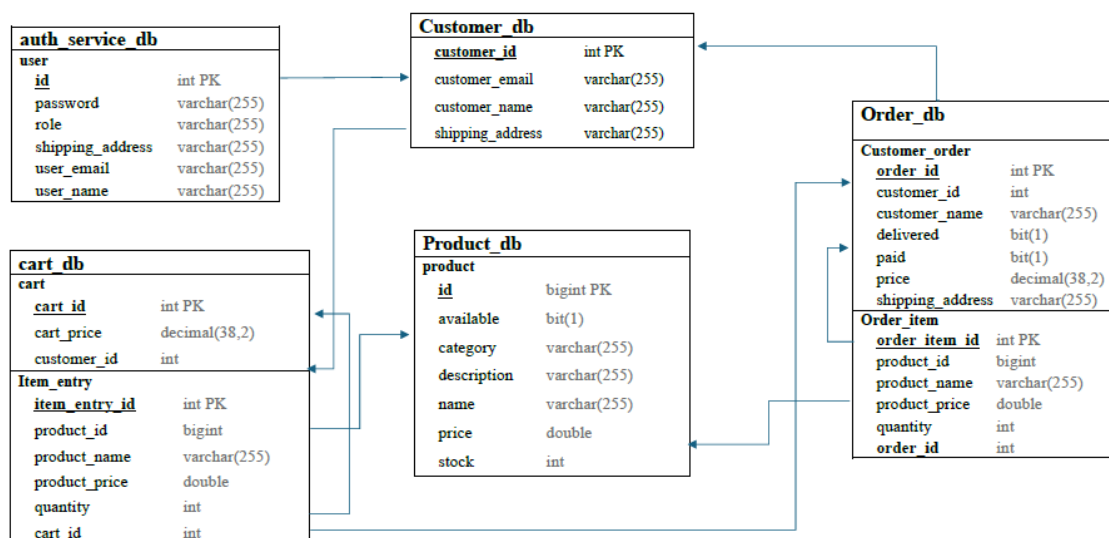
Microservices design:

Microservices Design Flow Diagram



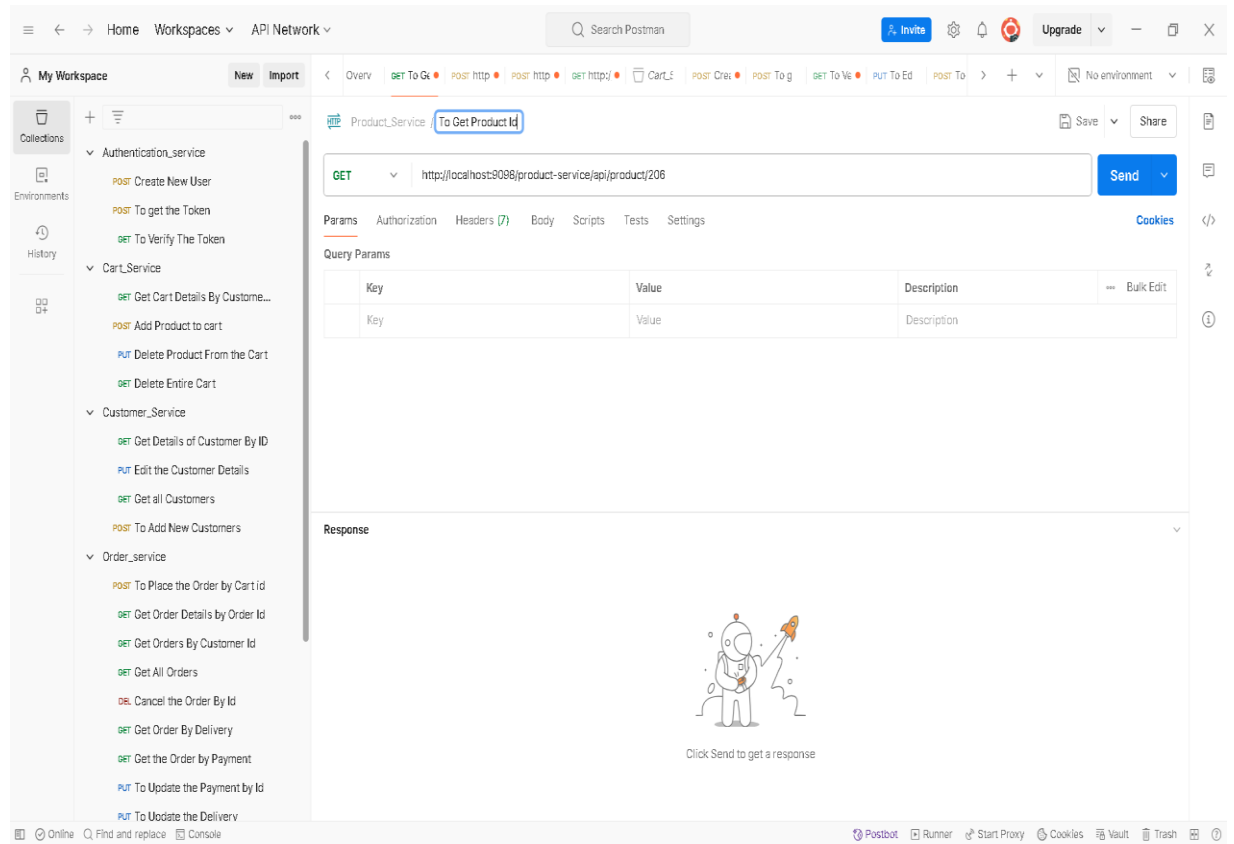
Database design:

Database Design Flow Diagram

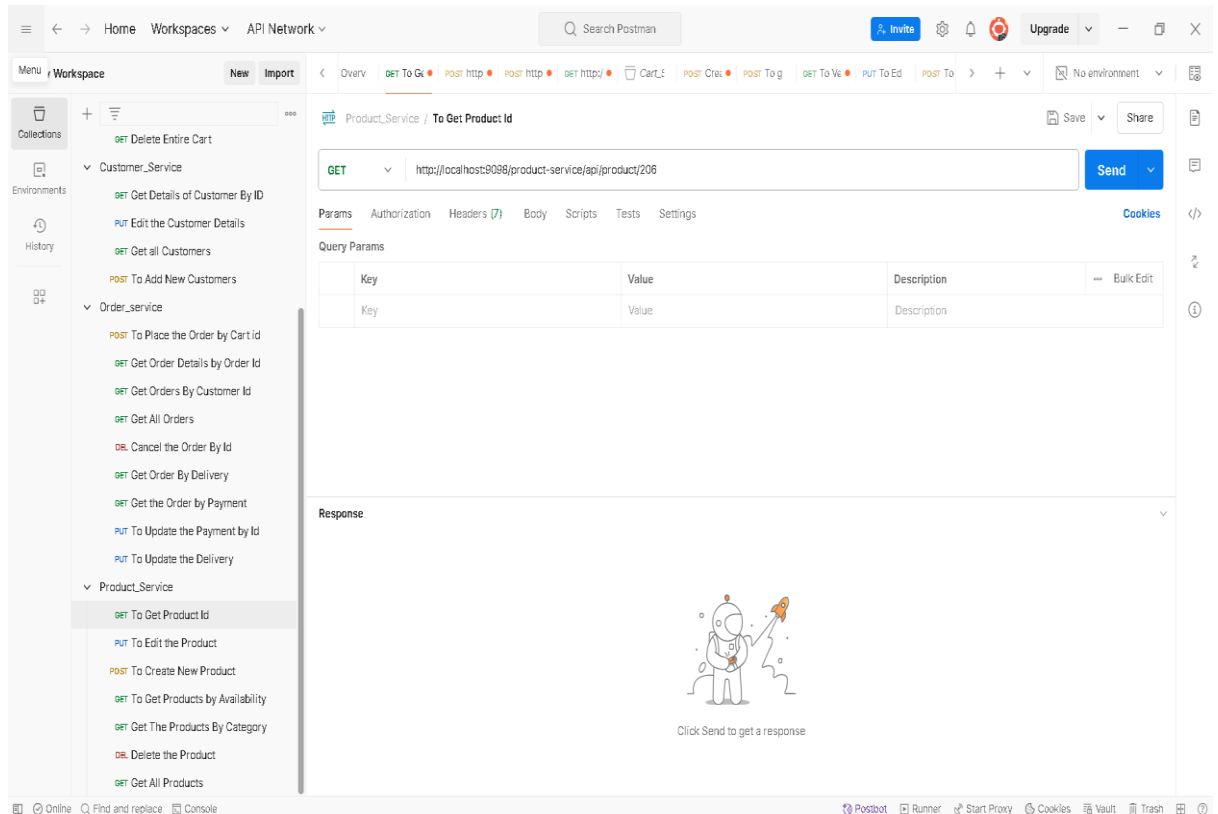


Postman Folder Structure:-

1.



2.



Running E-commerce-service-registry:-

```
eclipse-workspace4 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
# Problems Javadoc Declaration Console X
ECommerceServiceRegistryApplication [Java Application] C:\Users\vineel\p2\pool\plugins\org.eclipse.just\openjdkhotspotjre.full.win32.x86_64.22.0.1.v20240426-1149jre\bin\java.exe (2 Sept 2024, 12:01:46am) [pid: 58472]
Standard Commons Logging discovery in action with spring-jcl: please remove commons-logging-jar from classpath in order to avoid potential conflicts

:: Spring Boot :: (v3.3.2)

2024-09-02T00:01:48.233+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.w.ECommerceServiceRegistryApplication : Starting ECommerceServiceRegistryApplication using Java 22.0.1 with P
2024-09-02T00:01:48.237+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.w.ECommerceServiceRegistryApplication : No active profile set, falling back to 1 default profile: "default"
2024-09-02T00:01:49.225+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] o.s.c.cloud.context.scope.GenericScope : BeanFactory id=401d2eaf-7ad6-33c5-ae21-b1e1d535c39b
2024-09-02T00:01:49.280+05:30 WARN 58472 --- [E-commerce-service-registry] [
main] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConf
2024-09-02T00:01:49.283+05:30 WARN 58472 --- [E-commerce-service-registry] [
main] trationDelegate$BeanPostProcessorChecker : Bean 'deferringLoadBalancerInterceptor' of type [org.springframework.
2024-09-02T00:01:49.532+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8761 (http)
2024-09-02T00:01:49.549+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2024-09-02T00:01:49.549+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.26]
2024-09-02T00:01:49.672+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] o.a.c.c.c.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2024-09-02T00:01:49.675+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] m.s.c.s.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1386 ms
Standard Commons Logging discovery in action with spring-jcl: please remove commons-logging-jar from classpath in order to avoid potential conflicts
2024-09-02T00:01:50.634+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.d.provider.DiscoveryJerseyProvider : Using JSON encoding codec LegacyJacksonJso
2024-09-02T00:01:50.635+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.d.provider.DiscoveryJerseyProvider : Using JSON decoding codec LegacyJacksonJso
2024-09-02T00:01:50.899+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.d.provider.DiscoveryJerseyProvider : Using XML encoding codec XStreamXml
2024-09-02T00:01:50.899+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.d.provider.DiscoveryJerseyProvider : Using XML decoding codec XStreamXml
2024-09-02T00:01:51.638+05:30 WARN 58472 --- [E-commerce-service-registry] [
main] i.guration$LoadBalancerCaffeineWarnLogger : Spring Cloud LoadBalancer is currently working with the default cache
2024-09-02T00:01:51.658+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] o.s.c.n.eureka.InstanceInfoFactory : Setting initial instance status as: STARTING
2024-09-02T00:01:51.674+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] com.netflix.discovery.DiscoveryClient : Initializing Eureka in region us-east-1
2024-09-02T00:01:51.674+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] com.netflix.discovery.DiscoveryClient : Client configured to neither register nor query for data.
2024-09-02T00:01:51.676+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] com.netflix.discovery.DiscoveryClient : Discovery Client initialized at timestamp 1725215511675 with initial
2024-09-02T00:01:51.676+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.eureka.DefaultEurekaServerContext : Initializing ...
2024-09-02T00:01:51.712+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.eureka.cluster.PeerEurekaNodes : Adding new peer nodes [http://localhost:8761/eureka/]
2024-09-02T00:01:51.713+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.d.provider.DiscoveryJerseyProvider : Using JSON encoding codec LegacyJacksonJso
2024-09-02T00:01:51.838+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.d.provider.DiscoveryJerseyProvider : Using JSON decoding codec LegacyJacksonJso
2024-09-02T00:01:51.838+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.d.provider.DiscoveryJerseyProvider : Using XML encoding codec XStreamXml
2024-09-02T00:01:51.838+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.d.provider.DiscoveryJerseyProvider : Using XML decoding codec XStreamXml
2024-09-02T00:01:51.838+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.eureka.cluster.PeerEurekaNodes : Replica node URL: http://localhost:8761/eureka/
2024-09-02T00:01:51.902+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.e.registry.AbstractInstanceRegistry : Finished initializing remote region registries. All known remote regi
2024-09-02T00:01:51.902+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] c.n.e.registry.AbstractInstanceRegistry : Initialized
2024-09-02T00:01:51.930+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] o.s.b.a.e.web.EndpointLinksResolver : Exposing 1 endpoint beneath base path '/actuator'
2024-09-02T00:01:52.006+05:30 INFO 58472 --- [E-commerce-service-registry] [
main] o.s.c.n.e.s.EurekaServiceRegistry : Registering application E-COMMERCE-SERVICE-REGISTRY with eureka wj
```

Running E-commerce-APIGateway:-

```
eclipse-workspace4 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
# Problems Javadoc Declaration Console X
ECommerceApiGatewayApplication [Java Application] C:\Users\vineel\p2\pool\plugins\org.eclipse.just\openjdkhotspotjre.full.win32.x86_64.22.0.1.v20240426-1149jre\bin\java.exe (2 Sept 2024, 12:05:55 am) [pid: 44004]

:: Spring Boot :: (v3.3.2)

2024-09-02T00:05:56.473+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] c.wipro.ECommerceApiGatewayApplication : Starting ECommerceApiGatewayApplication using Java 22.0.1 with PID 44004
2024-09-02T00:05:56.476+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] c.wipro.ECommerceApiGatewayApplication : No active profile set, falling back to 1 default profile: "default"
2024-09-02T00:05:57.504+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.cloud.context.scope.GenericScope : BeanFactory id=5a646885-3506-3073-8f8a-dd4ca03d5eac
2024-09-02T00:05:57.506+05:30 WARN 44004 --- [E-commerce-API-gateway] [
main] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConf
2024-09-02T00:05:57.509+05:30 WARN 44004 --- [E-commerce-API-gateway] [
main] trationDelegate$BeanPostProcessorChecker : Bean 'deferringLoadBalancerInterceptor' of type [org.springframework.cloud
2024-09-02T00:05:57.592+05:30 WARN 44004 --- [E-commerce-API-gateway] [
main] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.reactive.LoadBalancerC
2024-09-02T00:05:57.593+05:30 WARN 44004 --- [E-commerce-API-gateway] [
main] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.reactive.LoadBalancerC
2024-09-02T00:05:57.595+05:30 WARN 44004 --- [E-commerce-API-gateway] [
main] trationDelegate$BeanPostProcessorChecker : Bean 'reactorDefferingLoadBalancerExchangeFilterFunction' of type [org.spr
2024-09-02T00:05:58.303+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [After]
2024-09-02T00:05:58.303+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [Before]
2024-09-02T00:05:58.303+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [Between]
2024-09-02T00:05:58.303+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [Cookie]
2024-09-02T00:05:58.303+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [Header]
2024-09-02T00:05:58.303+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [Host]
2024-09-02T00:05:58.304+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [Method]
2024-09-02T00:05:58.304+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [Path]
2024-09-02T00:05:58.304+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [Query]
2024-09-02T00:05:58.304+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [ResponseBody]
2024-09-02T00:05:58.304+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [RemoteAddr]
2024-09-02T00:05:58.304+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [XForwardedRemoteAddr]
2024-09-02T00:05:58.304+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [Weight]
2024-09-02T00:05:58.304+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.g.r.RouteDefinitionRouteLocator : Loaded RoutePredicateFactory [CloudFoundryRouteService]
2024-09-02T00:05:58.557+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.b.a.e.web.EndpointLinksResolver : Exposing 1 endpoint beneath base path '/actuator'
2024-09-02T00:05:58.575+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] DiscoveryClientOptionalArgsConfiguration : Eureka HTTP Client uses RestTemplate.
2024-09-02T00:05:58.818+05:30 WARN 44004 --- [E-commerce-API-gateway] [
main] i.guration$LoadBalancerCaffeineWarnLogger : Spring Cloud LoadBalancer is currently working with the default cache. Wh
2024-09-02T00:05:58.824+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] o.s.c.n.eureka.InstanceInfoFactory : Setting initial instance status as: STARTING
2024-09-02T00:05:58.898+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] com.netflix.discovery.DiscoveryClient : Initializing Eureka in region us-east-1
2024-09-02T00:05:58.903+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2024-09-02T00:05:58.911+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2024-09-02T00:05:58.911+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property : null
2024-09-02T00:05:58.911+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2024-09-02T00:05:58.911+05:30 INFO 44004 --- [E-commerce-API-gateway] [
main] com.netflix.discovery.DiscoveryClient : Application is null : false
```

Running Ecommerce-config-server:-

```
eclipse-workspace4 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
# Problems Javadoc Declaration Console X
ECommerceConfigServerApplication [Java Application] C:\Users\vinee\p2\pool\plugins\org.eclipse.just\openjdkhotspot\re.full.win32.x86_64.22.0.1.v20240426-1149\re\bin\javaw.exe (2 Sept 2024, 12:07:19am) [pid: 43148]

:: Spring Boot :: (v3.3.3)

2024-09-02T00:07:20.564+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] c.w.ECommerceConfigServerApplication : Starting ECommerceConfigServerApplication using Java 22.0.1 with PID 43148
2024-09-02T00:07:20.569+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] c.w.ECommerceConfigServerApplication : No active profile set, falling back to 1 default profile: "default"
2024-09-02T00:07:21.922+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] o.s.cloud.context.scope.GenericScope : BeanFactory id=ec3bada1-758e-3feb-ae3a-1cb33eeb6f2b
2024-09-02T00:07:21.990+05:30 WARN 43148 --- [E-commerce-Config-Server] [main] trationDelegatedBeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration$LoadBalancerConfiguration' is deprecated: Use 'org.springframework.cloud.client.loadbalancer.LoadBalancerConfiguration' instead
2024-09-02T00:07:21.993+05:30 WARN 43148 --- [E-commerce-Config-Server] [main] trationDelegatedBeanPostProcessorChecker : Bean 'deferringLoadBalancerInterceptor' of type [org.springframework.cloud.client.loadbalancer.DeferredLoadBalancer] is deprecated: Use 'org.springframework.cloud.client.loadbalancer.DeferredLoadBalancer' instead
2024-09-02T00:07:22.268+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8888 (http)
2024-09-02T00:07:22.286+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2024-09-02T00:07:22.286+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.28]
2024-09-02T00:07:22.349+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2024-09-02T00:07:22.350+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1717 ms
2024-09-02T00:07:25.840+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] DiscoveryClientOptionalArgsConfiguration : Eureka HTTP Client uses RestTemplate.
2024-09-02T00:07:25.928+05:30 WARN 43148 --- [E-commerce-Config-Server] [main] igationLoadBalancerCaffeineWarnLogger : Spring Cloud LoadBalancer is currently working with the default cache. It is recommended to use the 'lru' cache.
2024-09-02T00:07:25.944+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] o.s.b.a.e.web.EndpointLinksResolver : Exposing 1 endpoint beneath base path '/actuator'
2024-09-02T00:07:26.011+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] o.s.c.n.eureka.InstanceInfoFactory : Setting initial instance status as: STARTING
2024-09-02T00:07:26.038+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Initializing Eureka in region us-east-1
2024-09-02T00:07:26.042+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Resolving eureka endpoints via configuration
2024-09-02T00:07:26.054+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Disable delta property : false
2024-09-02T00:07:26.055+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Single vip registry refresh property : null
2024-09-02T00:07:26.055+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2024-09-02T00:07:26.055+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Application is null : false
2024-09-02T00:07:26.055+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero : true
2024-09-02T00:07:26.055+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Application version is -1: true
2024-09-02T00:07:26.055+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Getting all instance registry info from the eureka server
2024-09-02T00:07:26.296+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : The response status is 200
2024-09-02T00:07:26.298+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Starting heartbeat executor: renew interval is: 30
2024-09-02T00:07:26.301+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] c.n.discovery.InstanceInfoReplicator : InstanceInfoReplicator onDemand update allowed rate per min is 4
2024-09-02T00:07:26.303+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Discovery Client initialized at timestamp 1725215846303 with initial instance status: STARTING
2024-09-02T00:07:26.307+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] o.s.c.n.e.s.EurekaServiceRegistry : Registering application E-COMMERCE-CONFIG-SERVER with eureka with status: STARTING
2024-09-02T00:07:26.308+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] com.netflix.discovery.DiscoveryClient : Saw local status change event StatusChangeEvent [timestamp=1725215846303, currentStatus=STARTING, previousStatus=STARTING]
2024-09-02T00:07:26.310+05:30 INFO 43148 --- [E-commerce-Config-Server] [foReplicator-3d] com.netflix.discovery.DiscoveryClient : DiscoveryClient_E-COMMERCE-CONFIG-SERVER/LAPTOP-PQK5B1SC:E-commerce-Config-Server initialized
2024-09-02T00:07:26.342+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8888 (http) with context path '/'
2024-09-02T00:07:26.343+05:30 INFO 43148 --- [E-commerce-Config-Server] [main] .s.c.n.e.s.EurekaAutoServiceRegistration : Updating port to 8888
```

Running Auth-service:-

```
eclipse-workspace4 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
# Problems Javadoc Declaration Console X
AuthServiceApplication [Java Application] C:\Users\vinee\p2\pool\plugins\org.eclipse.just\openjdkhotspot\re.full.win32.x86_64.22.0.1.v20240426-1149\re\bin\javaw.exe (2 Sept 2024, 12:08:41 am) [pid: 84740]

:: Spring Boot :: (v3.3.2)

2024-09-02T00:08:43.385+05:30 INFO 84740 --- [auth-service] [restartedMain] com.wipro.AuthServiceApplication : Starting AuthServiceApplication using Java 22.0.1 with PID 84740 (C:\Users\vinee\ec
2024-09-02T00:08:43.389+05:30 INFO 84740 --- [auth-service] [restartedMain] com.wipro.AuthServiceApplication : No active profile set, falling back to 1 default profile: "default"
2024-09-02T00:08:43.440+05:30 INFO 84740 --- [auth-service] [restartedMain] e.DevToolsPropertyDefaultsPostProcessor : DevTools property defaults active! Set 'spring.devtools.add-properties' to 'false' to disable
2024-09-02T00:08:43.440+05:30 INFO 84740 --- [auth-service] [restartedMain] e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level.web' property
2024-09-02T00:08:44.291+05:30 INFO 84740 --- [auth-service] [restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2024-09-02T00:08:44.407+05:30 INFO 84740 --- [auth-service] [restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 109 ms. Found 1 JPA repository interfaces
2024-09-02T00:08:44.461+05:30 INFO 84740 --- [auth-service] [restartedMain] o.s.cloud.context.scope.GenericScope : BeanFactory id=326e2584-368d-32be-8a42-141da6d0314a
2024-09-02T00:08:44.823+05:30 WARN 84740 --- [auth-service] [restartedMain] trationDelegatedBeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration$LoadBalancerConfiguration' is deprecated: Use 'org.springframework.cloud.client.loadbalancer.LoadBalancerConfiguration' instead
2024-09-02T00:08:44.826+05:30 WARN 84740 --- [auth-service] [restartedMain] trationDelegatedBeanPostProcessorChecker : Bean 'deferringLoadBalancerInterceptor' of type [org.springframework.cloud.client.loadbalancer.DeferredLoadBalancer] is deprecated: Use 'org.springframework.cloud.client.loadbalancer.DeferredLoadBalancer' instead
2024-09-02T00:08:45.217+05:30 INFO 84740 --- [auth-service] [restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 9092 (http)
2024-09-02T00:08:45.230+05:30 INFO 84740 --- [auth-service] [restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2024-09-02T00:08:45.280+05:30 INFO 84740 --- [auth-service] [restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.26]
2024-09-02T00:08:45.281+05:30 INFO 84740 --- [auth-service] [restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2024-09-02T00:08:45.281+05:30 INFO 84740 --- [auth-service] [restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1839 ms
2024-09-02T00:08:45.441+05:30 INFO 84740 --- [auth-service] [restartedMain] o.hibernate.jpa.internal.util.LogHelper : HHH000284: Processing PersistenceUnitInfo [name: default]
2024-09-02T00:08:45.522+05:30 INFO 84740 --- [auth-service] [restartedMain] org.hibernate.Version : HHH0000412: Hibernate ORM core version 6.5.2.Final
2024-09-02T00:08:45.571+05:30 INFO 84740 --- [auth-service] [restartedMain] o.h.c.internal.RegionFactoryInitiator : HHH000026: Second-level cache disabled
2024-09-02T00:08:46.004+05:30 INFO 84740 --- [auth-service] [restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo : No LoadTimeWeaver setup: ignoring JPA class transformer
2024-09-02T00:08:46.041+05:30 INFO 84740 --- [auth-service] [restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2024-09-02T00:08:46.346+05:30 INFO 84740 --- [auth-service] [restartedMain] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@21b5609
2024-09-02T00:08:46.349+05:30 INFO 84740 --- [auth-service] [restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2024-09-02T00:08:47.147+05:30 INFO 84740 --- [auth-service] [restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable a JTA platform)
2024-09-02T00:08:47.183+05:30 INFO 84740 --- [auth-service] [restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2024-09-02T00:08:47.669+05:30 WARN 84740 --- [auth-service] [restartedMain] jpabase.Configuration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering.
2024-09-02T00:08:47.694+05:30 INFO 84740 --- [auth-service] [restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2024-09-02T00:08:47.892+05:30 INFO 84740 --- [auth-service] [restartedMain] eAuthenticationProviderManagerConfigurer : Global AuthenticationManager configured with AuthenticationProvider bean with name 'globalAuthenticationProvider'
2024-09-02T00:08:47.893+05:30 WARN 84740 --- [auth-service] [restartedMain] $InitializeUserDetailsServiceConfigurer : Global AuthenticationManager configured with an AuthenticationProvider bean. UserDetailsService is not configured.
2024-09-02T00:08:47.895+05:30 INFO 84740 --- [auth-service] [restartedMain] eAuthenticationProviderManagerConfigurer : Eureka HTTP Client uses RestTemplate.
2024-09-02T00:08:47.895+05:30 INFO 84740 --- [auth-service] [restartedMain] igationLoadBalancerCaffeineWarnLogger : Spring Cloud LoadBalancer is currently working with the default cache. While this is fine for development, it is recommended to use the 'lru' cache.
2024-09-02T00:08:47.911+05:30 INFO 84740 --- [auth-service] [restartedMain] o.s.c.n.eureka.InstanceInfoFactory : Setting initial instance status as: STARTING
2024-09-02T00:08:47.960+05:30 INFO 84740 --- [auth-service] [restartedMain] com.netflix.discovery.DiscoveryClient : Initializing Eureka in region us-east-1
2024-09-02T00:08:47.960+05:30 INFO 84740 --- [auth-service] [restartedMain] com.netflix.discovery.DiscoveryClient : Resolving eureka endpoints via configuration
```


Running customer-service:-

```
eclipse-workspace4 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Problems Javadoc Declaration Console X
CustomerServiceApplication [Java Application] C:\Users\vineel\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.22.0.1\j20240426-1149\jre\bin\javaw.exe (2 Sept 2024, 12:09:44 am) [pid: 17208]

:: Spring Boot :: (v3.3.3)

2024-09-02T00:09:47.351+05:30 INFO 17208 --- [customer-service] [ restartedMain] com.wipro.CustomerServiceApplication : Starting CustomerServiceApplication using Java 22.0.1 with PID 17208 (C:\Users\vineel\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.22.0.1\j20240426-1149\jre\bin\javaw.exe)
2024-09-02T00:09:47.353+05:30 INFO 17208 --- [customer-service] [ restartedMain] com.wipro.CustomerServiceApplication : No active profile set, falling back to 1 default profile: "default"
2024-09-02T00:09:47.386+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.s.c.c.c.ConfigServerConfigDataLoader : Fetching config from server at : http://localhost:8888
2024-09-02T00:09:47.387+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.s.c.c.c.ConfigServerConfigDataLoader : Located environment: name=customer-service, profiles=[default], label=null, version=
2024-09-02T00:09:47.388+05:30 INFO 17208 --- [customer-service] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : DevTools property defaults active! Set 'spring.devtools.add-properties' to 'false' to disable.
2024-09-02T00:09:47.388+05:30 INFO 17208 --- [customer-service] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level.web' property.
2024-09-02T00:09:48.209+05:30 INFO 17208 --- [customer-service] [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2024-09-02T00:09:48.328+05:30 INFO 17208 --- [customer-service] [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 111 ms. Found 1 JPA repository interface.
2024-09-02T00:09:48.587+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.s.cloud.context.scope.GenericScope : BeanFactory id=0b4d5b34-7164-3483-be38-f798addf3438
2024-09-02T00:09:48.888+05:30 WARN 17208 --- [customer-service] [ restartedMain] org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration$LoadBalancerInterceptor' of type 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration$LoadBalancerInterceptor' is not eligible for processing: Bean class not found.
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 9096 (http)
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Starting service [Tomcat]
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Starting Servlet engine: [Apache Tomcat/10.1.28]
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Initializing Spring embedded WebApplicationContext
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1997 ms
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HH0000204: Processing PersistenceUnitInfo [name: default]
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] org.hibernate.Version : HH0000412: Hibernate ORM core version 6.5.2.Final
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.h.c.internal.RegionFactoryInitiator : HH0000026: Second-level cache disabled
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo : No LoadTimeWeaver setup: ignoring JPA class transformer
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@604d9cf71
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator : HH0000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable a JTA platform)
2024-09-02T00:09:49.323+05:30 INFO 17208 --- [customer-service] [ restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2024-09-02T00:09:49.323+05:30 WARN 17208 --- [customer-service] [ restartedMain] org.springframework.orm.jpa.AbstractEntityManagerFactoryBean : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be
2024-09-02T00:09:49.323+05:30 WARN 17208 --- [customer-service] [ restartedMain] .s.s.UserDetailsServiceAutoConfiguration :

Using generated security password: 7d834890-96fd-40bf-bbe6-c8c081322949

This generated password is for development use only. Your security configuration must be updated before running your application in production.
```

Running Product-service:-

```
eclipse-workspace4 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Problems Javadoc Declaration Console X
ProductServiceApplication [Java Application] C:\Users\vineel\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.22.0.1\j20240426-1149\jre\bin\javaw.exe (2 Sept 2024, 12:15:44 am) [pid: 44500]

:: Spring Boot :: (v3.3.3)

2024-09-02T00:15:47.693+05:30 INFO 44500 --- [Product-service] [ restartedMain] com.wipro.ProductServiceApplication : Starting ProductServiceApplication using Java 22.0.1 with PID 44500 (C:\Users\vineel\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.22.0.1\j20240426-1149\jre\bin\javaw.exe)
2024-09-02T00:15:47.695+05:30 INFO 44500 --- [Product-service] [ restartedMain] com.wipro.ProductServiceApplication : No active profile set, falling back to 1 default profile: "default"
2024-09-02T00:15:47.737+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.s.c.c.c.ConfigServerConfigDataLoader : Fetching config from server at : http://localhost:8888
2024-09-02T00:15:47.737+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.s.c.c.c.ConfigServerConfigDataLoader : Located environment: name=Product-service, profiles=[default], label=null, version=
2024-09-02T00:15:47.739+05:30 INFO 44500 --- [Product-service] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : DevTools property defaults active! Set 'spring.devtools.add-properties' to 'false' to disable.
2024-09-02T00:15:47.739+05:30 INFO 44500 --- [Product-service] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level.web' property.
2024-09-02T00:15:48.519+05:30 INFO 44500 --- [Product-service] [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2024-09-02T00:15:48.788+05:30 INFO 44500 --- [Product-service] [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 101 ms. Found 1 JPA repository interface.
2024-09-02T00:15:48.913+05:30 WARN 44500 --- [Product-service] [ restartedMain] org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration$LoadBalancerInterceptor' of type 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration$LoadBalancerInterceptor' is not eligible for processing: Bean class not found.
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 9093 (http)
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Starting service [Tomcat]
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Starting Servlet engine: [Apache Tomcat/10.1.28]
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Initializing Spring embedded WebApplicationContext
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1671 ms
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HH0000204: Processing PersistenceUnitInfo [name: default]
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] org.hibernate.Version : HH0000412: Hibernate ORM core version 6.5.2.Final
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.h.c.internal.RegionFactoryInitiator : HH0000026: Second-level cache disabled
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo : No LoadTimeWeaver setup: ignoring JPA class transformer
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@66dbb700
2024-09-02T00:15:49.351+05:30 INFO 44500 --- [Product-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2024-09-02T00:15:50.973+05:30 INFO 44500 --- [Product-service] [ restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator : HH0000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable a JTA platform)
2024-09-02T00:15:51.010+05:30 INFO 44500 --- [Product-service] [ restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2024-09-02T00:15:51.391+05:30 WARN 44500 --- [Product-service] [ restartedMain] org.springframework.orm.jpa.AbstractEntityManagerFactoryBean : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be
2024-09-02T00:15:51.456+05:30 WARN 44500 --- [Product-service] [ restartedMain] .s.s.UserDetailsServiceAutoConfiguration :

Using generated security password: 638a9592-3644-4958-9220-a3c5ee03119

This generated password is for development use only. Your security configuration must be updated before running your application in production.
```

Running Cart-service:-

```
eclipse-workspace4 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Problems Javadoc Declaration Console
CartServiceApplication [Java Application] C:\Users\vineet\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.22.0.1.v20240426-1149\jre\bin\javaw.exe (2 Sept 2024, 12:17:02 am) [pid: 69576]

:: Spring Boot :: (v3.3.3)

2024-09-02T00:17:05.106+05:30 INFO 69576 --- [cart-service] [ restartedMain] com.wipro.CartServiceApplication : Starting CartServiceApplication using Java 22.0.1 with PID 69576 (C:\Users\vineet\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.22.0.1.v20240426-1149\jre\bin\javaw.exe)
2024-09-02T00:17:05.108+05:30 INFO 69576 --- [cart-service] [ restartedMain] com.wipro.CartServiceApplication : No active profile set, falling back to 1 default profile: "default"
2024-09-02T00:17:05.149+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.s.c.c.c.ConfigServerConfigDataLoader : Fetching config from server at : http://localhost:8888
2024-09-02T00:17:05.150+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.s.c.c.c.ConfigServerConfigDataLoader : Located environment: name=cart-service, profiles=[default], label=null, version=8304
2024-09-02T00:17:05.151+05:30 INFO 69576 --- [cart-service] [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spring.devtools.add-properties' to 'false'
2024-09-02T00:17:05.151+05:30 INFO 69576 --- [cart-service] [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level.web' property
2024-09-02T00:17:06.103+05:30 INFO 69576 --- [cart-service] [ restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2024-09-02T00:17:06.208+05:30 INFO 69576 --- [cart-service] [ restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 98 ms. Found 1 JPA repository interface.
2024-09-02T00:17:06.526+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.s.cloud.context.scope.GenericScope : BeanFactory id=7f8b2501-4990-3c07-963a-4cbb9695630b
2024-09-02T00:17:06.877+05:30 WARN 69576 --- [cart-service] [ restartedMain] trationDelegatedBeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration$DelegatedLoadBalancerAutoConfiguration' is not eligible for processing: [Bean 'deferringLoadBalancerInterceptor' of type [org.springframework.cloud.client.loadbalancer.DelegatingLoadBalancer] is not a bean]
2024-09-02T00:17:07.372+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 9097 (http)
2024-09-02T00:17:07.384+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2024-09-02T00:17:07.385+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.28]
2024-09-02T00:17:07.437+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2024-09-02T00:17:07.438+05:30 INFO 69576 --- [cart-service] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2286 ms
2024-09-02T00:17:07.853+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HH0000204: Processing PersistenceUnitInfo [name: default]
2024-09-02T00:17:07.921+05:30 INFO 69576 --- [cart-service] [ restartedMain] org.hibernate.Version : HH0000412: Hibernate ORM version 6.5.2.Final
2024-09-02T00:17:07.969+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.h.c.internal.RegionFactoryInitiator : HH0000026: Second-level cache disabled
2024-09-02T00:17:08.265+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo : No LoadTimeWeaver setup: ignoring JPA class transformer
2024-09-02T00:17:08.284+05:30 INFO 69576 --- [cart-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2024-09-02T00:17:08.583+05:30 INFO 69576 --- [cart-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@453dd54d
2024-09-02T00:17:08.585+05:30 INFO 69576 --- [cart-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2024-09-02T00:17:08.613+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator : HH0000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable)
2024-09-02T00:17:09.458+05:30 INFO 69576 --- [cart-service] [ restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2024-09-02T00:17:09.587+05:30 WARN 69576 --- [cart-service] [ restartedMain] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering.
2024-09-02T00:17:09.645+05:30 WARN 69576 --- [cart-service] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : Unable to start LiveReload server
2024-09-02T00:17:09.709+05:30 INFO 69576 --- [cart-service] [ restartedMain] o.s.c.openfeign.FeignClientFactoryBean : For 'Product-service' URL not provided. Will try picking an instance via load-balancer
2024-09-02T00:17:10.485+05:30 WARN 69576 --- [cart-service] [ restartedMain] s.s.UserDetailsServiceAutoConfiguration :

Using generated security password: e48ce49d-a840-42fb-87f0-7470ede989c4
```

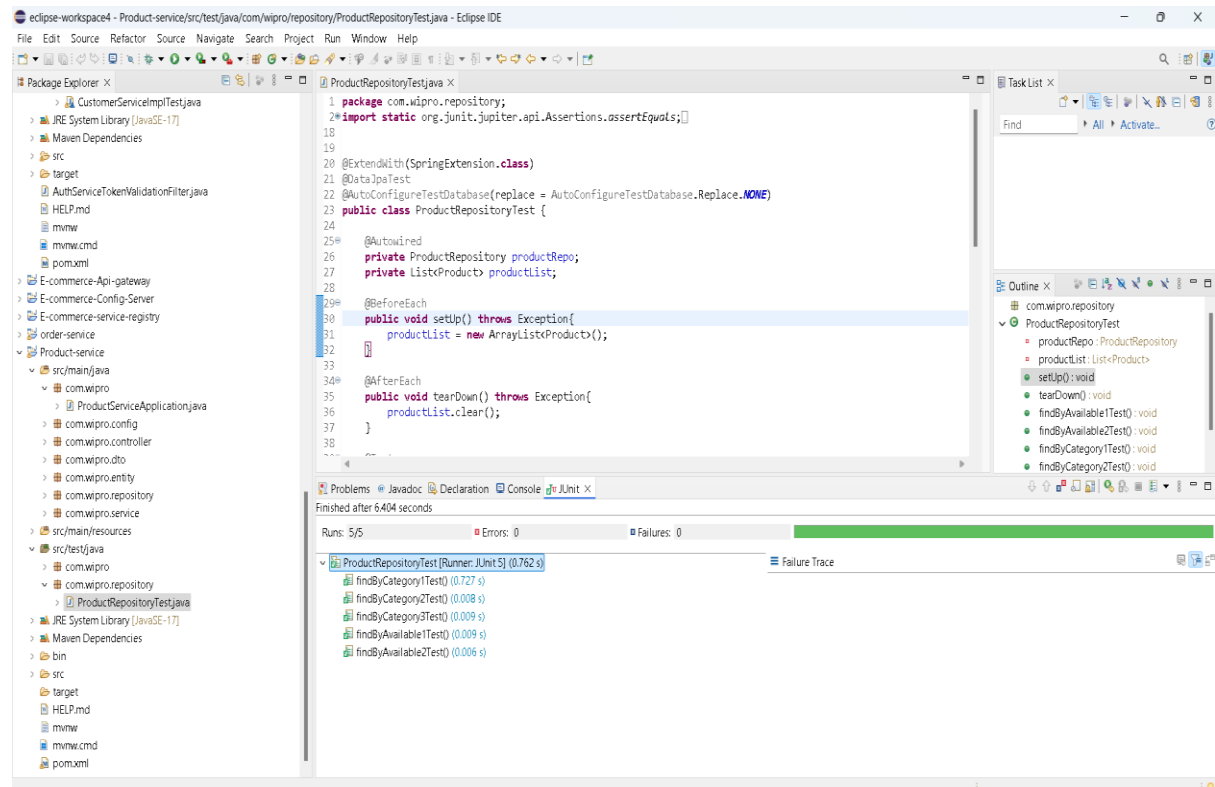
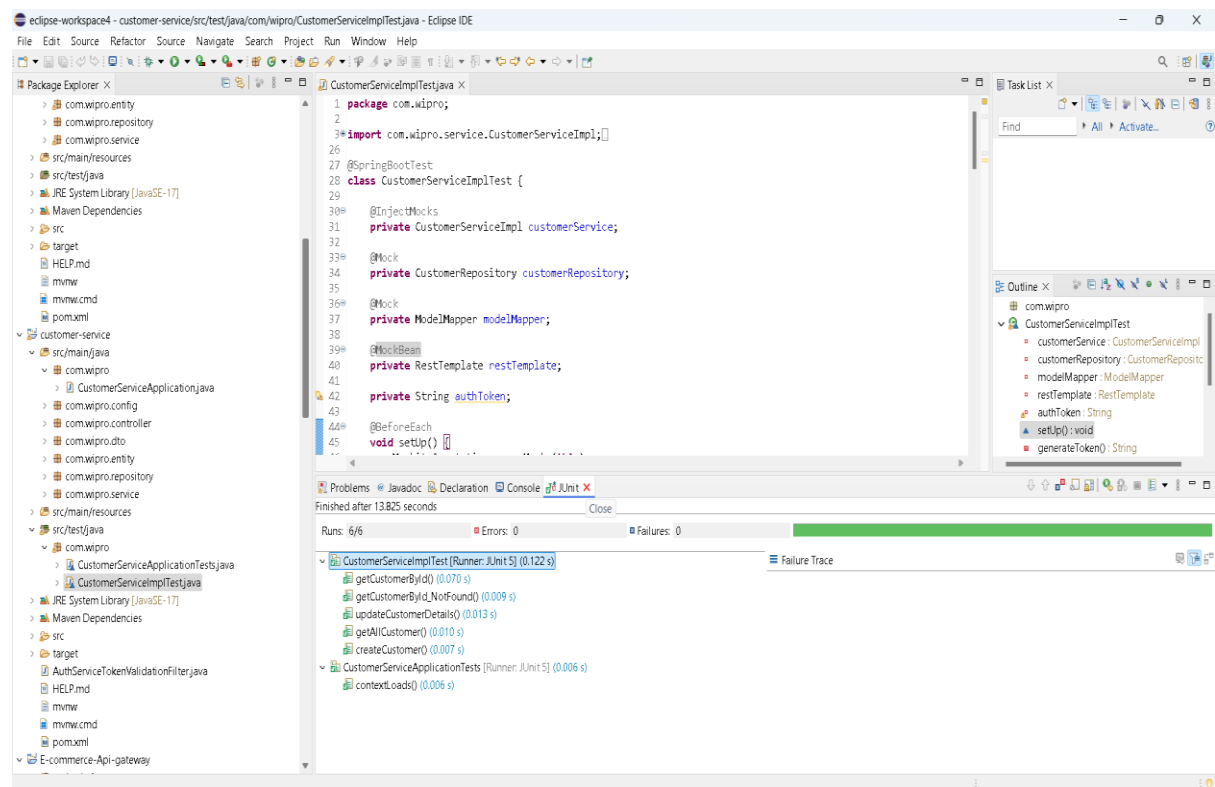
Running Order-service:-

```
eclipse-workspace4 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Problems Javadoc Declaration Console
OrderServiceApplication [Java Application] C:\Users\vineet\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.22.0.1.v20240426-1149\jre\bin\javaw.exe (2 Sept 2024, 12:17:18 am) [pid: 72720]

:: Spring Boot :: (v3.3.3)

2024-09-02T00:17:21.315+05:30 INFO 72720 --- [order-service] [ restartedMain] com.wipro.OrderServiceApplication : Starting OrderServiceApplication using Java 22.0.1 with PID 72720 (C:\Users\vineet\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.22.0.1.v20240426-1149\jre\bin\javaw.exe)
2024-09-02T00:17:21.317+05:30 INFO 72720 --- [order-service] [ restartedMain] com.wipro.OrderServiceApplication : No active profile set, falling back to 1 default profile: "default"
2024-09-02T00:17:21.355+05:30 INFO 72720 --- [order-service] [ restartedMain] o.s.c.c.c.ConfigServerConfigDataLoader : Fetching config from server at : http://localhost:8888
2024-09-02T00:17:21.355+05:30 INFO 72720 --- [order-service] [ restartedMain] o.s.c.c.c.ConfigServerConfigDataLoader : Located environment: name=order-service, profiles=[default], label=null, version=8304
2024-09-02T00:17:21.357+05:30 INFO 72720 --- [order-service] [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spring.devtools.add-properties' to 'false'
2024-09-02T00:17:21.357+05:30 INFO 72720 --- [order-service] [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level.web' property
2024-09-02T00:17:22.494+05:30 INFO 72720 --- [order-service] [ restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2024-09-02T00:17:22.608+05:30 INFO 72720 --- [order-service] [ restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 107 ms. Found 1 JPA repository interface.
2024-09-02T00:17:22.947+05:30 INFO 72720 --- [order-service] [ restartedMain] o.s.cloud.context.scope.GenericScope : BeanFactory id=c9fe842c-3378-3d12-b461-65901468bb65
2024-09-02T00:17:23.282+05:30 WARN 72720 --- [order-service] [ restartedMain] trationDelegatedBeanPostProcessorChecker : Bean 'org.springframework.cloud.client.loadbalancer.LoadBalancerAutoConfiguration$DelegatedLoadBalancerAutoConfiguration' is not eligible for processing: [Bean 'deferringLoadBalancerInterceptor' of type [org.springframework.cloud.client.loadbalancer.DelegatingLoadBalancer] is not a bean]
2024-09-02T00:17:23.292+05:30 WARN 72720 --- [order-service] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 9094 (http)
2024-09-02T00:17:23.813+05:30 INFO 72720 --- [order-service] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2024-09-02T00:17:23.813+05:30 INFO 72720 --- [order-service] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.28]
2024-09-02T00:17:23.867+05:30 INFO 72720 --- [order-service] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2024-09-02T00:17:23.867+05:30 INFO 72720 --- [order-service] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2507 ms
2024-09-02T00:17:24.280+05:30 INFO 72720 --- [order-service] [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HH0000204: Processing PersistenceUnitInfo [name: default]
2024-09-02T00:17:24.329+05:30 INFO 72720 --- [order-service] [ restartedMain] org.hibernate.Version : HH0000412: Hibernate ORM version 6.5.2.Final
2024-09-02T00:17:24.361+05:30 INFO 72720 --- [order-service] [ restartedMain] o.h.c.internal.RegionFactoryInitiator : HH0000026: Second-level cache disabled
2024-09-02T00:17:24.717+05:30 INFO 72720 --- [order-service] [ restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo : No LoadTimeWeaver setup: ignoring JPA class transformer
2024-09-02T00:17:24.749+05:30 INFO 72720 --- [order-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2024-09-02T00:17:25.072+05:30 INFO 72720 --- [order-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@3c629d8a
2024-09-02T00:17:25.072+05:30 INFO 72720 --- [order-service] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2024-09-02T00:17:25.975+05:30 INFO 72720 --- [order-service] [ restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator : HH0000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable)
2024-09-02T00:17:26.032+05:30 INFO 72720 --- [order-service] [ restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2024-09-02T00:17:26.605+05:30 WARN 72720 --- [order-service] [ restartedMain] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering.
2024-09-02T00:17:26.652+05:30 WARN 72720 --- [order-service] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : Unable to start LiveReload server
2024-09-02T00:17:26.703+05:30 INFO 72720 --- [order-service] [ restartedMain] o.s.c.openfeign.FeignClientFactoryBean : For 'cart-service' URL not provided. Will try picking an instance via load-balancer
2024-09-02T00:17:26.773+05:30 INFO 72720 --- [order-service] [ restartedMain] o.s.c.openfeign.FeignClientFactoryBean : For 'customer-service' URL not provided. Will try picking an instance via load-balancer
2024-09-02T00:17:26.799+05:30 INFO 72720 --- [order-service] [ restartedMain] o.s.c.openfeign.FeignClientFactoryBean : For 'Product-service' URL not provided. Will try picking an instance via load-balancer
2024-09-02T00:17:26.873+05:30 WARN 72720 --- [order-service] [ restartedMain] s.s.UserDetailsServiceAutoConfiguration :
```

Junit Testing:



This is the Eureka Service where we show all Microservices:

Eureka

localhost:8761

spring Eureka

HOME LAST 1000 SINCE STARTUP

System Status

Environmenttest

Data centerdefault

Current time2024-09-02T01:04:47 +0530

Uptime01:03

Lease expiration enabledtrue

Renews threshold13

Renews (last min)26

DS Replicas

localhost

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
AUTH-SERVICE	n/a (1)	(1)	UP (1) - LAPTOP-POKSB1SCauth-service-9092
CART-SERVICE	n/a (1)	(1)	UP (1) - LAPTOP-POKSB1SCcart-service-9097
CUSTOMER-SERVICE	n/a (1)	(1)	UP (1) - LAPTOP-POKSB1SCcustomer-service-9096
E-COMMERCE-API-GATEWAY	n/a (1)	(1)	UP (1) - LAPTOP-POKSB1SC E-commerce-Api-gateway-9098
E-COMMERCE-CONFIG-SERVER	n/a (1)	(1)	UP (1) - LAPTOP-POKSB1SC E-commerce-Config-Server-8888
ORDER-SERVICE	n/a (1)	(1)	UP (1) - LAPTOP-POKSB1SC order-service-9094
PRODUCT-SERVICE	n/a (1)	(1)	UP (1) - LAPTOP-POKSB1SC Product-service-9093

General Info

User Registration:

Authentication_service / Create New User

Save Share

POST

http://localhost:9098/auth-service/api/auth/register

Send

Params

Authorization

Headers (9)

Body

Scripts

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

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Token generation:

Authentication_service / To get the Token

SaveShare

POST

http://localhost:9098/auth-service/api/auth/token

Send

ParamsAuthorizationHeaders (9)BodyScriptsTestsSettings

Cookies

Beautify

1

{

2

"userEmail": "bikkireddyteja999@gmail.com",

3

"password": "teja@123"

4

}

BodyCookiesHeaders (12)Test Results

200 OK117 ms536 B

Save Response

PrettyRawPreviewVisualizeText

1 eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ1aWtraXJlZGR5dGVyYXNpdC5jb20iLCJpYXQiOiJlMjYyMTcyMTEsImV4cCI6MTcyNTIxOTUxMX0uYXNjaXZuTG4dUzZzHRjIjU6up-L6F12gjY6HG5ua_fY

Token validation:

HTTP

Authentication_service / To Verify The Token

Save

Share

GET

http://localhost:9098/auth-service/api/auth/validate?token=eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJiaWtraXJlZGR5dGVqYTk5OUBnbWFPbC5jb20iLCJpY...

Send

Params

Authorization

Headers (7)

Body

Scripts

Tests

Settings

Cookies

Query Params

<input checked="" type="checkbox"/> Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/> token	eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJiaWtraXJlZGR5dGVq...		
Key	Value	Description	

Body

Cookies

Headers (12)

Test Results

200 OK

12 ms

389 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1 Token is valid

Postbot

Runner

Start Proxy

Cookies

Vault

Trash

Product microservice:-

Servers

http://localhost:9093 - Generated server url

CRUD Operations REST APIs for Product Service

REST APIs for Create product, Get the product, Update the product, Delete the product, etc.

GET

/api/product/{id}

Get the product

PUT

/api/product/{id}

Update the product

DELETE

/api/product/{id}

Delete the product

POST

/api/product

ADD the New product

GET

/api/getproductsbycategory/query

Get the Product By Category

GET

/api/getproductsbyavailability/query

Get the products by availability

GET

/api/getallproducts

Get the All Products

Customer microservice:-

Servers

http://localhost:9096 - Generated server url

REST APIs for Customer Service

REST APIs for customer service to add customerget the details of customer, etc...

GET

/api/customer/{customerId}

PUT

/api/customer/{customerId}

GET

/api/customer

POST

/api/customer

Schemas

CustomerDto

Cart microservice:-

Servers

http://localhost:9097 - Generated server url

REST APIs for Cart Service

REST APIs for add product to cart, Get the cart details, Update the cart, Delete the cart, etc.

^

GET

/api/cart/{customerId}

▼

PUT

/api/cart/{customerId}

▼

POST

/api/cart/{customerId}

▼

GET

/api/getcartid/{cartId}

▼

DELETE

/api/cart/{cartId}

▼

Schemas

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CartDto

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Order microservice:-

Servers

http://localhost:9094 - Generated server url

REST APIs for Order Service

REST APIs for place order, Get the order, Update the order, Delete the order, etc.

^

PUT

/api/updateorderpayment/{orderId}

▼

PUT

/api/updateorderdelivery/{orderId}

▼

POST

/api/placeorder/{cartId}

▼

GET

/api/order/{orderId}

▼

GET

/api/getorderbypayment/query

▼

GET

/api/getorderbydelivery/query

▼

GET

/api/getorderbycustomer/{customerId}

▼

GET

/api/getallOrders

▼

DELETE

/api/cancelorder/{orderId}

▼

Schemas

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OrderDto

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