



Microservice Homework

Recap

1. Introduction to Microservices
2. Setting up the Inventory Management System
3. Service Registration with Eureka
4. Spring Cloud API Gateway
5. Open Feign Microservice Communication
6. Circuit Breaker and Retry with Resilience4J

Homework

1. Break down the MakeMyTrip backend into smaller microservices. Describe the responsibilities of each microservice and how they would interact. Design the Flow diagram.
2. Extend the Inventory Service by adding a feature to cancel Order by restocking the Order items that were cancelled by an Order.

Homework

3. Implement a new microservice called ShippingService, which is responsible for shipping orders. Register this service with Eureka and modify the OrderService to communicate with ShippingService to confirm shipping status.

3.2 Implement a Circuit Breaker Fallback method for when the ShippingService is down. Add a retry mechanism using Resilience4J in the OrderService when calling ShippingService.

