**Day 1:**

**Product Service.**

**Controllers**:

1. Add Product (HTTP.POST)
2. Update Product (HTTP.PUT)
3. Get Product by Id (HTTP.GET)
4. Get All Products (HTTP.GET)
5. Delete Product by Id (HTTP.DELETE)

*Note: Use MYSQL DB*

**Model**:

*Product {*

*Long id;*

*String name;*

*String category;*

*}*

**Day 2:**

**Order Service.**

**Controllers:**

1. Add Order (HTTP.POST)
2. Update Order (HTTP.PUT)
3. Get Order by Id (HTTP.GET)
4. Get All Order (HTTP.GET)
5. Delete Order by Id (HTTP.DELETE)

*Note: Use MONGO DB*

**Model**:

*Order {*

*Long id;*

*String name;*

*String type;*

*String productName;*

*}*

**Day 3:**

**Eureka Server and API Gateway Implementation**

* Create Eureka Server Microservice
* Create API Gateway Microservice
* Register Product and Order Service to Eureka Service
* Expose API Gateway End point for accessing services.

*Note: All services should be accessible only through API Gateway*

**Day 4:**

**Inter-Service Communication and Swagger Docs**

* Enable swagger for Product and Order Micro-Services so that API Documents available for use.
* Call Product-Service through exposed Endpoint from Order-Service.
* Order-Service should save the Product-Name which comes as response from Product-Service in “Order” table.
* For Inter-Service communication you can use any of the below types
  + Feign Client
  + Rest Template
  + Web Client/Flux

**Day 5:**

**Test and Verify**

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**End Date: 27-Aug-2021**