

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

***** END *****

End Date: 27-Aug-2021