**Microservices Assignment**

**Authentication Service:**

This service handles user authentication and authorization.

It manages user accounts, login, registration, and password management.

Integrate with various authentication mechanisms (e.g. JWT).

**Product Service:**

Manages product inventory.

It handles operations such as product creation, retrieval, update, and deletion.

**Cart Service:**

Manages user shopping carts.

It handles operations such as adding items to the cart, updating quantities, removing items, and calculating totals.

**Email Services:**

Handles sending transactional emails such as registration success.

**Primary Services-**

Product Service: https://localhost:7001/swagger/index.html

Cart Service: https://localhost:7003/swagger/index.html

Auth Service: https://localhost:7002/swagger/index.html

Email Service: https://localhost:7107/swagger/index.html

**API Gateway**-http://localhost:7777/

**Auth-**

Register: [POST] http://localhost:7777/api/auth/Register

Login: [POST] http://localhost:7777/api/auth/Login

**Product-**

Get All Product: [GET] http://localhost:7777/api/ProductAPI

Get By Id: [GET] http://localhost:7777/api/ProductAPI/{(Eg:1)}

Post Product: [POST] http://localhost:7777/api/ProductAPI

Put Product{id}: [POST] http://localhost:7777/api/ProductAPI/{(Eg:14)}

Delete Product{id}: [DELETE] http://localhost:7777/api/ProductAPI/{(Eg:14)}

**Cart-**

Get By Id: [GET] http://localhost:7777/api/cart/GetCart/{UserId}

Post Product: [POST] http://localhost:7777/api/cart/CartUpsert

Post Product{id}: [POST] http://localhost:7777/api/cart/RemoveCart

**Eureka**- <http://localhost:8761/>

Product: https://localhost:7001/info

Auth: https://localhost:7002/info

Cart: https://localhost:7003/info

**RabbitMQ**- http://localhost:15672/#/

Communication in between Email and Auth Services.

**Docker Compose-**

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API Gateway-http://localhost:7777/

Eureka- <http://localhost:8761/>

RabbitMQ- http://localhost:15000/#/