**As per proposed architecture, there will be multiple microservices eg:-**

1. **Product Catalog Management**
2. Price Management
3. Order Management
4. Inventory Management
5. **Rest Application (globomart-api):-** The basic functionality of this application will be to serve the rest API for end user. Internally it will make call to other microservices to full-fill its request. So the microservices will not be exposed to end user directly but rather it will be exposed through globalmart-api.

**So far developed application details:-** There are two microservices created as part of this assignment

1. **product-catalog**:- The microservice meant for managing product catalog.
2. **globomart-api**:- The microservice meant for serving front-end/end-user request.

**Steps to run the application:-**

1. **product-catalog** application:- navigate to product-catalog application directory. Run the application using **gradle clean bootRun** command. This application will run on localhost at http port 7050.
2. **globomart-api** application:- navigate to globomart-api application directory. Run the application using **gradle clean bootRun** command. This application will run on localhost at http port 8080

**Sample API:-**

1. **Create Catalog:-** 
   1. **Request:-** curl 'http://localhost:8080/v1/catalog/create' -H 'Content-Type: application/json;charset=UTF-8' --data-binary $'{\n"name":"Test Catalog"\n}'
   2. **Response:-** {"status":true,"message":"Record successfully saved.","data":{"id":13,"name":"Test Catalog"}}
2. **Search Catalog:-** 
   1. **Request:-** curl 'http://localhost:8080/v1/catalog/search' -H 'Content-Type: application/json;charset=UTF-8' --data-binary '{"pageSize":10,"pageIndex":0,"sortColumn":"id","sortOrder":"asc","query":{"name":"Test"}}'
   2. **Response:-** {"sortColumn":"id","sortOrder":"asc","pageSize":10,"pageIndex":0,"fetchAllRecords":false,"status":true,"message":"Request processed successfully","data":[{"id":10,"name":"Test Catalog"},{"id":11,"name":"Test Catalog"},{"id":12,"name":"Test Catalog"},{"id":13,"name":"Test Catalog"}],"query":{"name":"Test"},"recordsTotal":4,"recordsFiltered":4}
3. **Create Product:-**
   1. **Request:-** curl 'http://localhost:8080/v1/product/create' -H 'Content-Type: application/json;charset=UTF-8' --data-binary $'{\n"name":"Test Product",\n"type":"FORMAL\_SHIRT",\n"catalogId":10\n}'
   2. **Response:-** {"status":true,"message":"Record successfully saved.","data":{"id":21,"name":"Test Product","type":"FORMAL\_SHIRT","catalogId":10}}
4. **Search Product:-** 
   1. **Request:-** curl 'http://localhost:8080/v1/product/search' -H 'Content-Type: application/json;charset=UTF-8' --data-binary '{"pageSize":10,"pageIndex":0,"sortColumn":"id","sortOrder":"asc","query":{"name":"Test"}}'
   2. **Response:-** {"sortColumn":"id","sortOrder":"asc","pageSize":10,"pageIndex":0,"fetchAllRecords":false,"status":true,"message":"Request processed successfully","data":[{"id":20,"name":"Test Product","catalogId":10,"catalogName":"Test Catalog"},{"id":21,"name":"Test Product","catalogId":10,"catalogName":"Test Catalog"}],"query":{"name":"Test"},"recordsTotal":2,"recordsFiltered":2}
5. **Delete Product:-**
   1. **Request:-** curl 'http://localhost:8080/v1/product/remove' -H 'Content-Type: application/json;charset=UTF-8' --data-binary $'{\n "id":21\n}'
   2. **Response:-** {"status":true,"message":"Record deleted successfully.","data":{"id":21}}