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Problem statement

GloQuora is a community-based questions and answers website. GloQuora app has many features such as registering as a user and posting queries in the GloQuora forums.

Sam has to create an admin module that generates a report to analyze the GloQuora site based on the users and posts.

Help Sam to design an aggregator app for admin users that consumes the data from Userdetails App and GloQuoraPost App which are two separate services.

Class Design

User_Details

Is a generic class

General_Users ,Premium_Users inherit from the above class

DBDesign

Users can post More than one Posts

Class - User_Details

UserId

Name

Username

Email

Address

Phone

Geo

Company

General_User

General_User_Premium_Amount

General_User_validity

Premium_Users

Premium_Users_Premium_Amount

Premium_Users_Validity

Class-Company

Name

Location

Class- Address

Street

City

Class- Geo

Lat

Long

Class - GloQuora_Post

Userid

Post_id

Title

Body

Functionalities

- **EPIC 1 User details App**

CRUD service for the User details

- GetAll User details
- GetSpecificUserDetails
- AddUser
- DeleteUser
- UpdateUser

Note:- Use any Relational DB for the User details

● EPIC 2 GloQuora_PostApp

CRUD for the GloQuora_Post details

- GetAllGloQuora_Post
- Add_GloQuora_Post
- Delete_GloQuora_Post
- Update_GloQuora_Post

Note:- Use any NoSQL DB for the GloQuora_Post

Instructions

1. Use Spring Boot Framework
2. Use the Controller /Service /Repository/Entity /DTO Pattern
3. Use RestTemplate/ Any technique other to Consume the services.
4. Use APIGateway to route the request to GloQuora_PostApp and UserApp
5. Use appropriate validations of data at the controller
6. Use appropriate exception management.
7. Use Logger appropriately
8. Use Create appropriate testing modules at Controllers

Sample Data

User_Details Json Data format

```
{
  "userId": 1,
  "name": "Graham",
  "username": "Bret",
  "email": "Sincere@april.biz",
  "address": {
    "street": "Kulas Light",
    "city": "Gwenborough",
    "geo": {
      "lat": "-37.3159",
```

```
    "lng": "81.1496"  
  }  
},  
  "phone": "6546546456",  
  "company": {  
    "name": "Romaguera-Crona",  
    "location": "Multi-layered client-server neural-net",  
  }  
}
```

GloQuora_Post Json Data format

```
{  
  "userId": 1,  
  "post_id": 1,  
  "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",  
  "body": "quia et suscipit\nsuscipit recusandae consequuntur expedit"  
}
```