Design: Service Layer(s)

My designs service layer is a GraphQL endpoint instead of REST. The data will be Queried using Graphql. For more info on Graphql here is the online documentation https://graphql.github.io/ . The shape of the schema will be in this shape:

```
{
  "users":
  {

  "id": int
  "name": sting,
  "type": string,
  "studentID": int,
  "class":
  {
  id: int
  name: string,

  },
  "badges":
  {
  id: int
  names: string
  }
  attendance: int

  }
}
```

Fetching "GET "

A GraphQL query is for fetching data and compares to the GET verb in REST-based

APIs. I will have a fetching type of type Query {

  getUsers: [Users]

  getClasses: [Classes]

  getBadges: [Badges]

}

This is called Resolvers in GraphQl

Fetch "Post"

Which in GraphQL is sending a query mutation examples adding a user.

addUser() {

  name

  type

  class

  }

},

Next adding a badge completion: addBadge(){

name

{

badges{

names:[]

}

},

These data will be passed down in each route in the UI pertaining to the view.