## **Creating new entities like follows**

## 1]*Client entity 2]ClientUsers entity 3]Company entity*

## 

## **(2) Create the following endpoints for**

### **2.1) - List app Users**

Endpoint url :- <http://localhost:8080/user/all>

requestBody

ResponseBody:-

{

"data":

"[ClientUserDTO [userId=1, firstName=Sayli, lastName=Patil, createdAt=2024-02-10 00:00:00.0, updatedAt=2024-02-10 00:00:00.0, deletedAt=2024-02-10 00:00:00.0],

ClientUserDTO [userId=2, firstName=Gunjan, lastName=abc, createdAt=2024-02-10 00:00:00.0, updatedAt=2024-02-10 00:00:00.0, deletedAt=2024-02-10 00:00:00.0],

ClientUserDTO [userId=3, firstName=Rohit, lastName=Sharma, createdAt=2024-05-10 00:00:00.0, updatedAt=2024-04-10 00:00:00.0, deletedAt=2024-06-10 00:00:00.0],

ClientUserDTO [userId=4, firstName=Mohit, lastName=Nagre, createdAt=2024-02-10 00:00:00.0, updatedAt=2024-02-10 00:00:00.0, deletedAt=2024-02-10 00:00:00.0]]",

    "status": "success"

}

### **2.2) - Create some Client**

Endpoint url :- <http://localhost:8080/smsMagic/client/add>

requestBody:-

{

    "firstName" : "Sham",

    "lastName" : "Ghule",

    "email" : "sham@gmail.com",

    "phone" : "9999779999",

    "companyId" : "2"

}

ResponseBody:-

{

    "data": {

        "clientId": 2,

        "firstName": "Sham",

        "lastName": "Ghule",

        "email": "sham@gmail.com",

        "phone": "9999779999",

        "companyId": 2

    },

    "status": "success"

}

### **2.3) - Change any Client field**

Endpoint url :- http://localhost:8080/client/update

requestBody:-

{

    "clientId": "1" ,

    "email":"ram12@gmail.com",

    "firstName":"Rameshwer",

    "lastName":"More",

    "phone":"9999889966",

    "companyId":"2"

}

ResponseBody:-

{

    "data": {

        "clientId": 1,

        "firstName": "Rameshwer",

        "lastName": "More",

        "email": "ram12@gmail.com",

        "phone": "9999889966",

        "companyId": 2

    },

    "status": "success"

}

--------------------------------------------------------------------------------

## **Create some function with some custom query for the following**

3.1. Search for Companies by employees range.

Employees range: i.e. list Companies that has employees range between 500 and 2000

**ANSWER:-**

DELIMITER &&

CREATE PROCEDURE search\_companyBy\_Range(IN min\_Val int,IN max\_val int, out emp\_Count int)

BEGIN

SELECT CompanyName FROM Companies where employeeCount between(minVal, maxval)

into emp\_Count ;

END &&

DELIMITER ;

call search\_companyByrange(500, 2000)

-------------------------------------------------------------

**3.2. Search for Clients by:**

a) User: i.e. *retrieve all Clients a User belongs to*

***ANSWER:-***

DELIMITER &&

CREATE PROCEDURE retrive\_client(IN givenUserId int)

BEGIN

select \* from client where

clientId = (SELECT clientId FROM clintuser where userId = givenUserId) ;

END &&

DELIMITER

call retrive\_client(1)

----------------------

b) Name: i.e. search within the company's name text

***ANSWER:-***

DELIMITER &&

CREATE PROCEDURE retrive\_clientBy\_CompanyName(IN company\_name varchar(50) )

BEGIN

select \* from client where

companyId = (SELECT companyId FROM company where companyName = company\_name ) ;

END &&

DELIMITER

call retrive\_clientBy\_CompanyName("sms magic")

3.3.get a list of companies where each company has max revenue in its industry: e.g. Amazon for E-icommerce

**ANSWER:-**

SELECT \* FROM sales\_details

ORDER BY Companies\_Revenue DESC limit 1 ;