Prerequisite:

Eclipse IDE or any Java IDE with Apache Maven (I used IntelliJ IDEA)

MySQL 5.x

PhpMyAdmin or any other clients to access MySQL database

Postman or any other REST Clients

I am going to build a simple application, where we will be able to interact as a Restful Web service. We will have 2 services :

Entify = ( Has multiple Communication (cic). One to Many relationship )

Communication (cic) = ( Belongs to a Entify. Many to One relationship )

This project is mavenised

Step 1:

* Open phpMyAdmin and create database  
  cicdatabase

Sept 2:

* Open postman for testing

We will have the following paths available for our Entify :

GET

http://localhost:8080/cic–> return all entify with Communication(cic)

[

{

"id": 1,

"entifyName": "FaceBook",

"emailAddress": "Thalimogale@gmail.com",

"communication": [

{

"id": 1,

"cicType": "Test",

"subject": "Quote",

"body": "eoh Assessment.",

"sourceSystem": "FaceBook",

"cicTimeStamp": 1522972800000

},

{

"id": 2,

"cicType": "Test",

"subject": "Quote",

"body": "All these for two different websites but show as one on your quotation.",

"sourceSystem": "FaceBook",

"cicTimeStamp": 1522972800000

},

{

"id": 3,

"cicType": "Test",

"subject": "Quote",

"body": "All these for two different websites but show as one on your quotation.",

"sourceSystem": "FaceBook",

"cicTimeStamp": 1522972800000

},

{

"id": 4,

"cicType": "Test",

"subject": "Quote",

"body": "All these for two different websites but show as one on your quotation.",

"sourceSystem": "FaceBook",

"cicTimeStamp": 1522972800000

}

]

}

]

http://localhost:8080/cic/1 –> return single entify with communication

POST

http://localhost:8080/cic –> create a new enify

{

"entifyName":"sms",

"emailAddress":"Thalimogale@gmail.com"

}

DELETE

<http://localhost:8080/cic/2>

We will have the following paths available for our communication (cic):

POST

http://localhost:8080/cic/1/cic –> create a new communication using entify primary key

{

"body":"Testing eoh restful services.",

"cicType":"Test",

"subject":"Quote",

"sourceSystem":"FaceBook",

"cicTimeStamp":"2018-04-6"

}

GET

http://localhost:8080/cic/1/cic –> get all entify and their communication

GET

http://localhost:8080/cic/1/cic/1 –> get single entify of communication

DELETE

http://localhost:8080/cic/2/cic/1 –> delete a communication of a entify