

SJSU CMPE281 HW GAE RESTFUL WEB

SVC FALL 2016

Mengxuan Cai

Extra Credit 2

The program can call **Restful** in **JSON** on local using **Mysql**. I met some problems during deployed on AMAZON EB. Although I deployed successfully, the EB server still can't get response back. I don't have enough time to fix it. So I attached few photos for running on local.

This is part of my code for connect Mysql.

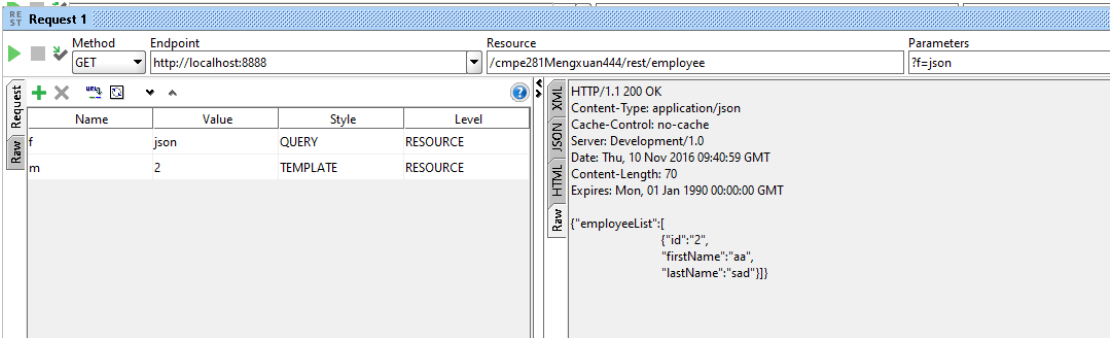
```
import java.sql.Statement;

public class ConnectionHelper {
    private String url;
    private static ConnectionHelper instance;
    String dbUserName = "root";
    String dbPassword = "1234";
    String DB_URL = "jdbc:mysql://127.0.0.1:3306/";
    String dbName = "HW3";

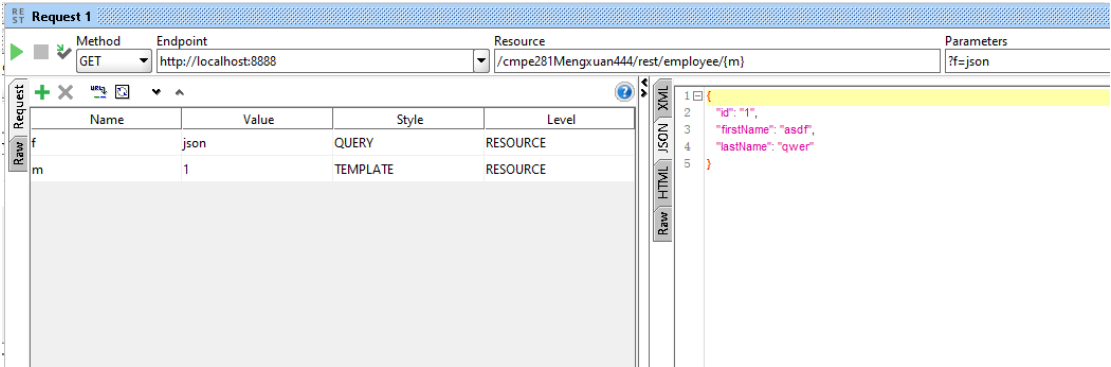
    private ConnectionHelper() {
        try {
            Class driver_class = Class.forName("com.mysql.jdbc.Driver");
            Driver driver = (Driver) driver_class.newInstance();
            DriverManager.registerDriver(driver);
            url = "jdbc:mysql://localhost:3306/HW3";
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    public static Connection getConnection() throws SQLException {
        if (instance == null) {
            instance = new ConnectionHelper();
            instance.createDatabase();
        }
        try {
            Connection conn = DriverManager.getConnection(instance.url, "root", "1234");
            return conn;
        } catch (SQLException e) {
            throw e;
        }
    }
}
```

Get



Get by Id



Post

Request 1

Method

POST

Endpoint

http://localhost:8888

Resource

/cmpe281Mengxuan444/rest/employee

Parameters

?f=json

Request

Name	Value	Style	Level
f	json	QUERY	RESOURCE
m	1	TEMPLATE	RESOURCE

Required:

☐ Sets if parameter is required

Type:

Options:

Add..

Media Type

application/json

☐ Post QueryString

```
{
  "id": 1,
  "firstName": "asd",
  "lastName": "qwer"
}
```

Raw

JSON

XML

HTML

Raw

HTTP/1.1 201 Created

Content-Type: application/json; charset=utf-8

Server: Development/1.0

Date: Thu, 10 Nov 2016 09:27:31 GMT

Cache-Control: no-cache

Content-Length: 0

Location: http://localhost:8888/cmpe281Mengxuan444/rest/employee?f=json

Put

Request 1

Method

PUT

Endpoint

http://localhost:8888

Resource

/cmpe281Mengxuan444/rest/employee/{m}

Parameters

?f=json

Request

Name	Value	Style	Level
f	json	QUERY	RESOURCE
m	1	TEMPLATE	RESOURCE

Required:

☐ Sets if parameter is required

Type:

Options:

Add..

Media Type

application/json

☐ Post QueryString

```
{
  "firstName": "fer"
}
```

Raw

JSON

XML

HTML

Raw

HTTP/1.1 200 OK

Content-Type: application/json; charset=utf-8

Cache-Control: no-cache

Server: Development/1.0

Date: Thu, 10 Nov 2016 09:40:18 GMT

Content-Length: 0

Delete

Request 1

Method

DELETE

Endpoint

http://localhost:8888

Resource

/cmpe281Mengxuan444/rest/employee/{m}

Parameters

?f=json

Raw

Name	Value	Style	Level
f	json	QUERY	RESOURCE
m	1	TEMPLATE	RESOURCE

Required:

☐ Sets if parameter is required

Type:

Options:

Add..

Media Type

application/json

☐ Post QueryString

Raw

HTTP/1.1 200 OK
Cache-Control: no-cache
Server: Development/1.0
Date: Thu, 10 Nov 2016 09:40:54 GMT
Content-Length: 0
Expires: Mon, 01 Jan 1990 00:00:00 GMT