MS-1 User Authentication Service

DEAD

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Discussion

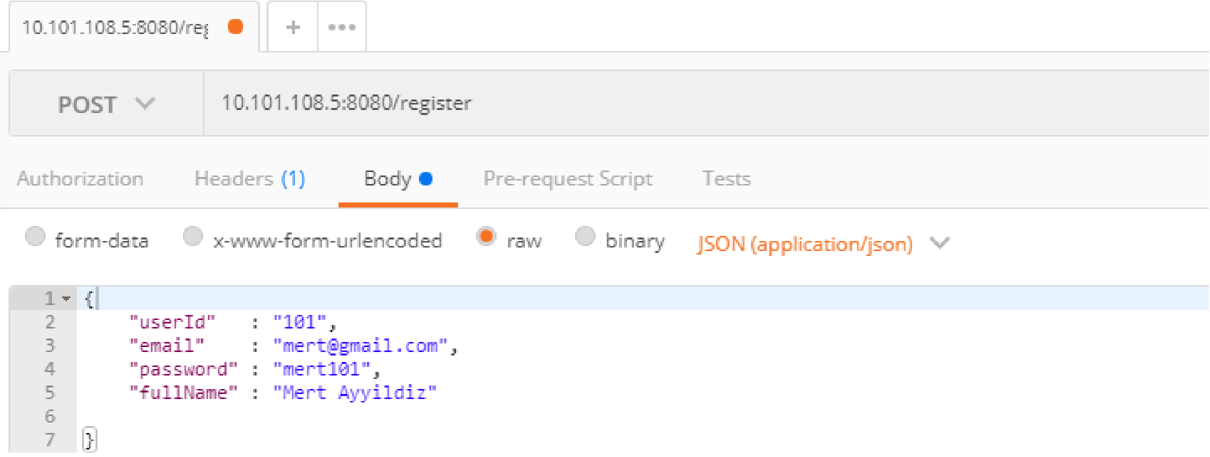
I decided after first submission my framework to change. It then I used the Spring Framework and I find it more useful now. New person sign up, person log in provided to my service. Only POST and GET methods were used. But we can easily develop program with PUT and DELETE methods. For Registration 4 user data is selected and for log in only 2. We have a total of 5 paths.

Implementation and Testing

Program was programmed with Java and used as Framework Spring Framework REST. This service implements user registration and user login. For this we use GET and POST methods.

Registration:

We use GET for query and POST for register. For registration, we send 4 data at the same time with POST method.



POST 10.101.108.5:8080/register

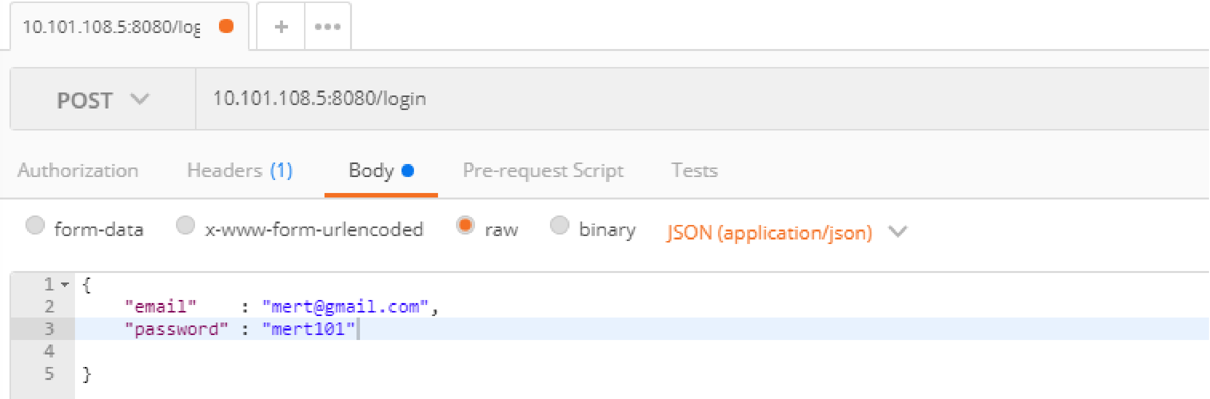
```
{
    "userId"   : "101",
    "email"    : "mert@gmail.com",
    "password" : "mert101",
    "fullName" : "Mert Ayyildiz"

}
```

ID, an e-mail address, a password and complete name. When it registers, we get CREATED HttpStatus.

Log in:

For log in we need POST method again, but this time we send only email and password. If it does not succeed, then we get CONFLICT HttpStatus and "Failed to log in" log info.



POST 10.101.108.5:8080/login

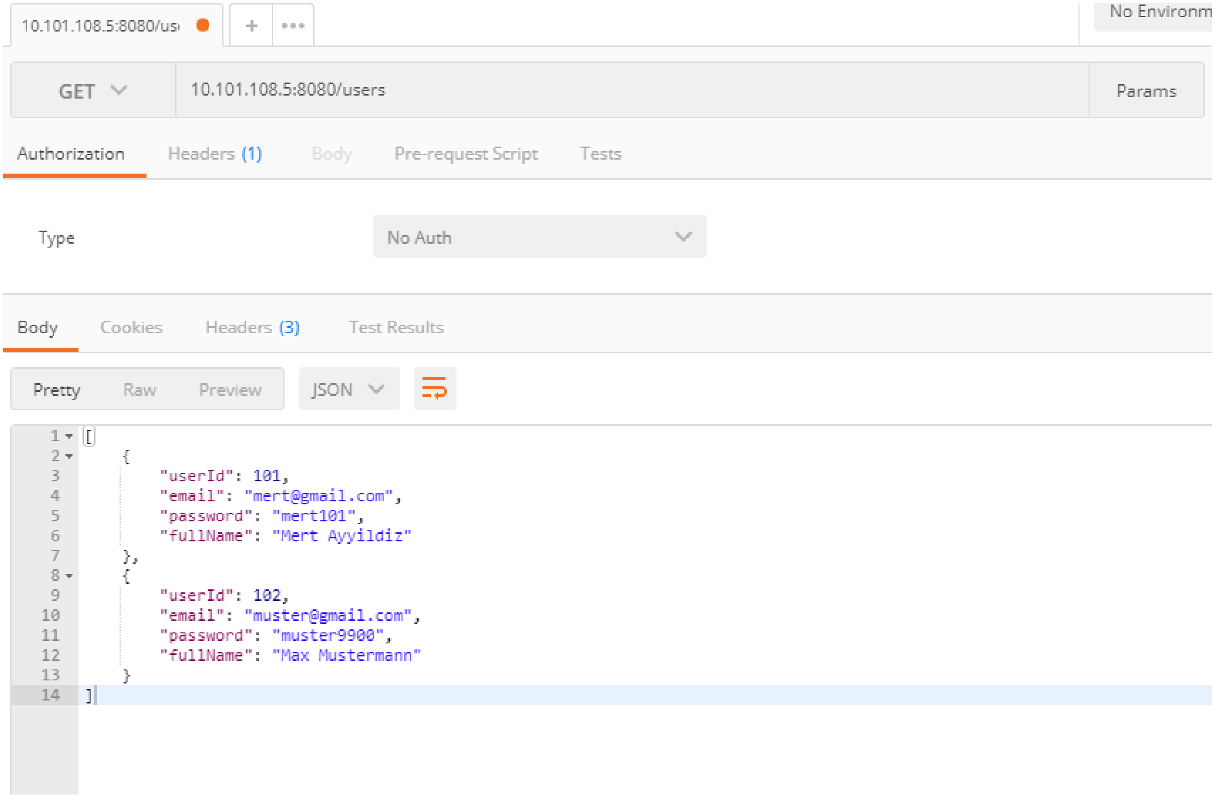
```
{
    "email"    : "mert@gmail.com",
    "password" : "mert101"

}
```

If it succeeds, we get CREATED HttpStatus and "Loged in succesfully" log info.

Users:

Besides with GET we can see all users, just query GET method and users, then we get all users with all data or only one user with user query we can reach. For both users and users we get OK HttpStatus.



GET 10.101.108.5:8080/users

Type: No Auth

```
[
    {
        "userId": 101,
        "email": "mert@gmail.com",
        "password": "mert101",
        "fullName": "Mert Ayyildiz"
    },
    {
        "userId": 102,
        "email": "muster@gmail.com",
        "password": "muster9900",
        "fullName": "Max Mustermann"
    }
]
```

Test:

Only for sample I also have a test query, because I control whether server and mapping works or not. We get string "Message" and OK HttpStatus.

Deployment

For program start, we announce to VPN and we start with the Class RunApplication (so Tomcat will start). My ip is 10.101.108.5. Port is 8080
My service is very simple coded and has 5 paths:
1- For registration:
POST / 10.101.108.5:8080/register
2-For Log in
POST / 10.101.108.5:8080/login
3-For Users
GET / 10.101.108.5:8080/users
- Example output (Json):

```
[{"userId":101,"email":"mert@gmail.com","password":"mert101","fullName":"Me
rt
Ayyildiz"},{"userId":102,"email":"muster@gmail.com","password":"muster9900"
,"fullName":"Max Mustermann"}]
```

4-For User

- Example output (Json):

GET / 10.101.108.5:8080/user/{id}

```
{"userId":101,"email":"mert@gmail.com","password":"mert101","fullName":"Mert Ayyildiz"}
```

5-For Test

GET / 10.101.108.5:8080/test

- Example output:

Message