

POC Report

explanation and screenshots

Hao Wang

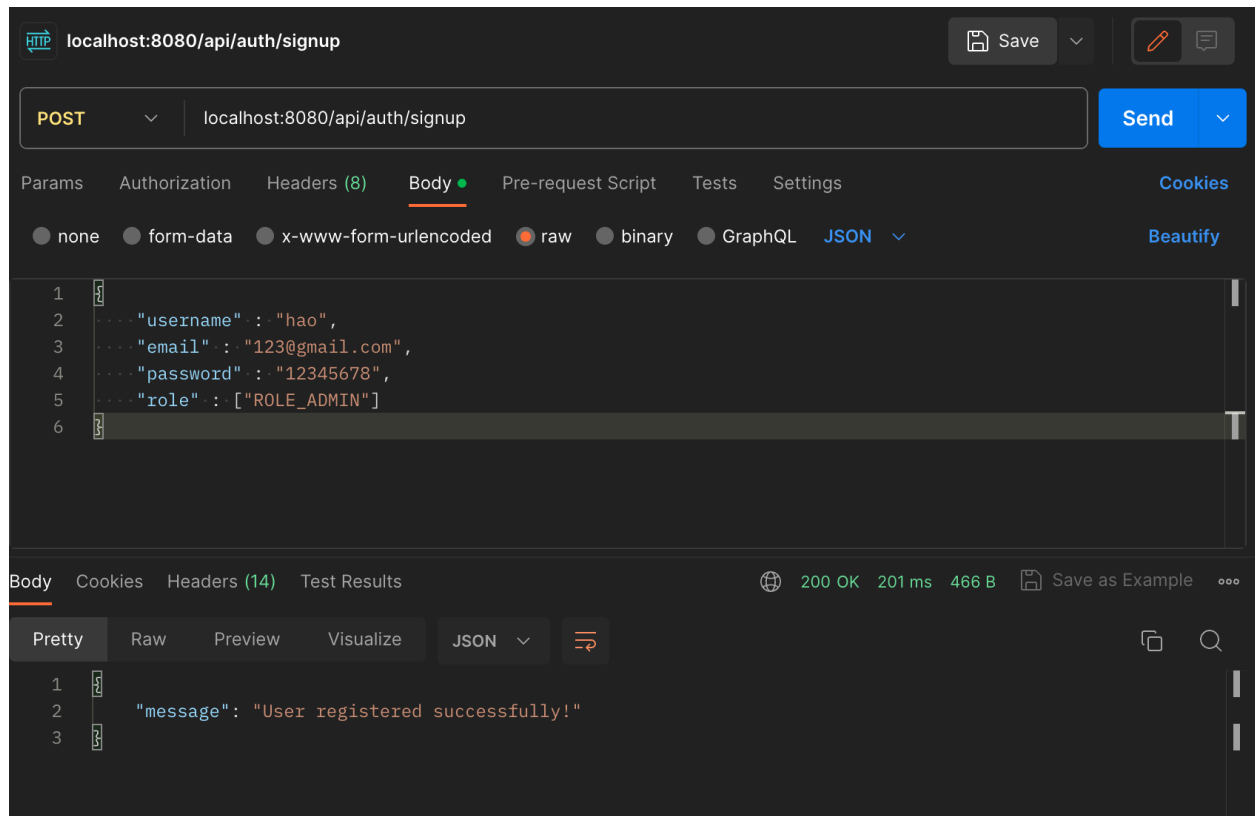
Marlabs

July 19, 2023

Technique included:

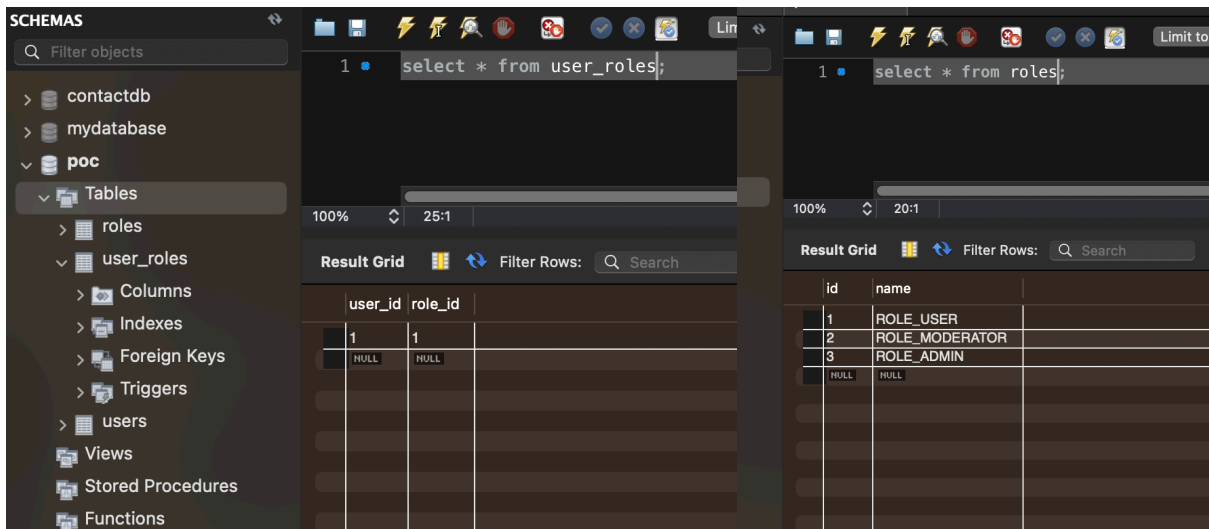
SpringBoot, JPA, MySQL, JWT, Postman, Cache, REST, CRUD

Create User for Login:

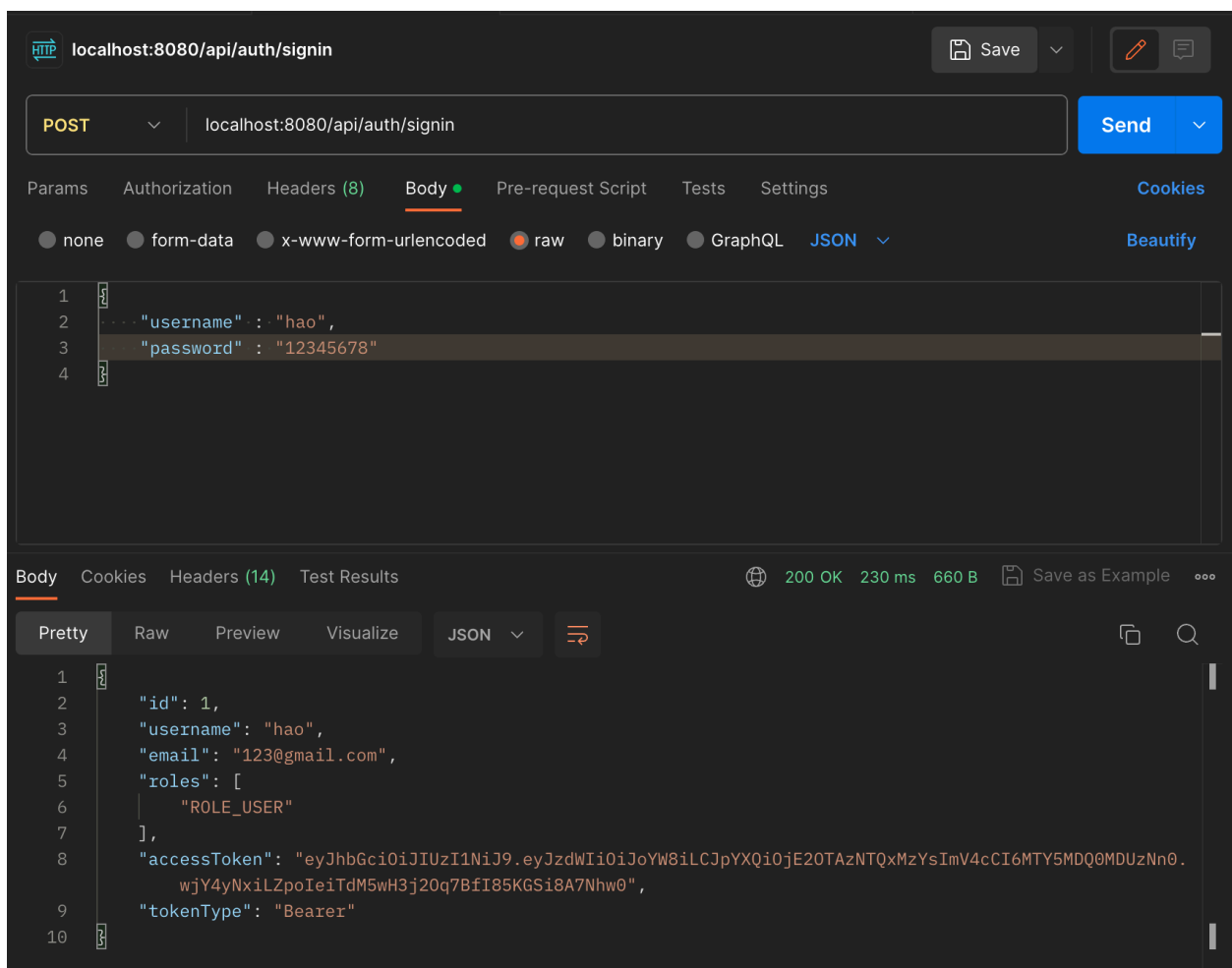


Information in Database:

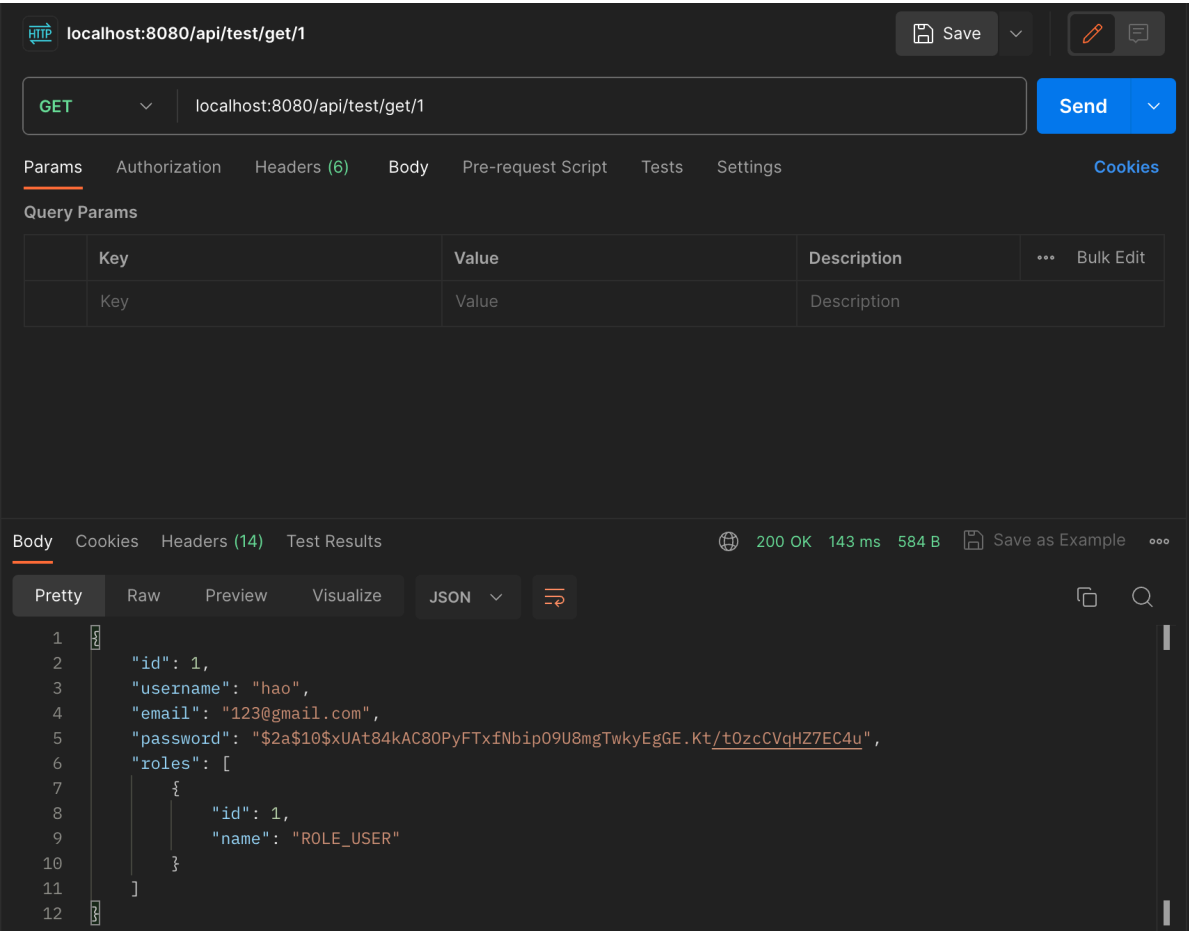
[illegible]



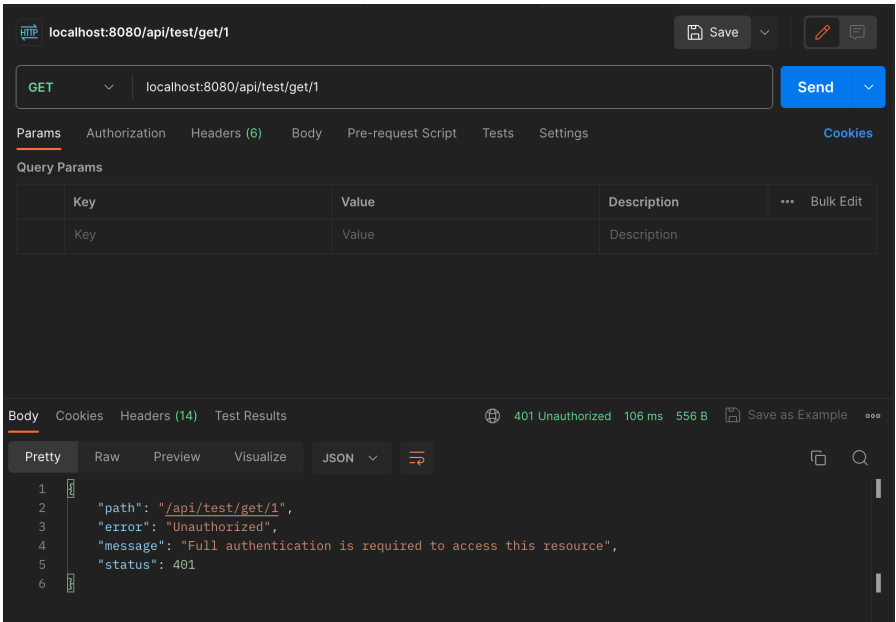
Generating JWT Token:



Get User info by Id with token:



Get User info by Id without token:



Public access of all user info:

The screenshot shows a REST client interface with the following details:

- URL:** `localhost:8080/api/test/get/all`
- Method:** `GET`
- Status:** `200 OK`, `99 ms`, `586 B`
- Response Body (JSON):**

```
{
  "id": 1,
  "username": "hao",
  "email": "123@gmail.com",
  "password": "$2a$10$xUAt84kAC80PyFTxfNbip09U8mgTwkyEgGE.Kt/t0zcCVqHZ7EC4u",
  "roles": [
    {
      "id": 1,
      "name": "ROLE_USER"
    }
  ]
}
```

Key	Value	Description
Key	Value	Description

Update user info with token:

The screenshot shows a REST client interface with the following details:

- URL:** localhost:8080/api/test/update/1
- Method:** PUT
- Body:** A JSON object with the following fields:

```
{  "id": 1,  "username": "James",  "email": "new@marlabs.com",  "password": "$2a$10$xUAt84kAC80PyFTxfNbip09U8mgTwkyEgGE.Kt/t0zcCVqHZ7EC4u",  "role": ["ROLE_ADMIN"]}
```
- Response:** 200 OK, 60 ms, 561 B. The response body is a JSON object:

```
{  "id": 1,  "username": "James",  "email": "new@marlabs.com",  "password": "$2a$10$xUAt84kAC80PyFTxfNbip09U8mgTwkyEgGE.Kt/t0zcCVqHZ7EC4u",  "roles": []}
```

Delete user info with token:

The screenshot shows a REST client interface with the following details:

- URL:** localhost:8080/api/test/delete/1
- Method:** PUT
- Body:** A JSON object with the following field:

```
{  "id": 1}
```

Reference:

<https://www.bezkoder.com/spring-boot-jwt-authentication/>