7 – 11 project demo:

Authentication and Authorization

Zuul Gateway and JWT Authentication

http request

Application launching steps:

Run

-> Eureka service

-> Zuul service

-> Employee service

-> User service.

Database setup:

Assuming ,

user name : root

Password: root

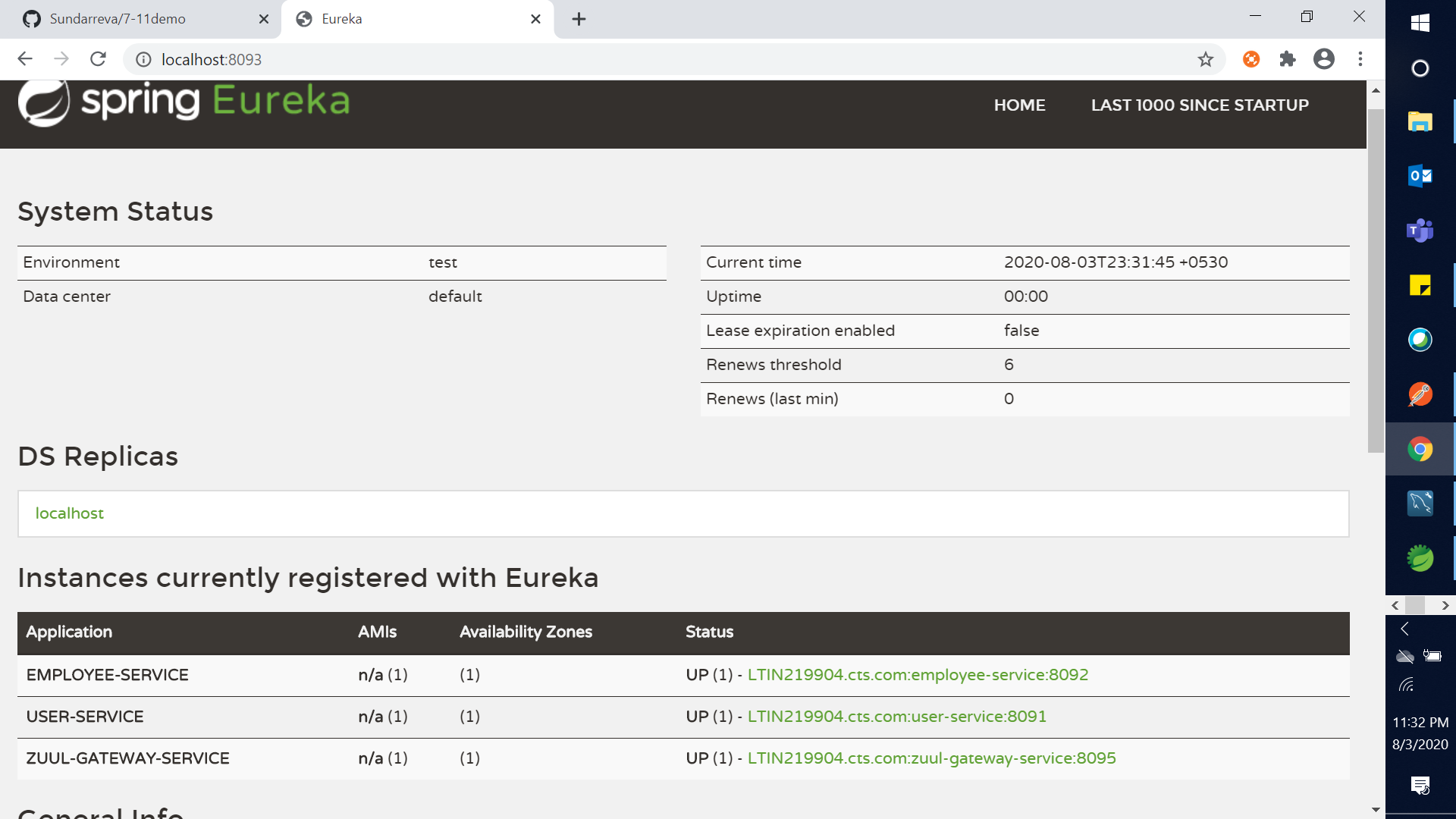
* Run the schema.sql file from the Sql folder and also run the data.sql on the mysql workbench to have the login users and employees data.

Authentication steps,

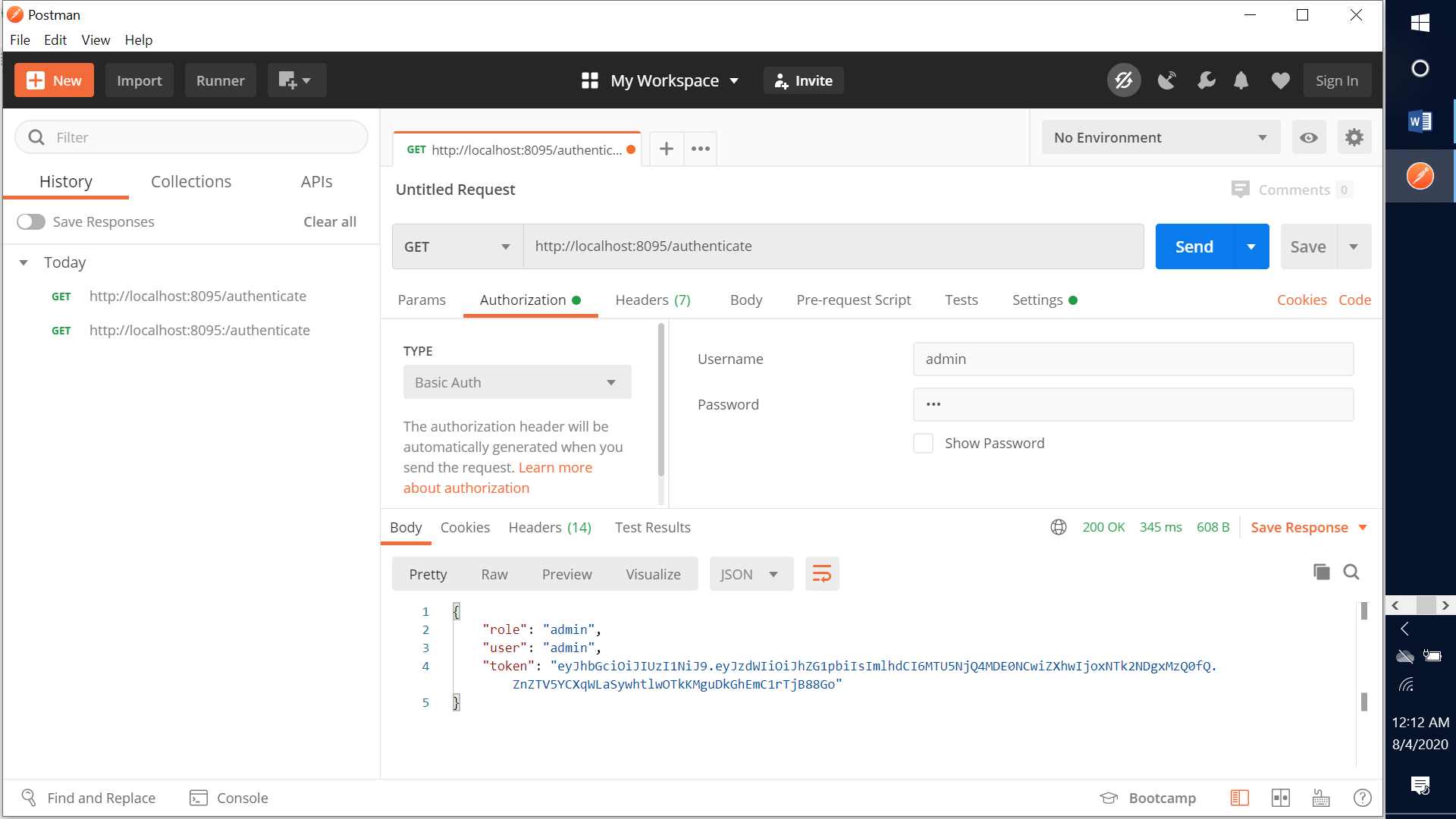
* For authentication <http://localhost:8095:/authenticate> username: admin password: pwd.
* This will return the token. Copy the token and paste it in every request header
* key :“Authorization” value: “Bearer {TOKEN returned from ‘/authenticate’ url}”

the above token and header need to added for every request Authorization.

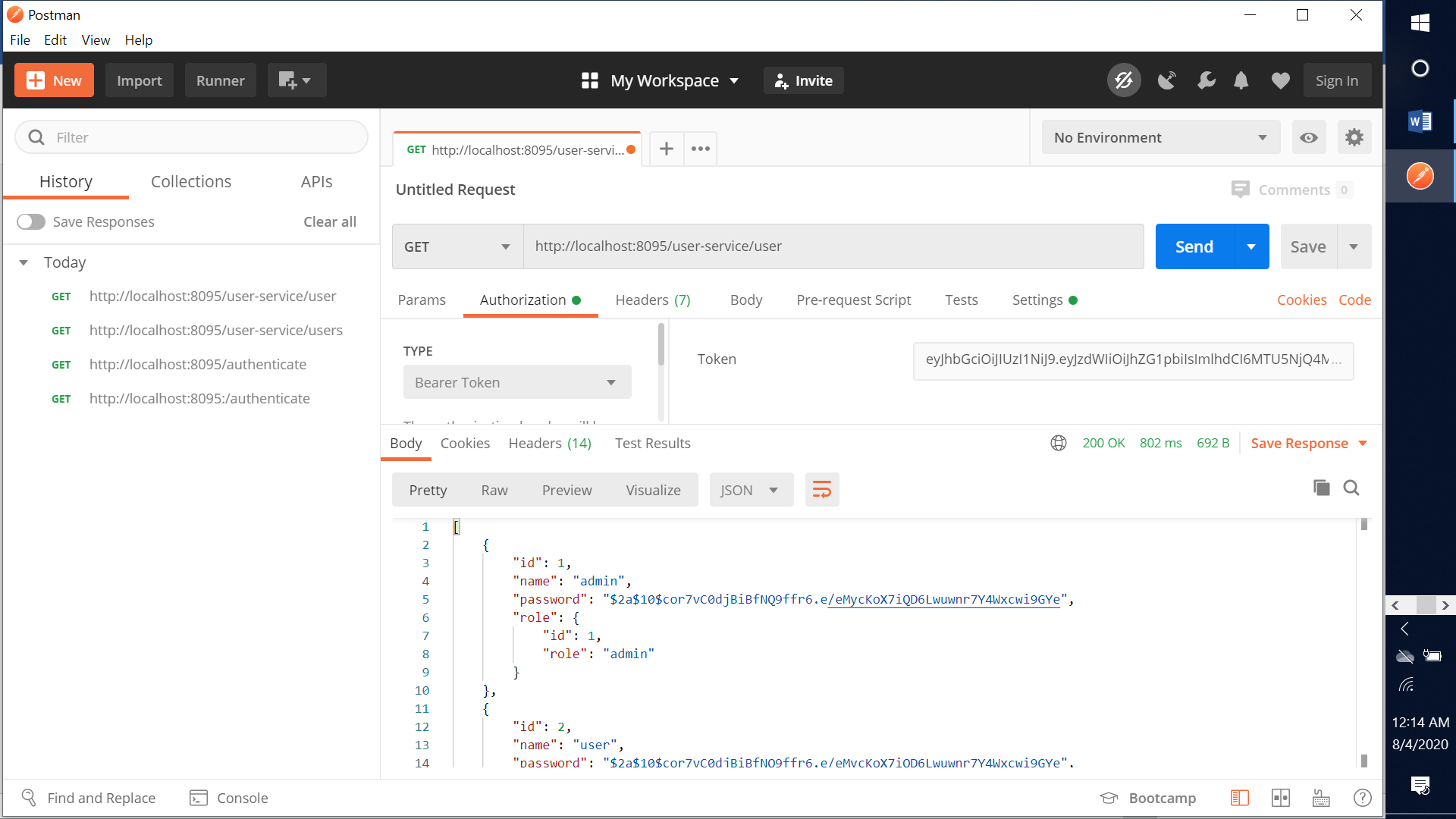
Screenshot of the working application:



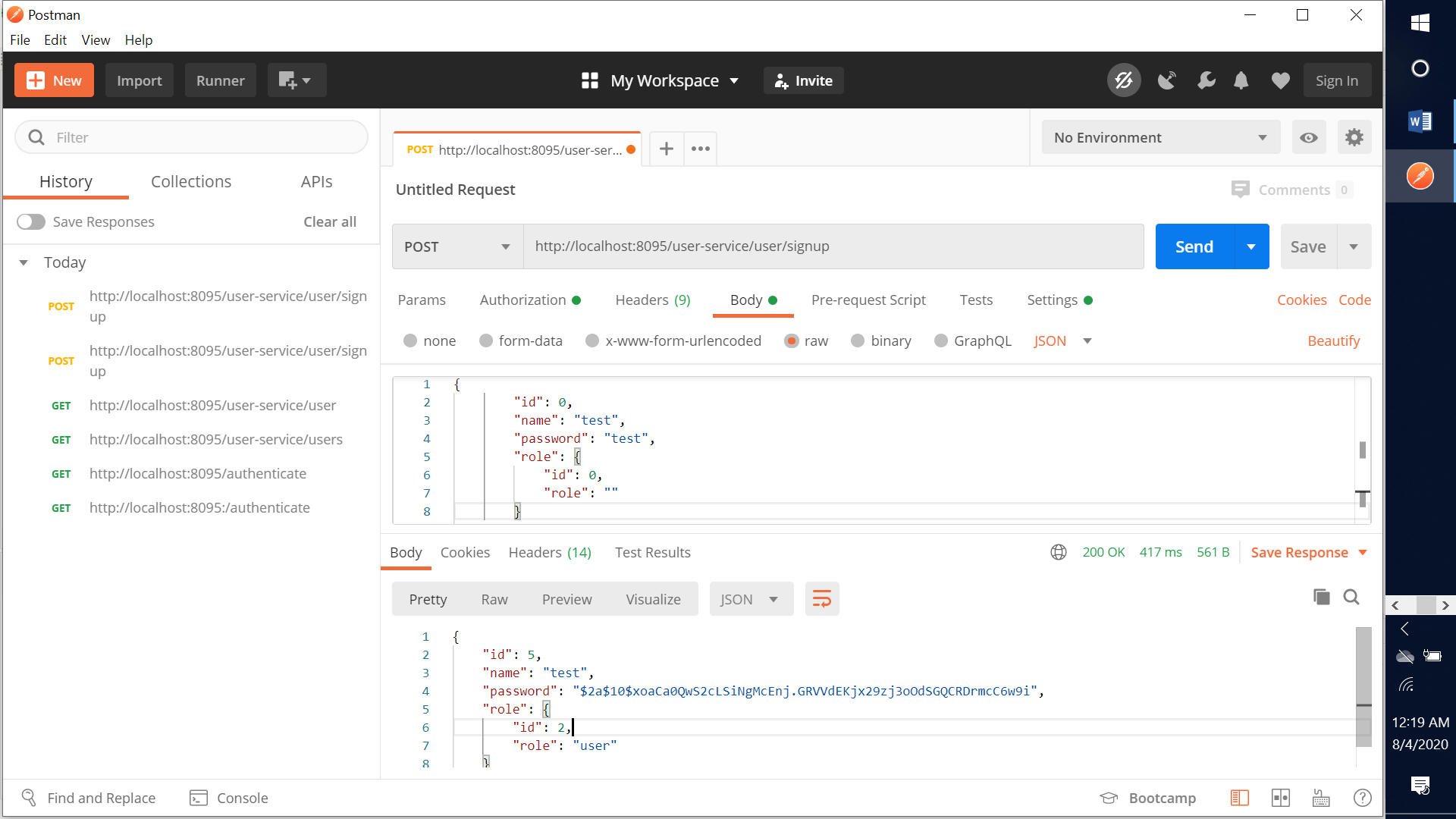
Eureka server registry



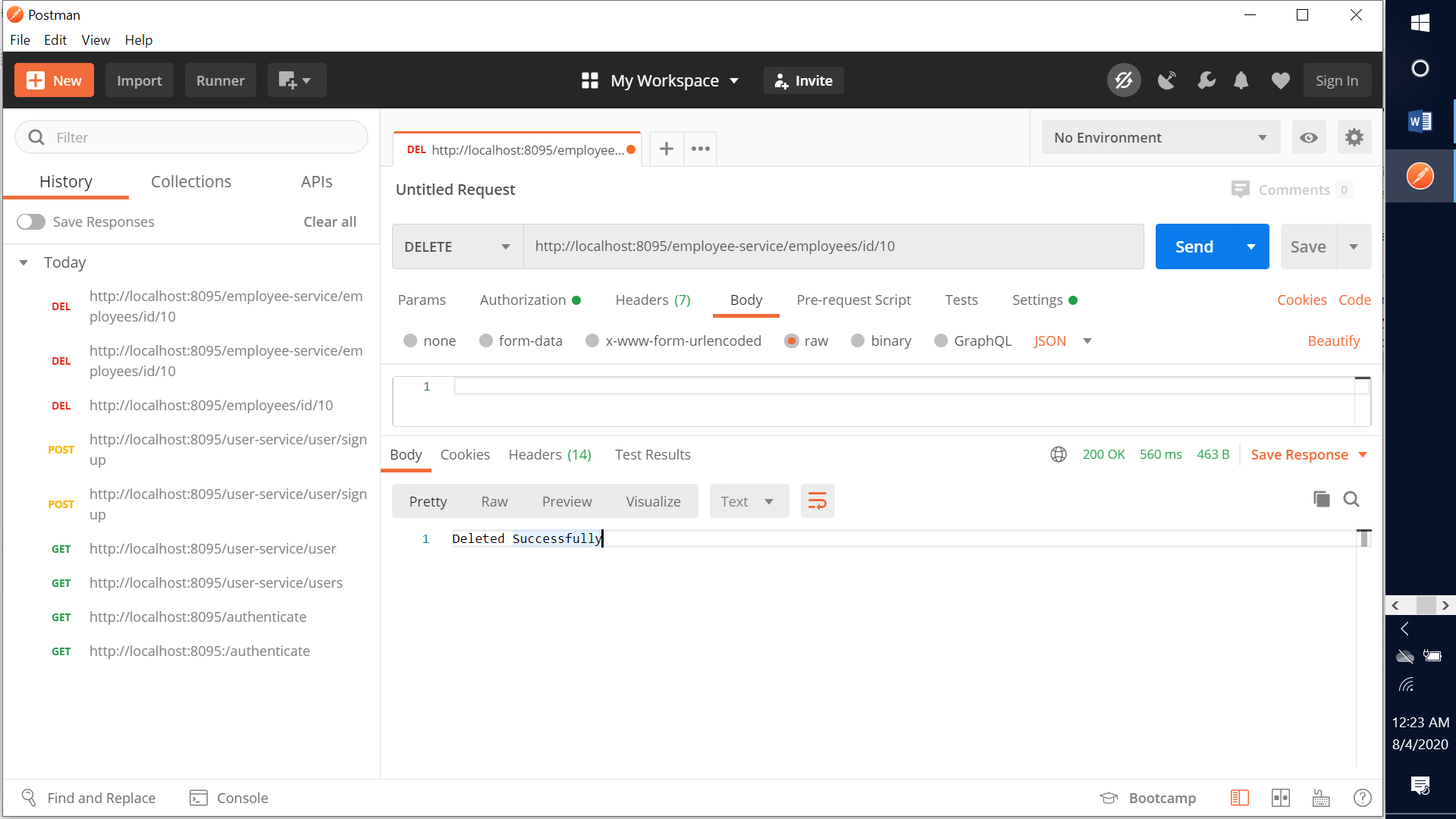
returns token for an valid user credentials



Retriving the user data from user service with JWT Token.



Post a user object for sign in.



Delete an employee object by id -> employee id is 10.

Some other uri,

GET: <http://localhost:8095/user-service/user/id/1>

POST: <http://localhost:8095/user-service/user/signup>

Body:

{

"id": 0,

"name": "",

"password": "",

"role": {

"id": 0,

"role": ""

}

}

DELETE: http://localhost:8095/user-service/user/id/2

GET: http://localhost:8095/user-service/eureka

GET: <http://localhost:8095/user-service/eureka/employee-service/employees>

GET: <http://localhost:8095/employee-service/employees>

PUT: <http://localhost:8095/employee-service/employees/add>

Body:

 {

        "id": 0,

        "name": "Niklesh",

        "designation": "Trainee",

        "salary": "27000",

        "domain": "Healthcare"

    }

POST: <http://localhost:8095/employee-service/employees/update>

Body:

 {

        "id": 0,

        "name": "Niklesh",

        "designation": "Associate",

        "salary": "27000",

        "domain": "Healthcare"

    }

GET: <http://localhost:8095/employee-service/employees/netsalary>

GET: <http://localhost:8095/employee-service/employees/salary/20000/40000>

GET: <http://localhost:8095/employee-service/employees/designation/associate>

DELETE: <http://localhost:8095/employee-service/employees/designation/associate>

GET: <http://localhost:8095/employee-service/eureka>

GET: <http://localhost:8095/employee-service/eureka/user-service/user>