Please use spring boot and JAVA 8/11 for the following exercise.

1. Create a simple micro service with 2 REST API’s to get and update user details using

In-memory database i.e h2

1) Get User Details (look at the example below to design the h2 database)

2) Update User Details (user can update any field)

Note : Insert 5 to 10 users in h2 db during the start-up to perform the above operations

1. Implement the circuit breaker and transaction rollback for the database call.
2. Intercept the incoming request to validate the user id is only numeric or else return appropriate validation error.
3. Implement the entry/exit logging for the project
4. Write the unit, Integration and pact testing(validate the contracts) for it

    (Create your own pact contract json for validation, By Assuming the contract is provided by the consumer)

1. Perform Basic User authentication and authorization for these end points.

Would be great if there are multiple roles(not mandatory)

Eg: Admin user should be able to update user details

Non-admin user can only access user details API (read only access).

eg: <http://local:8080/api/userdetails>  ( user id will be sent as part of the request eg: 12345}

Output  : eg:

   {

               "title": "mr",

               "firstn": "test",

               "lastname": "tsetlast",

               "gender": "male",

               "address": {

                              "street": "12345 holling rd",

                              "city": "Sydney",

                              "state": "nsw",

                              "postcode": 2000

               }

   }

Please provide the instruction to run the application and also send the postman or curl commands to execute the API’s.