Spring Boot Technical Assessment 101

Candidates have to create the below mentioned APIs using SPRING BOOT and DataBase of their choice. Also, it would be great if candidates can showcase the APIs via Unit Test Cases created using JUNITS.

Code has to be there on any public GIT Repository of their choice. Optionally, you can also deploy the Code on any Server like AWS, Heroku, Google Cloud etc.

1. **LOGIN API**
   1.1. End point: https://api.eronmicro.com/api/v1/user/login
   1.2. HTTP Method: POST
   3. Sample request: {“userName”:”abc”, “password”:“xyz”}
   4. Sample success response: {“errorMessage”:null,"status":true,"data": {“token”:”abc”,“user”:{“id”:”123”,“userName”:”abc”,”gender”:”FEMALE”}}}

2. **REGISTER API**
   2.1. End point: https://api.eronmicro.com/api/v1/user
   2.2. HTTP Method: POST
   3. Sample request: {“userName”:”abc”, “password”:“xyz”,”gender”:”MALE”}
   4. Sample success response: {“errorMessage”:null,"status":true,"data": {“token”:”abc”,“user”:{“id”:”123”,“userName”:”abc”,”gender”:”MALE”}}}

3. **GET USERS API**
   3.1. End point: https://api.eronmicro.com/api/v1/user?page=0&size=25
   3.2. HTTP Method: GET
   3. Sample request: HEADER should have the following key value pair X-AUTH-TOKEN = <token got after login/register>
   4. Sample success response: {“errorMessage”:null,”status”:true,"data":{"currentPage": 0,"currentPageSize":25,"totalPages":40,"totalElements":1000,"content":[{"id":

1,"userName":"abc","password":"pass3","gender":"OTHERS"},{"id":
2,"userName":"def","password":"pass4","gender":"MALE"} …]}}

4. VERIFY TOKEN API

4.1. End point: https://api.eronmicro.com/api/v1/user/verify-token

4.2. HTTP Method: POST

3. Sample request: HEADER should have the following key value pair X-AUTH-TOKEN = <token got after login/register>
4. Sample success response: {“errorMessage”:null,"status":true,"data":{"id":1,"userName":"abc","gender":"FEMALE"}}

All Error Responses have the following format:

{"errorMessage":"<message>","status":false,"data":null}