

System testing:

Initial authentication of ADMIN:

The screenshot shows a REST client interface with a POST request to `localhost:8081/authenticate`. The request body is a JSON object: `{ "netId": "ADMIN", "password": "0000" }`. The response status is 200 OK, and the response body is a JSON object: `{ "token": "eyJhbGciOiJIUzUxMiJ9.eyJyb2xlIjpbeyJhdXRob3JpdHk1O1FTV8MT1FRSj9XSic3V1Ijo1OURLNSU41LCJpYXQ1OjE2NzE4MDA4MDQsImV4cCI6MTY3MTg4NDZlbnH9.rik_SUwoftscYFmUUs4" }`.

```
POST localhost:8081/authenticate

{
  "netId": "ADMIN",
  "password": "0000"
}
```

Status: 200 OK Time: 488 ms Size: 577 B Save Response

```
{
  "token": "eyJhbGciOiJIUzUxMiJ9.eyJyb2xlIjpbeyJhdXRob3JpdHk1O1FTV8MT1FRSj9XSic3V1Ijo1OURLNSU41LCJpYXQ1OjE2NzE4MDA4MDQsImV4cCI6MTY3MTg4NDZlbnH9.rik_SUwoftscYFmUUs4"
}
```

ADMIN creates a new user:

The screenshot shows a REST client interface with a POST request to `localhost:8081/register`. The request body is a JSON object: `{ "netId": "newUser", "password": "0000" }`. The response status is 200 OK, and the response body is empty.

```
POST localhost:8081/register

{
  "netId": "newUser",
  "password": "0000"
}
```

Status: 200 OK Time: 159 ms Size: 305 B Save Response

New registered user is registered as a CANDIDATE:

The screenshot shows a REST client interface with a GET request to `localhost:8082/internal/user/getRoleByNetId/newUser`. The request is authorized with a Bearer Token: `eyJhbGciOiJIUzUxMiJ9.eyJyb2xlIjpbeyJhdXRob3JpdHk1O1FTV8MT1FRSj9XSic3V1Ijo1OURLNSU41LCJpYXQ1OjE2NzE4MDA4MDQsImV4cCI6MTY3MTg4NDZlbnH9.rik_SUwoftscYFmUUs4`. The response status is 200 OK, and the response body is `"CANDIDATE"`.

```
GET localhost:8082/internal/user/getRoleByNetId/newUser
```

Authorization: Bearer Token

Status: 200 OK Time: 156 ms Size: 357 B Save Response

```
"CANDIDATE"
```

ADMIN partially updates “newUser” personal information:

POST localhost:8082/internal/user/updateUser

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "netId": "newUser",
3   "address": "newAddress",
4   "email": "newuser@gmail.com",
5   "firstName": "New",
6   "lastName": "User"
7 }
8
```

Body Cookies Headers (11) Test Results

Status: 200 OK Time: 85 ms Size: 549 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "08676a88-fbc0-498c-9324-9eaa085a9fd1",
3   "netId": "newUser",
4   "role": "CANDIDATE",
5   "address": "newAddress",
6   "description": "",
7   "firstName": "New",
8   "lastName": "User",
9   "email": "newuser@gmail.com",
10  "phoneNumber": ""
11 }
```

The updates on the user are stored on the same Entity in the database so there is no duplication of UserEntities when information is updated:

GET localhost:8082/internal/user/getAllNetIds

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 [
2   "ADMIN",
3   "newUser"
4 ]
```

Body Cookies Headers (11) Test Results

Status: 200 OK Time: 33 ms Size: 365 B Save Response

Pretty Raw Preview Visualize JSON

ADMIN deactivates a Users authorities by setting his Role to FIRED:

POST localhost:8082/internal/user/updateUser

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "netId": "newUser",
3   "role": "FIRED"
4 }
5
```

Body Cookies Headers (11) Test Results

Status: 200 OK Time: 21 ms Size: 511 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "08676a88-fbc0-498c-9324-9eaa085a9fd1",
3   "netId": "newUser",
4   "role": "FIRED",
5   "address": "",
6   "description": "",
7   "firstName": "",
8   "lastName": "",
9   "email": "",
10  "phoneNumber": ""
11 }
```