

LAB 6 - Spring Rest Security screenshots

A. Application execution:

```
C:\Library\Java\JavaVirtualMachines\jdk-16.0.1-jdk\Contents/Home/bin/java ...
```

19:30:34.212 [Thread-0] DEBUG org.springframework.boot.devtools.restart.classloader.RestartClassLoader - Created RestartClassLoader org.springframework.boot...

```
:: Spring Boot ::                                     (v2.7.1)
```

2022-07-13 19:30:34.704 INFO 91589 --- [restartedMain] c.gl.studentsapi.StudentApiApplication : Starting StudentApiApplication using Java 16.0.1 on <...> 2022-07-13 19:30:34.706 INFO 91589 --- [restartedMain] c.gl.studentsapi.StudentApiApplication : No active profile set, falling back to 1 default profo<...>	
--	--

2022-07-13 19:30:37.599 INFO 91589 --- [restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default' 2022-07-13 19:30:38.009 WARN 91589 --- [restartedMain] JpaBaseConfiguration\$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. 2022-07-13 19:30:39.026 INFO 91589 --- [restartedMain] o.s.b.w.DefaultSecurityFilterChain : Will secure any request with [org.springframework.security.web.session.DisableEncodeUrlFilter@2771586f, or<...> 2022-07-13 19:30:39.079 INFO 91589 --- [restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729 2022-07-13 19:30:39.116 INFO 91589 --- [restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8222 (http) with context path '' 2022-07-13 19:30:39.128 INFO 91589 --- [restartedMain] c.g.l.studentsapi.StudentApiApplication : Started StudentApiApplication in 4.903 seconds (JVM running for 5.483)<...>	
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2) Records in H2 Database:

localhost:8222/h2-console/login.do?jsessionId=958a56ebd6fde108a673fd3cb17160ef

Auto commit

Max rows: 1000

Auto complete

Off

Auto select

jdbc:h2:mem:student

ROLE

STUDENT

USERS

USER_ROLES

INFORMATION_SCHEMA

Sequences

Users

H2 2.1.214 (2022-06-13)

RunRun SelectedAuto completeClear

SQL statement:

SELECT * FROM STUDENT

SELECT * FROM STUDENT;

STUDENT_ID	COUNTRY	COURSE	FIRST_NAME	LAST_NAME
1	India0	IT0	Maddy0	R0
2	India1	IT1	Maddy1	R1
3	India2	IT2	Maddy2	R2
4	India3	IT3	Maddy3	R3
5	India4	IT4	Maddy4	R4
6	India5	IT5	Maddy5	R5
7	India6	IT6	Maddy6	R6
8	India7	IT7	Maddy7	R7
9	India8	IT8	Maddy8	R8
10	India9	IT9	Maddy9	R9

(10 rows, 1 ms)

3) Test from Postman

Below screenshots show that the normal user is able to read records hosted on the server.

GET:

GET ▼ http://localhost:8222/api/students/

Params Authorization ● Headers (10) Body ● Pre-request Script Tests Settings

Type Basic Auth ▼

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. [Learn more about variables](#) ↗

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#) ↗

Username

Password

☒ Show Password

Body Cookies Headers (10) Test Results ⊕ Status: 200 OK Time: 0 ms Size: 415 B

Pretty Raw Preview Visualize JSON ▼ ≡

```
1 {
2   "studentId": 1,
3   "firstName": "Maddy0",
4   "lastName": "R0",
5   "course": "IT0",
6   "country": "India0"
7 },
8 {
9   "studentId": 2,
```

Below Screenshots show that the Admin user is able to read and write data on the server hosted.

POST:

POST ▼ http://localhost:8222/api/students/

Params Authorization ● Headers (10) Body ● Pre-request Script Tests Settings

Type Basic Auth ▼

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. [Learn more about variables](#) ↗

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#) ↗

Username

Password

☒ Show Password

Body Cookies Headers (10) Test Results ⊕ Status: 201 Created Time: 80 ms Size: 415 B

Pretty Raw Preview Visualize JSON ▼ ≡

```
1 {
2   "studentId": 10,
3   "firstName": "Sameer0",
4   "lastName": "asd0",
5   "course": "IT0",
6   "country": "In0"
7 }
```

GET:

GET

http://localhost:8222/api/students/

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Type

Basic Auth

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative

[Learn more about variables](#)

The authorization header will be automatically generated when you send the request.

[Learn more about authorization](#)

Username

admin

Password

admin

☒ Show Password

Body

Cookies

Headers (10)

Test Results

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

9

10

{

"studentId": 1,

"firstName": "Maddy0",

"lastName": "R0",

"course": "IT0",

"country": "India0"

},

{

"studentId": 2,

Below screenshots show that any user who is unauthorised is unable to read any records.

GET

http://localhost:8222/api/students/

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Type

Basic Auth

! Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend you use variables instead. [Learn more about variables](#)

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Username

Username

Password

Password

☒ Show Password

Body

Cookies

Headers (11)

Test Results

⚙ Status: 401 Unauthorized Time: 80 ms

Pretty

Raw

Preview

Visualize

Text

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