**MODULE 4**

**AUTHENICATION & AUTHORIZATION**

TASK 1 (pp. 1 - 3)

Create a simple Spring Web application with endpoint /study/v1/info with returns simple text:

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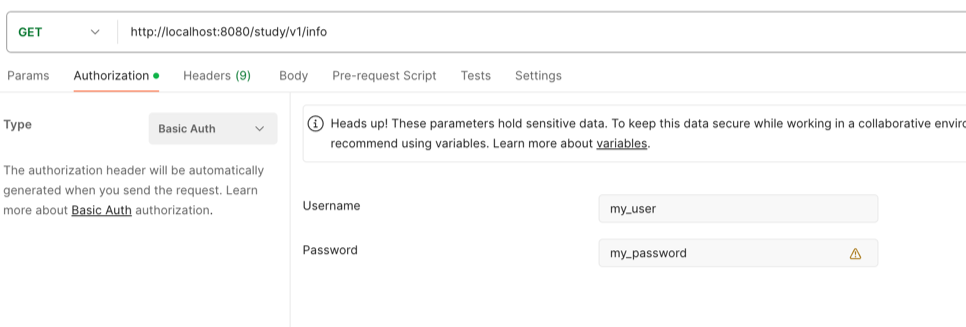
After added spring security dependency and configuration of web security context:

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Endpoint stopped being available without authorization.

After adding authorization header with correspondent data:



Endpoint started being available back:

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TAKS 2 (pp. 4-6)

In-Memory auth does not work anymore:

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Havin provided correct credentials we get access to endpoint:

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Now let’s try to login under admin user with incorrect password:

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And providing correct password we get access to the endpoint under admin user:

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BUT, still the password is used as plain text what’s insecure.

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Having installed Spring CLI and executed password encode commands:

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So, now we can store the password in encoded format as bycrypt. Let’s update Liquibase script to replace password field.

Database table with users looks as follows:

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Testing endpoint. With correct credentials for ADMIN user:

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With incorrect credentials:

SA user

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Admin user:

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And with correct credentials for SA user:

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Introducing new endpoint /study/v1/about with non-authenticated access:

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Trying to call /study/v1/info in non-authenticated mode:

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DENIED!

Setting up authentication mode ad providing credentials:

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