

Instructions



How is it going ? Do you have problems with practical tasks ? Any concerns with learning materials ?

4 responses

me too

i'm tires boss

me as well

tired instead tires

Today's agenda

- Total Recall
- Spring Framework
- Quiz
- Questions

Total Recall



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What do you remember from the previous workshop ?

Authentication is ...

3 ✓



The process of verifying the identity of a user

0 ✗

The process of encrypting user passwords

0 ✗

The process of authorizing user access based on their role

Which annotation configures security?

3 ✓



0 ✗

@WebMvcSecurity

0 ✗

@EnableSecurity

0 ✗

@SecurityProvider

@EnableWebSecurityConfig

What is hashing?

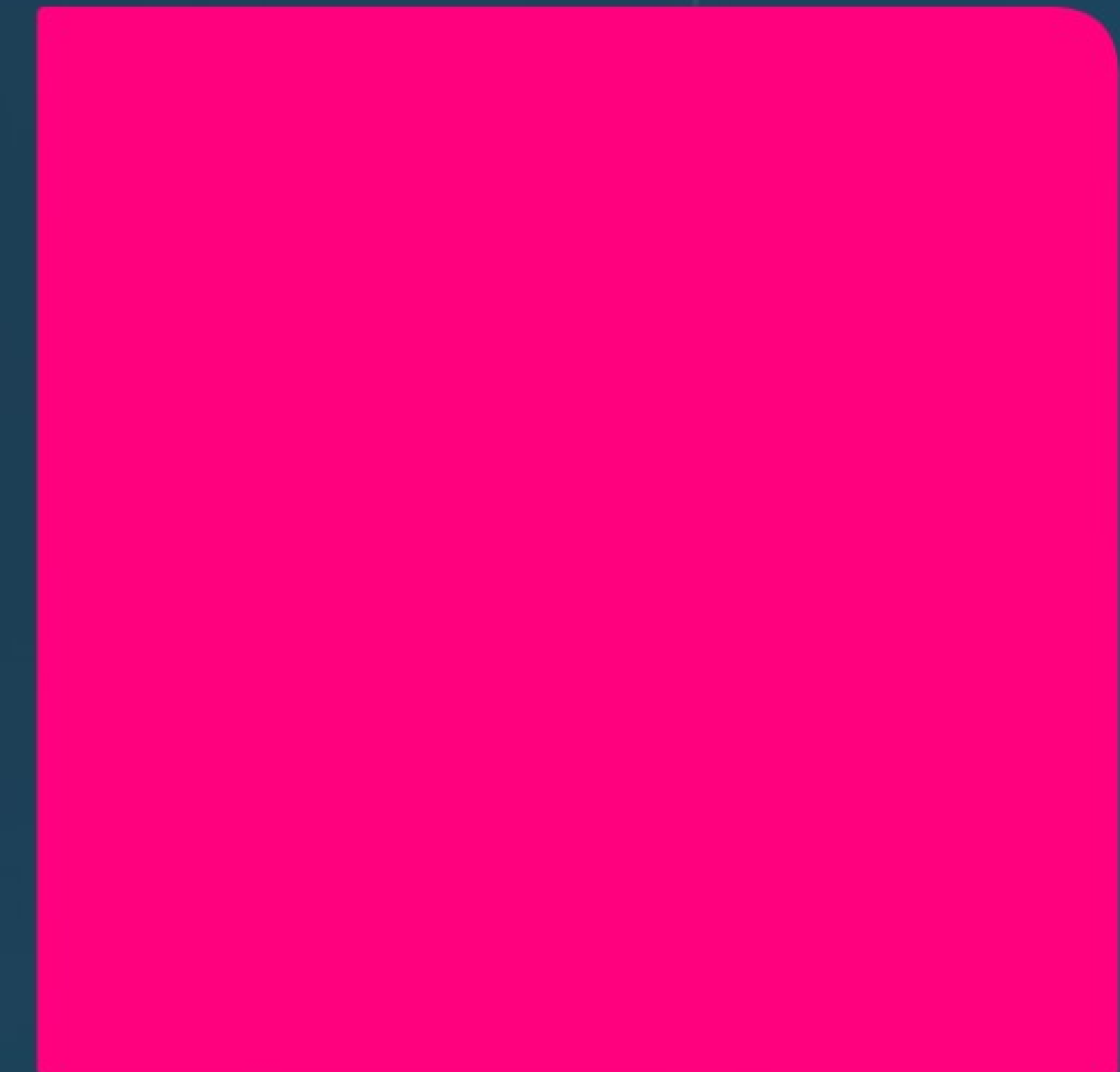
0 ✗

Hashing ensures passwords are stored in plaintext format in the database

0 ✗

Hashing is a reversible process, allowing passwords to be retrieved from the hash

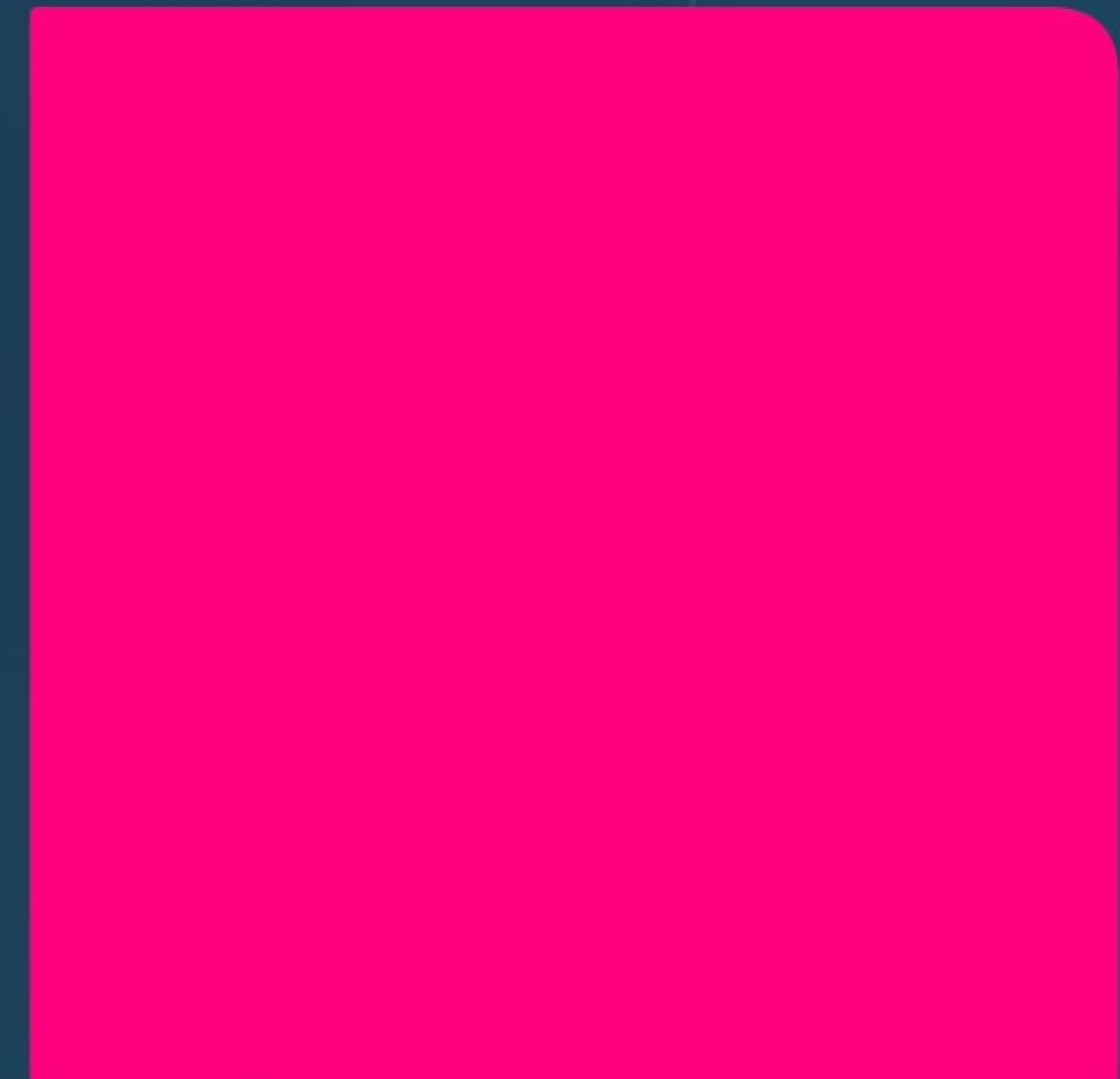
4 ✓



Hashing irreversibly transforms passwords into fixed-length representations

Security feature of form-based authentication is ...

4 ✓



0 ✗

Multi-factor authentication

0 ✗

Encrypted transmission of user
credentials

Customizable login error handling and
redirection

Spring Security (ws-24)

Do you have questions \ uncertainties \ concerns on materials? (If no - it means all clear for you)

Practical tasks

Spring

practice...

Continuous Quiz

What does OAuth stand for?

4 ✓



Open Authorization

2 ✗



Open Authentication

0 ✗

Open Authism

What is OAuth2?

4 ✓



Authorization protocol

1 ✗



Authentication protocol

0 ✗

Firewall for backend application

OAuth2 is ...

0 ✕

A method for encrypting data

0 ✕

Standard authentication

6 ✓



A framework for granting third-party access without sharing passwords

OAuth2 is the most useful for - ?

1 ✕

Web server

0 ✕

Developer

5 ✓

End user

Who is resource owner?

5 ✓



User who authorizes access to their protected resources

0 ✗

OAuth2 client application

1 ✗

OAuth server

Why need OAuth2 access token?

2 ✕



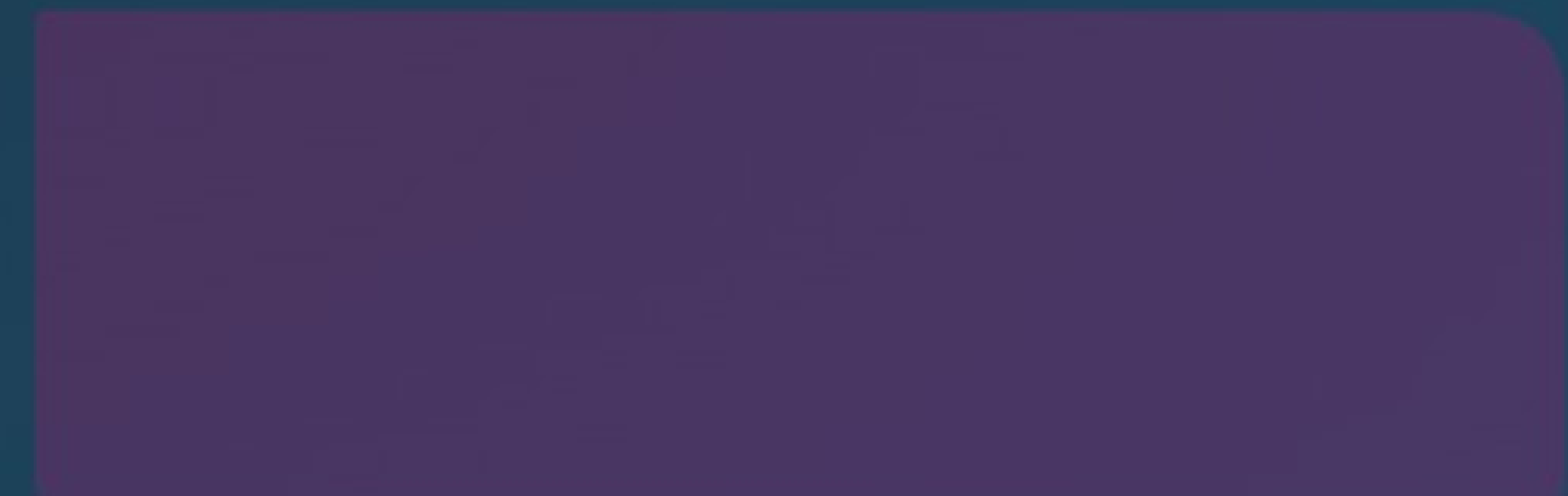
To authenticate the user

3 ✓



To authorize access to specific resources

1 ✕



To encrypt sensitive data during transmission

Which one is the most secure?

0 ✓

LDAP

1 ✗

Basic auth

0 ✗

Form-based auth

5 ✓

OAuth2

OAuth2 is the most secure

OAuth2 is considered highly secure because it allows for token-based authentication and authorization, providing fine-grained control over access to resources.

LDAP (Lightweight Directory Access Protocol) is often used for centralized authentication and authorization, providing a robust mechanism for managing user identities and permissions.

Form-based authentication allows users to authenticate using a login form, which may be vulnerable to attacks like phishing but can be secured with measures like CSRF protection.

Basic authentication involves sending credentials (username and password) with each request, which is less secure compared to other methods as the credentials are sent in plaintext unless used over HTTPS

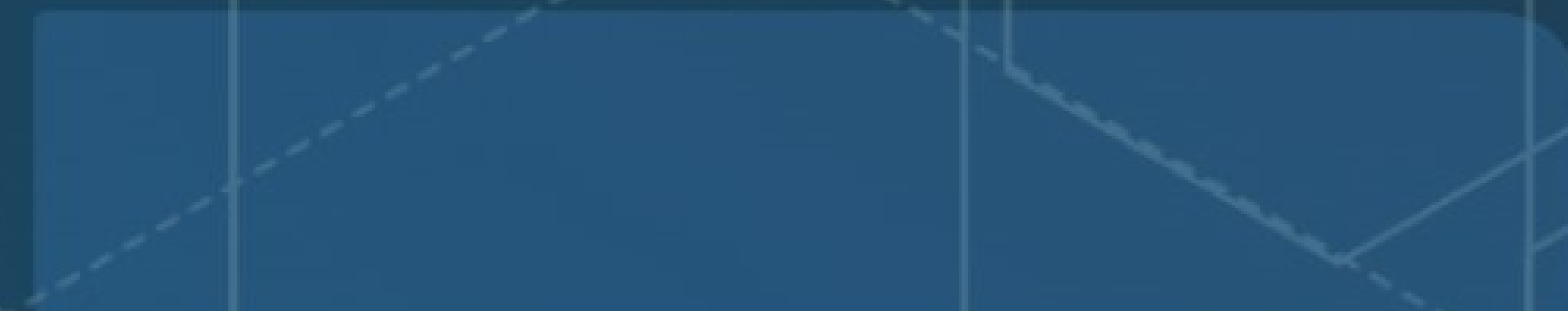
JWT stands for?

5 ✓



JSON Web Token

1 ✗



Java Web Token

0 ✗

JavaScript Web Token

How does JWT ensure data integrity and authenticity?

0 ✗

By encrypting the payload

3 ✓

By adding a digital signature to the token

2 ✗

By hashing the token before transmission

In which part of a JWT is the actual user information typically stored?

3 ✖



Header

3 ✔



Payload

0 ✖

Signature

Quiz leaderboard



Next time: Spring REST

Questions?

