

## Feedback — Week 6 Quiz

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You submitted this quiz on **Wed 11 Feb 2015 7:39 AM PST**. You got a score of **6.50** out of **7.00**. However, you will not get credit for it, since it was submitted past the deadline.

### Question 1

Which of the following are reasons that username/password logins and session cookies are not ideal for mobile clients? (check all that apply)

Your Answer	Score	Explanation
<input type="checkbox"/> Mobile clients can't use username / password login approaches	✓ 0.25	
<input checked="" type="checkbox"/> It isn't possible to easily revoke access to a single app	✓ 0.25	
<input type="checkbox"/> Mobile clients are incapable of prompting a user for username / password information	✓ 0.25	
<input checked="" type="checkbox"/> Changing your password can revoke access to every app that uses it	✓ 0.25	
Total	1.00 / 1.00	

#### Question Explanation

See: Section 4 Module 3 Part 1: Stateful Sessions with Cookies & Why They Aren't Ideal for Mobile

### Question 2

Which of the following analogies is most appropriate for describing OAuth 2.0?

Your Answer	Score	Explanation
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☐ A social security number for a person

☐ A phonebook for a city

☒ A valet key for a car ✓ 1.00

☐ A password for a home security system

Total 1.00 / 1.00

#### Question Explanation

See: Section 4 Module 3 Part 2: Intro to OAuth 2.0

## Question 3

What is the purpose of a password grant in OAuth 2.0? (check all that apply)

Your Answer	Score	Explanation
<input type="checkbox"/> To revoke an app's access to the user's password	<span style="color: green;">✓</span> 0.25	
<input type="checkbox"/> To reset a user's password	<span style="color: green;">✓</span> 0.25	
<input checked="" type="checkbox"/> To authenticate the user	<span style="color: green;">✓</span> 0.25	
<input type="checkbox"/> To obtain a token required for access to one or more resources on the system	<span style="color: red;">✗</span> 0.00	
Total	0.75 / 1.00	

#### Question Explanation

See: Section 4 Module 3 Part 3: OAuth 2.0 & the Password Grant Flow

## Question 4

How is a bearer token used? (check all that apply)

Your Answer	Score	Explanation
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<input type="checkbox"/> It is provided in the body of a PUT request as JSON	✓	0.25
<input type="checkbox"/> It is provided in the body of a POST request as JSON	✓	0.25
<input type="checkbox"/> It is used to generate cookies that the client sends to the server	✓	0.25
<input checked="" type="checkbox"/> It is provided in the Authorization header of a request to prove a client's identity	✓	0.25
Total		1.00 / 1.00

**Question Explanation**

See: Section 4 Module 3 Part 4: Using Tokens for Resource Access

## Question 5

Which of the following is an example of horizontal scaling? (check all that apply)

Your Answer	Score	Explanation
<input checked="" type="checkbox"/> Adding a new server to support additional load for an application	✓ 0.25	
<input type="checkbox"/> Adding an additional Spring controller to an application	✓ 0.25	
<input type="checkbox"/> Adding an extra processor to a server to support additional load for an application	✓ 0.25	
<input type="checkbox"/> Adding extra memory to a server to support additional load for an application	✓ 0.25	
Total		1.00 / 1.00

**Question Explanation**

See: Section 5 Module 1 Part 1: Horizontal Scaling

## Question 6

Which of the following are accurate statements about stateless applications? (check all that apply)

Your Answer	Score	Explanation
<input type="checkbox"/> They rely on the use of session cookies	✓ 0.25	
<input checked="" type="checkbox"/> They typically allow requests to be routed to any node running an application instance	✓ 0.25	
<input type="checkbox"/> They are usually harder to horizontally scale than stateful applications	✓ 0.25	
<input checked="" type="checkbox"/> They are usually harder to vertically scale than stateful applications	✗ 0.00	
Total	0.75 / 1.00	

### Question Explanation

See: Section 5 Module 1 Part 2: Load Balancing Stateless vs. Stateful Applications

## Question 7

What is auto-scaling? (check all that apply)

Your Answer	Score	Explanation
<input checked="" type="checkbox"/> Automated addition or removal of computing resources to adapt to changes in an application's load, failures, etc.	✓ 0.25	
<input type="checkbox"/> Automated mechanisms for clients to scale their requests up or down in size	✓ 0.25	
<input type="checkbox"/> Automated mechanisms for clients to scale their timeout values based on connectivity	✓ 0.25	
<input type="checkbox"/> Automated mechanisms for servers to change the time interval at which they checkpoint their virtual machine images	✓ 0.25	

Total

1.00 /

1.00

**Question Explanation**

See: Section 5 Module 1 Part 3: Auto-scaling