Feedback — Week 5 Quiz
Help Center

You submitted this quiz on **Wed 11 Feb 2015 7:37 AM PST**. You got a score of **6.25** 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 is true of public key cryptography? (select all that apply)

Your Answer		Score	Explanation
☐ Data encrypted by the private key can only be decrypted by the private key	✔	0.25	
☑ Data encrypted with the public key can only be decrypted with the private key	✔	0.25	
☑ Data encrypted with the private key can only be decrypted with the public key	✔	0.25	
☐ Data encrypted by the public key can only be decrypted by the public key	✔	0.25	
Total		1.00 / 1.00	

Question Explanation

See: Section 4 Module 1 Part 2: Man in the Middle Attacks & Public Key Infrastructure

Question 2

Which of the following is true of HTTP security? (select all that apply)

Your Answer		Score	Explanation

☐ Only data in the query parameters can be intercepted by an attacker	✔	0.25
☑ Data sent in a message body can be intercepted by an attacker	✔	0.25
☐ Multipart encoding data in the body of a request secures it from interception	✔	0.25
☐ Only data sent in the headers can be intercepted by an attacker	✔	0.25
Total		1.00 / 1.00

Question Explanation

See: Section 4 Module 1 Part 2: Man in the Middle Attacks & Public Key Infrastructure

Question 3

Which of the following is true of HTTPS? (select all that apply)

Your Answer	Score	Explanation
☐ It relies on the client having a valid copy of the server's private key	✔ 0.25	
☑ It relies on mutual client and server trust in a third party to verify the authenticity of the server's public key using the third party's public key	✔ 0.25	
☑ It relies on the client having a valid copy of the the certificate authority's public key	✔ 0.25	
☑ It relies on receiving a public key from the server that is signed by a certificate authority and attached to the server's domain name	✔ 0.25	
Total	1.00 / 1.00	

Question Explanation

See: Section 4 Module 1 Part 3: HTTPS

Question 4

Which of the following is true of session security? (select all that apply)

Your Answer	Score	Explanation
☐ Once a session has been established through a form login, HTTPS is only required if the session data is placed in the query parameters of a request transmitted to the server	✔ 0.25	
☑ Sessions typically rely on the server sending a piece of secret data, such as a cookie, to the client that is included in subsequent requests by the client	✔ 0.25	
☑ Once a session has been established through a form login, HTTPS is required for every request that carries the session data transmitted to the server	✔ 0.25	
☐ Once a session has been established through a form login, HTTPS is no longer required to protect the session data when transmitted to the server	✔ 0.25	
Total	1.00 / 1.00	

Question Explanation

See: Section 4 Module 2 Part 2: Understanding Session Security

Question 5

Which of the following is true of Spring Security? (select all that apply)

Your Answer	Score	Explanation
☑ It provides the ability to intercept and block requests to Controllers from clients that do not have sessions established	✔ 0.25	

☑ It provides the ability to selectively block access to Controller methods based on the session associated with the client sending a request ✔ 0.25

☐ It provides the ability to produce a form login page for a client ✖ 0.00

☑ It provides filters to extract session information from requests and associate requests with users ✔ 0.25

Total 0.75 / 1.00

Question Explanation

See: Section 4 Module 2 Part 3: Spring Security Overview

Question 6

Adding @PreAuthorize to a Controller method with an @RequestMapping has which of the following effects? (select all that apply)

Your Answer		Score	Explanation
☐ It requires that the client has performed email authorization on their account before logging in	✔	0.25	
☑ It requires that a client has established a session in order to send a request to the associated method	✔	0.25	
☑ It requires that the client use BASIC authentication to access the method	✖	0.00	
☑ It requires that the client's session and associated user account cause any expressions in the annotation value to evaluate to true	✔	0.25	
Total		0.75 / 1.00	

Question Explanation

See: Section 4 Module 2 Part 4: Spring Security Method Annotations

Question 7

What is the purpose of the UserDetailsService? (select all that apply)

Your Answer		Score	Explanation
☐ To provide developers the ability to customize how session data is transmitted to the client in header details	✔	0.25	
☑ To provide Spring with a way of looking up user accounts based on a user name	✔	0.25	
☑ To provide Spring with a way to enforce @PreAuthorize annotations on Controller methods	✖	0.00	
☑ To provide developers the ability to customize the management of user accounts in Spring applications	✔	0.25	
Total		0.75 / 1.00	

Question Explanation

See: Section 4 Module 2 Part 5: Building a Custom UserDetailsService