

## Feedback — Week 2 Quiz

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You submitted this quiz on **Mon 2 Feb 2015 8:32 PM PST**. You got a score of **9.00** out of **10.00**. However, you will not get credit for it, since it was submitted past the deadline.

### Question 1

Which of the following are correct statements regarding HTTP polling? (Select all that apply)

Your Answer	Score	Explanation
<input checked="" type="checkbox"/> Polling can generate excess load on a server if the polling interval is too short	✓ 0.33	
<input checked="" type="checkbox"/> Dynamically adapting the polling interval is one approach to reducing unnecessary HTTP requests	✓ 0.33	
<input checked="" type="checkbox"/> Since a client does not have direct access to any server-side state, the client may waste resources by polling the server for updates when there are none	✓ 0.33	
Total	1.00 / 1.00	

#### Question Explanation

See: Section 1 Module 2 Part 4: HTTP Polling

### Question 2

Which of the following are true of Push Messaging? (Select all that apply)

Your Answer	Score	Explanation
<input checked="" type="checkbox"/> If the state that needs to be pushed to a client is extremely sensitive, a "push to poll" model where the server sends a push	✓ 0.25	

notification and then the client polls for a state update is most appropriate

☒ Push messaging relies on a persistent connection between a mobile device and a push messaging system's servers ✓ 0.25

☐ Polling should never be combined with push messaging ✓ 0.25

☒ If the state that needs to be pushed to a client is extremely large (e.g., multiple megabytes), a "push to poll" model where the server sends a push notification and then the client polls for a state update is most appropriate ✓ 0.25

Total 1.00 / 1.00

### Question Explanation

See: Section 1 Module 2 Part 5: Push Messaging

## Question 3

Which of the following are true statements about Servlets? (Select all that apply)

Your Answer	Score	Explanation
<input type="checkbox"/> A servlet has doXXXX methods for each type of content type that can be sent to the server	✓ 0.25	
<input type="checkbox"/> A servlet has doXXXX methods for each type of header that can be sent to the server	✓ 0.25	
<input checked="" type="checkbox"/> A servlet has doXXXX methods for each type of request method that can be sent to the server	✓ 0.25	
<input type="checkbox"/> A servlet has doXXXX methods for each resource that can be referenced in a request	✓ 0.25	
Total	1.00 / 1.00	

### Question Explanation

See: Section 2 Module 1 Part 1: What are Servlets?

## Question 4

Which of the following is true about handling client input data in a servlet? (Select all that apply)

Your Answer	Score	Explanation
<input type="checkbox"/> A servlet does not have to check that the types of values sent to it by a client are correct since the mobile client will always validate them	✓ 0.50	
<input type="checkbox"/> A servlet for a mobile cloud service does not have to check that the values sent to it by a client are correct since the mobile client will always be written by the same developer	✓ 0.50	
<input checked="" type="checkbox"/> A servlet can access URL query parameters sent by a client	✓ 0.50	
<input checked="" type="checkbox"/> A servlet can access url encoded parameters placed in the body of a request sent by a client	✓ 0.50	
Total	2.00 / 2.00	

### Question Explanation

See: Section 2 Module 1 Part 2: A First Cloud Service with a Servlet

## Question 5

Which of the following are true statements regarding request routing and servlets? (Select all that apply)

Your Answer	Score	Explanation
<input type="checkbox"/> A web.xml file is never used to route requests to servlets	✓ 0.25	
<input type="checkbox"/> All requests must be routed to the same servlet	✓ 0.25	
<input checked="" type="checkbox"/> A web.xml file can be used to specify which requests should be routed to which servlets	✓ 0.25	

☒ Requests can be routed to different servlets based on the resource path specified in the request ✓ 0.25

Total 1.00 /  
1.00

### Question Explanation

See: Section 2 Module 1 Part 3: Request Routing and Web.xml

## Question 6

Which of the following could lead to an injection attack? (Select all that apply)

Your Answer	Score	Explanation
<input type="checkbox"/> Allowing client-provided data to control an execution path involving sensitive data	✗ 0.00	
<input checked="" type="checkbox"/> Storing client-provided data without filtering it and then resending it to other clients	✓ 0.50	
<input type="checkbox"/> Failing to verify that the type of data sent to the server is what was expected	✗ 0.00	
<input checked="" type="checkbox"/> Echoing executable client-provided data back to the client without filtering it	✓ 0.50	
Total	1.00 / 2.00	

### Question Explanation

See: Section 2 Module 1 Part 5: Securely Handling Client Data & Avoiding Injection Attacks

## Question 7

Which of the following are true statements regarding client-provided data? (Select all that apply)

Your Answer	Score	Explanation
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<input type="checkbox"/> Careful filtering of client-provided data is not needed if only one type of client is expected to ever use a cloud service	✓	0.40
<input type="checkbox"/> Careful filtering of client-provided data is not needed if the same developer writes the mobile client and the cloud service	✓	0.40
<input type="checkbox"/> Because client-provided data is so hard to filter, a cloud service should never accept a body in an HTTP request	✓	0.40
<input type="checkbox"/> Client-provided data in URL query parameters is always safer than the same data provided in a URL encoded request body	✓	0.40
<input checked="" type="checkbox"/> None of the above	✓	0.40
Total		2.00 / 2.00

**Question Explanation**

See: Section 2 Module 1 Part 5: Securely Handling Client Data & Avoiding Injection Attacks