## Dashboard / My courses / S1-24\_MERGEDSA / General / Quiz 3 (CS10)

Started on	Sunday, 20 October 2024, 3:50 PM		
State	Finished		
Completed on	Sunday, 20 October 2024, 3:55 PM		
Time taken	4 mins 25 secs		
Marks	9.00/10.00		
Grade	<b>4.50</b> out of 5.00 ( <b>90</b> %)		
Question 1 Correct Mark 1.00 out of 1.00			
What does an ESB (Enterprise Service Bus) do in SOA?			
<ul><li>a. Stores dat</li></ul>	a for long-term use		
<ul><li>b. Routes and transforms messages between services </li></ul>			
o. Implements user authentication mechanisms			

The correct answer is: Routes and transforms messages between services

Question 2
Correct
Mark 1.00 out of 1.00

What does a filter do in the pipe-and-filter pattern?

d. Coordinates workflow orchestration

- a. It compresses data to reduce memory usageb. It stores data locally for future processingc. It ensures security by encrypting data
- $\odot$  d. It transforms input data and sends it to the next filter  $\checkmark$

The correct answer is: It transforms input data and sends it to the next filter

6/24, 8:35 AM	Quiz 3 (CS10): Attempt review	
Question <b>3</b>		
Incorrect		
Mark 0.00 out of 1.00		
Which pattern uses unidirectional data flow among components?		
a. Broker Pattern		
<ul><li>○ b. Client-Server Pattern</li></ul>		
○ c. Pipe-and-Filter Pattern X		
Od. Layered Pattern		
The correct answer is: Layered Pattern		
,		
Question <b>4</b>		
Correct		
Mark 1.00 out of 1.00		
What problem does the broker pattern address?		
a. How to improve system performance through caching		
b. How to encrypt data during transmission		
c. How to store large data streams in-memory		
	og their location	
<ul> <li>d. How to connect users to service providers without knowing</li> </ul>	ig their location 🗸	
The correct answer is: How to connect users to service providers without knowing their location		
Question <b>5</b>		
Correct		
Mark 1.00 out of 1.00		
Which of the following is an intermediary component in SOA?		
<ul><li>a. ESB (Enterprise Service Bus) ✓</li></ul>		
b. SOAP connector		
o c. View		
od. Model		

The correct answer is: ESB (Enterprise Service Bus)

.0/24, 6.33	AM Quiz 5 (C510). Attempt teview
Question (	6
Correct	
Mark 1.00	out of 1.00
What is	s one reason to use MVC for building software?
wildtis	some reason to use MVC for building software:
<ul><li>a.</li></ul>	To improve network latency
	To enforce communication protocols
	To separate concerns between user interface and application logic ✓
<ul><li>d.</li></ul>	To ensure strict coupling between components
The co	rrect answer is: To separate concerns between user interface and application logic
Question	7
Correct	
Mark 1.00	out of 1.00
What is	s the context where the broker pattern is most useful?
○ a.	In small, non-networked applications
0 b.	In systems with a single, monolithic application
О С.	In systems focused on data transformation pipelines
	In distributed systems with multiple independent services ✓
o u.	in distributed systems with multiple independent services v
The co	rrect answer is: In distributed systems with multiple independent services
Question & Correct	3
Mark 1.00	out of 100
Wark 1.00	
What is	s an intermediary that manages communication between servers and brokers?
	Layer manager
	Server-side proxy ✓
	Filter
( ) d.	Pipe

The correct answer is: Server-side proxy

Jump to...

6/24, 8:35	, 8:35 AM Quiz 3 (CS10): Attempt review		
Question 9	estion <b>9</b>		
Correct	rect		
Mark 1.00	k 1.00 out of 1.00		
What t	hat type of communication is typically associated with a REST connector?		
<ul><li>a.</li></ul>	a. Encrypted service discovery		
<ul><li>b.</li></ul>	b. Binary data streaming		
c.	<ul><li>c. Request/reply over HTTP ✓</li></ul>		
O d.	d. Asynchronous messaging		
The correct answer is: Request/reply over HTTP			
Question	estion 10		
Correct	rect		
Mark 1.00	k 1.00 out of 1.00		
In SOA, what is the purpose of a service provider?			
○ a.	a. To transform views into models		
O b.	○ b. To store runtime data in memory		
c.	<ul><li>○ c. To provide services through published interfaces ✓</li></ul>		
<ul><li>d.</li></ul>	d. To discover and invoke other services		
The correct answer is: To provide services through published interfaces			
<b>4</b> 000	■ Quiz 2		
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Quiz 3 (CS11) ▶