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Started on	Sunday, 27 October 2024, 7:37 PM
State	Finished
Completed on	Sunday, 27 October 2024, 7:47 PM
Time taken	9 mins 27 secs
Marks	22.00/25.00
Grade	4.40 out of 5.00 (88 %)
Question 1	
Correct	
Mark 1.00 out of 1.00	
20. In a Broker arch	nitecture, what is the role of URLs?
a. To authent	icate users
b. To store da	ata on the server
c. To define s	server capabilities

The correct answer is: To locate services and route requests

d. To locate services and route requests

Question 2
Correct
Mark 1.00 out of 1.00

What is the primary objective of using the Architecture Tradeoff Analysis Method (ATAM)?

- a. To write code and test functionalityb. To evaluate architectural trade-offs and quality attributes
- oc. To finalize software design
- od. To develop detailed design documents

The correct answer is: To evaluate architectural trade-offs and quality attributes

0/24, 10:03	03 AM Qui	z 2: Attempt review
Question 3	Question 3	
Correct		
Mark 1.00	0 out of 1.00	
J0774	4 Why is it important for architecture to support the ability to replace	components during testing?
a.	a. To ensure that external dependencies do not disrupt testing \checkmark	
b.	o. To allow for faster system development	
c.	c. To eliminate all integration tests	
O d.	d. To increase system complexity	
The co	correct answer is: To ensure that external dependencies do not disru	ot testing
Question 4	n 4	
Correct		
Mark 1.00	0 out of 1.00	
In the L	e Layers pattern, how must the usage among layers be structured?	
a.	a. Unidirectional 🗸	
b.	o. Circular	
c.	c. Bidirectional	
d.	d. Random	
The co	correct answer is: Unidirectional	
Question §	n 5	
Correct		
Mark 1.00	0 out of 1.00	
J0799	9 What is the role of an expert in the view fusion phase of architectur	re reconstruction?
○ a.	a. To design the system's interface	
O b.	o. To program new components	
О с.	c. To test system performance	

The correct answer is: To group elements into layers

 \odot d. To group elements into layers \checkmark

0/24, 10:03 AM	Quiz 2: Attempt review
Question 6	
Correct	
Mark 1.00 out of 1.00	
What is the primary purpose of the Pipes and Filters pattern?	
$_{\odot}$ a. To structure data processing in a system \checkmark	
b. To manage user input	
 c. To handle security concerns 	
 d. To optimize database queries 	
The correct answer is: To structure data processing in a system	
Question 7	
Incorrect	
Mark 0.00 out of 1.00	
Which component of the MVC pattern handles user input? A. Model	
a. Controller ×	
○ b. User Interface	
oc. View	
The correct answer is: User Interface	
The correct answer is. Oser interface	
Question 8	
Incorrect	
Mark 0.00 out of 1.00	
Which programming language introduced the MVC pattern? A. Java	
■ a. Smalltalk ×	
○ b. C++	
o. Python	

The correct answer is: Python

0/24, 10:03 AM	Quiz 2: Attempt review
Question 9	
Correct	
Mark 1.00 out of 1.00	
What does an application façade do in the business layer?	
a. Hides internal modules from clients 	
○ b. Validates user input	
c. Caches frequently accessed data	
Od. Manages database connections	
The correct answer is: Hides internal modules from clients	
Question 10	
Correct	
Mark 1.00 out of 1.00	
Which technique helps in mapping objects to database tables?	
a. Asynchronous communication	
○ b. Client-side caching	
c. Facade pattern	
d. Object-Relational Mapping 	
The correct answer is: Object-Relational Mapping	
Question 11	
Correct	
Mark 1.00 out of 1.00	
How do patterns provide a common vocabulary?	
a. By offering technical jargon	
b. By removing lengthy descriptions 	
c. By limiting communication	

The correct answer is: By removing lengthy descriptions

d. By enforcing strict coding standards

Question 12
Correct
Mark 1.00 out of 1.00
J0797 Which of the following information is gathered in architecture reconstruction to identify reusable components?
○ a. Database schemas
 b. User preferences and behavior
○ c. Classes, files, and global data used by objects ✓
 d. Performance test results
The correct answer is: Classes, files, and global data used by objects
Question 13
Incorrect Mark 0.00 part of 4.00
Mark 0.00 out of 1.00
Which participant in the ATAM captures raw scenarios and resolutions in electronic form?
○ a. Proceedings Scribe
○ b. Team Leader
○ c. Evaluation Leader

The correct answer is: Proceedings Scribe
Question 14
Correct
Mark 1.00 out of 1.00
Which technique allows updating parts of a web page without reloading the entire page?
○ a. Responsive design

o. Server-side caching
od. Client-side caching

The correct answer is: Asynchronous communication

Question 15
Correct
Mark 1.00 out of 1.00
J0765 What does an integration test plan focus on, according to architectural guidance?
a. The user interface experience
b. Module interactions and dependencies
oc. The scalability of the system
d. The performance of individual code blocks
The correct answer is: Module interactions and dependencies
Question 16
Correct
Mark 1.00 out of 1.00
In the Pipes and Filters pattern, what does a "filter" do?
a. It stores data temporarily.
b. It connects two databases.
⊚ c. It transforms data read on its input port(s). ✓
○ d. It serves as a data source.
The correct answer is: It transforms data read on its input port(s).
Question 17
Correct
Mark 1.00 out of 1.00
J0772 Why is the ability to replace components such as external systems or simulators useful in testing?
a. It increases the speed of system deployment.
 b. It minimizes architectural changes.
o. It reduces the cost of actual component testing.
\odot d. It allows the system to be tested without needing real external dependencies. \checkmark

The correct answer is: It allows the system to be tested without needing real external dependencies.

0/24, 10.0.	Quiz 2. Attempt teview
Question	8
Correct	
Mark 1.00	out of 1.00
J0719	What is the recommended way to notify multiple modules in an architecture?
Оа	Use direct database calls
	Use publish-subscribe pattern ✓
	Use synchronous method calls
	Notify them one by one
The	rrect answer is: Use publish-subscribe pattern
THE CO	rrect answer is. Ose publish-subscribe pattern
Question	9
Correct	
Mark 1.00	out of 1.00
In the o	context of the Pipes and Filters pattern, what is a potential drawback of using intermediate files?
○ a.	They enhance data flow.
b.	They can clutter directories and introduce errors. ✓
c.	They are essential for data transformation.
d.	They simplify data management.
The co	rrect answer is: They can clutter directories and introduce errors.
Question	20
Correct	
Mark 1.00	out of 1.00
J0714	What should be done when changes to code make parts of the architecture document obsolete?
a.	Re-write the entire document
O b.	Ignore the outdated parts
O c.	Delete the document
d.	Mark the outdated sections as 'No longer applicable' ✓

The correct answer is: Mark the outdated sections as 'No longer applicable'

0/24, 10:03	AM Quiz 2: Attempt review
Question	21
Correct	
Mark 1.00	out of 1.00
J0717 '	Which of the following should be done to maintain code and architecture consistency?
a.	Regularly update the architecture documentation 🗸
b.	Add new code without review
○ c.	Skip architecture reviews for small changes
○ d.	Use different programming languages for each layer
The co	rrect answer is: Regularly update the architecture documentation
Question	22
Correct	
Mark 1.00	out of 1.00
10. Hov	v does the Broker pattern improve application flexibility?
a.	By requiring all services to be static
b.	By allowing dynamic changes to services at runtime 🗸
C.	By enforcing a single programming language
d.	By limiting service access to a single client
The co	rrect answer is: By allowing dynamic changes to services at runtime
Question	23
Correct	
Mark 1.00	out of 1.00
J0794	The 'Vanish' system was used as a case study for which process?
a.	Architecture reconstruction ✓
) b.	System migration
O c.	Performance testing

The correct answer is: Architecture reconstruction

od. Database management

0/24, 10:03	AM Quiz 2: Attempt review
Question 2	24
Correct	
Mark 1.00	out of 1.00
What is	a common challenge associated with the MVC pattern in modern applications? A. Difficulty in managing user input
a.	Complexity of graphical representations 🗸
b.	Inefficiency in data access
O c.	Simplicity in design
The co	rrect answer is: Complexity of graphical representations
Question 2	25
Correct	
Mark 1.00	out of 1.00
Which .	ATAM participant is responsible for writing scenarios during the elicitation phase?
	Scenario Scribe ✓
	Evaluation Leader Process divine Conille
	Proceedings Scribe Questioner
O d.	Questioner
The co	rrect answer is: Scenario Scribe
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Quiz 3 (CS10) ▶