Status	Finished
Started	Tuesday, 15 October 2024, 8:22 PM
Completed	Tuesday, 15 October 2024, 8:24 PM
Duration	1 min 50 secs
Grade	10.00 out of 10.00 (100%)
Question 1	
Correct	

Suppose that we can only have the following architectures for a university management system, which is the best selection?

## Select one:

Mark 1.00 out of 1.00

- a. MVC: the university data as model, kernel functions as controllers and others are views.
- b. Client-server, each client is a computation station and the server is to provide and collect data: maximize the computation in the client.
- © c. Repository: data and kernel components can be in the repository and other sub-systems can be separated.
- d. Compiler: allow to compile data and computational results.

Correct

Marks for this submission: 1.00/1.00.

## Question 2

Correct

Mark 1.00 out of 1.00

Suppose that we can only have the following architectures for a child tracking app running on a mobile device, which is the best selection?

## Select one:

- a. MVC: Model-View-Controller.
- b. Repository: data and kernel components can be in the repository and other sub-systems can be separated.
- Client-server, each client is a computation station and the server is to provide and collect data: maximize the computation in the client.
- d. Compiler: allow to compile data and computational results.

Correct

Marks for this submission: 1.00/1.00.

Question 3 Correct
Mark 1.00 out of 1.00
To increase safety, which of the following is a good choice?
Select one:
<ul> <li>a. Localize safety-critical features in a small number of sub-system.</li> </ul>
○ b. Duplicate key components.
c. Use fine-grain, replaceable components.
<ul> <li>d. All the other answers are correct.</li> </ul>
Correct  Marks for this submission: 1.00/1.00.
Question 4
Correct  Mark 1.00 out of 1.00
Which of the following is correct about using architectural patterns?  Select one:
a. In a software, only one pattern can be used.
<ul><li>b. None of the other answers is correct.</li></ul>
o. Each pattern can only be implemented in some programming language.
Od. Only famous patterns can be used.
Correct) Marks for this submission: 1.00/1.00.

/24, 8:24 PM	PM Quiz	#07.1. Architecture - avanced: Attempt review   BK-LMS	
Question 5	5		
Correct			
Mark 1.00 d	0 out of 1.00		
To incre	crease security, which of the following is a goo	nd choice?	
Select	t one:		
<ul><li>a.</li></ul>	. Duplicate key components/data.		
	. Hide key components/data in layers.		
O c.	. Localizing the key components/data and r	ninimizing the interaction between those components.	
	<ul><li>d. All the other answers are correct.</li></ul>		
Correct Marks fo	for this submission: 1.00/1.00.		
Question 6	6		
Correct			
Mark 1.00 d	0 out of 1.00		
Which	n of the following architectural pattern can be	e used in general for information systems (multi-users, centralized data)?	
Select	t one:		
O a.	. Language processing system architecture: users, the Interpreter component is for exec	the Translator component is for checking syntax and semantic from the cuting verified commands from the users.	
0 b.	. Client-server architecture: clients are applic	cations and the server is only for data.	
C.	<ul> <li>Layer architecture: user interface, user com database layers.</li> </ul>	nmunications (and authentication), information retrieval, and system	
○ d.	. All the architectures in the other answers ar	e good to be used.	

Correct

Marks for this submission: 1.00/1.00.

Question <b>7</b>	
Correct	
Mark 1.00 out of 1.00	
To increase performance, which of the followi	ng is a good choice?
Select one:	
a. Hide kernel functions in deep layers.	
<ul><li>b. Localizing the kernel functions and mir</li></ul>	nimizing the interaction between components.
<ul> <li>c. All the other answers are correct.</li> </ul>	
<ul> <li>d. Duplicate kernel functions.</li> </ul>	
Correct	
Marks for this submission: 1.00/1.00.	
Question 8	
Correct	
Mark 1.00 out of 1.00	
	architectures for an online course registration system, which is the best
selection?	
Select one:	
Scient one.	
a. Client-server, students can install the so	oftware on their personal computer/laptop: maximize the computation in the
personal computer/laptop.	
	ration into the language that can be understood by the system.
c. All the other answers are correct.	, ,
	ows multi-platform and mutual registration (courses have limited number of
seats).	
•	
Correct	
Marks for this submission: 1 00/1 00	

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Question 9
Correct
Mark 1.00 out of 1.00
To increase maintainability, which of the following is a good choice?
Select one:
a. Duplicate key components.
<ul><li>b. Use fine-grain, replaceable components.</li></ul>
c. Localize safety-critical features in a small number of sub-system.
<ul> <li>d. All the other answers are correct.</li> </ul>
Correct) Marks for this submission: 1.00/1.00.
Question 10
Correct
Mark 1.00 out of 1.00
Suppose that we can only have the following architectures for a distributed computation system, which is the best selection?
Select one:
<ul> <li>a. Layer, the user-interface is on web: allows multi-platform and mutual data in computation.</li> </ul>
<ul> <li>b. All the other answers are correct.</li> </ul>
c. Compiler: allow to compile data and computational results.
<ul> <li>d. Client-server, each client is a computation station and the server is to provide and collect data: maximize the computation in the client.</li> </ul>
(Correct)

Marks for this submission: 1.00/1.00.