Status	Finished
Started	Saturday, 12 October 2024, 8:20 AM
Completed	Saturday, 12 October 2024, 8:30 AM
Duration 9 mins 50 secs	
Grade	10.00 out of 10.00 (100%)
Question 1	
Correct	
Mark 1.00 out of 1.00	

What is an architectural pattern?

Select one:

- a. Stylized description of any good example about designing a user user interface.
- b. Stylized description of any good example about implementing computer program.
- c. Stylized description of any good (architectural) design practice, which has been tried and tested in different
 environments.
- d. None of the other answers is correct.

The correct answer is: Stylized description of any good (architectural) design practice, which has been tried and tested in different environments.

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

In software architecture design, which of the following decomposition approaches can be used?

Select one:

- a. None of the other answers is correct.
- b. Maximum coupling (more inter-component connections/relations) and minimum cohesion (less inner-component connection relations).
- c. Minimum coupling (less inter-component connections/relations) and Maximum cohesion (more innercomponent connection relations).
- d. Balancing both inner-components and inter-components connections/relations (cohesion ~ coupling).

The correct answer is: Minimum coupling (less inter-component connections/relations) and Maximum cohesion (more inner-component connection relations).

Correct

Marks for this submission: 1.00/1.00.

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Question 3		
Correct		
Mark 1.00 c	out of 1.00	
Which o	of the following relationships between architectural views and UML diagrams are correct?	
Select o	one:	
	Logical: class diagram; process: sequence diagram; development: component diagram; physical: deployment. Logical: state-chart diagram; process: sequence diagram; development: component diagram; physical: deployment.	
	Logical: class diagram; process: activity diagram; development: component diagram; physical: deployment. All the other answers are correct.	
The cor	rect answer is: Logical: class diagram; process: activity diagram; development: component diagram; physical: ment.	
Correct) Marks fo	or this submission: 1.00/1.00.	
Question 4		
Correct		
Mark 1.00 c	out of 1.00	
	is INCORRECT about the 4+1 (view) models in software architecture.	
Select o	one:	
	Process view shows how, at runtime, the system is composed of interacting processes.	,
	Development or Implementation view is for presenting how the components/sub-systems are distributed around the network.	
	Use-case view shows the use-cases or scenarios.	
d.	Logical view shows the key abstractions in the system as objects and classes.	
	rect answer is: Development or Implementation view is for presenting how the components/sub-systems are ted around the network.	
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Marks for this submission: 1.00/1.00.

Question 5
Correct
Mark 1.00 out of 1.00
Which of the following is NOT acceptable in software architecture decision?
Select one:
a. Critical components should be deployed on the same machine rather than distributed around the network to
have better performance.
 b. Localize safety-critical features in a small number of sub-systems to increase safety.
c. Secure important components for security.
 d. Use important and non-replaceable components to make the system stable for increase the maintainability.
The correct answer is: Use important and non-replaceable components to make the system stable for increase the
maintainability.
Correct
Marks for this submission: 1.00/1.00.
Question 6
Correct
Mark 1.00 out of 1.00
Mark 1.00 001 01 1.00
Software architecture is decided based on
Selectione:

b. Functional and non-functional requirements.
c. Application types and equivalent architectures.
d. Pre-defined decision criteria
The correct appropriate All the other appropriate
The correct answer is: All the other answers are correct.
(Correct) Marks for this submission: 1 00/1 00
Warks for this stipmission, 1 (1)/1 (1)

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/24, 8:25 PW	Quiz#07.1. Architecture: Attempt review BK-LMS
Question 7 Correct	
Mark 1.00 out of	1.00
The 4+1 (vie	w) models in software architecture design are
Select one:	
O a. All ti	he other answers are correct.
b. Logi	ical, Process, Development, Physical, and Use-case or Scenario. ✓
Oc. Con	ntext, Interaction, Behavioral, State, and Data.
od. Stat	ic, Dynamic, Process, Implementation, and Deployment.
Correct) Marks for this	submission: 1.00/1.00.
Question 8	
Correct Mark 1.00 out of	100
Mark 1.00 001 01	1.00
	e following is acceptable in software architecture decision?
Select one:	
a. All th	he other answers are correct. 🗸
Ob. Mak	ring layers to hide key component/data to increase the Security.
O c. Loca	alizing the kernel functions and minimizing the interaction between components to increase the performance.
O d. Acc	epting duplicated components to increase the Availability
The correct	answer is: All the other answers are correct.

Marks for this submission: 1.00/1.00.

/24, 8:25 PM	Quiz#07.1. Architecture: Attempt review BK-LMS
Question 9	
Correct	
Mark 1.00 out of 1.00	
Software architectures	
Select one:	
a. Are low-level designs to program	
b. Are high-level/abstraction design	s. 🗸
 c. Model the connections between 	hardware/components.
\bigcirc d. All the other answers are correct.	
The correct answer is: Are high-level/abs	raction designs.
(Correct)	
Marks for this submission: 1.00/1.00.	
Question 10	
Correct	
Mark 1.00 out of 1.00	
Software architecture design is	
Select one:	
 a. An early stage in software design 	
b. All the other answers are correct.	
c. Often carried out in parallel with	
 d. Basically to identify major system 	components and their communications
The correct answer is: All the other answer	ers are correct.
(Correct)	
Marks for this submission: 1.00/1.00.	