<u>Dashboard</u> / <u>My courses</u> / <u>S1-24_MERGEDSA</u> / General / <u>CS16 Review Quiz</u>

Started on	Saturday, 23 November 2024, 2:11 PM
State	Finished
Completed on	Saturday, 23 November 2024, 2:25 PM
Time taken	13 mins 41 secs
Marks	14.00/25.00
Grade	2.80 out of 5.00 (56 %)
Question 1	
Correct	
Mark 1.00 out of 1.00	
What is the key fee	iture of the CBAM method?
What is the key lea	itule of the CDAM method:
a Direct imp	lementation of scenarios.
	of response levels.
	on of cost benefits.
d. Economic	evaluation of architectural designs. 🗸
The correct answe	r is: Economic evaluation of architectural designs.
The correct answe	Tis. Economic evaluation of architectural aesigns.
Question 2	
Correct	
Mark 1.00 out of 1.00	
What is the focus of	of Step 6, "Determine Utility through Interpolation," in CBAM?
a. Interpolating utility values for response levels.	
b. Calculating the expected cost of strategies.	
c. Assigning utilities to quality attributes.	
d. Collating a	nd refining scenarios.
The correct answe	r is: Interpolating utility values for response levels.

Question 3 Correct Mark 1.00 out of 1.00
 Who are the primary stakeholders in the CBAM process? a. All of the above. ✓ b. Business stakeholders and quality analysts. c. End-users and software developers. d. Architects and project managers.
The correct answer is: All of the above.
Question 4 Incorrect Mark 0.00 out of 1.00
 What is the primary goal of Step 7, "Calculate Total Benefit," in CBAM? a. Determining the total benefit of architectural strategies. b. Calculating the total cost of architectural strategies. × c. Assigning utilities to quality attribute response levels. d. Refining and prioritizing scenarios.
The correct answer is: Determining the total benefit of architectural strategies.
Question 5 Incorrect Mark 0.00 out of 1.00
In the context of CBAM, what is meant by "normalization"?
 a. Interpolating expected values. b. Assigning utilities to quality attributes. X c. Bringing all costs and benefits to a common scale. d. Refining scenarios to meet constraints.
The correct answer is: Bringing all costs and benefits to a common scale.

Question 6 Correct Mark 1.00 out of 1.00	
What does Step 8, "Choose Architectural Strategies," focus on in CBAM? a. Prioritizing scenarios based on cost. b. Assigning utility to scenarios. c. Refining architectural strategies. d. Choosing strategies based on VFC and constraints. ✓	
The correct answer is: Choosing strategies based on VFC and constraints.	
Question 7 Incorrect Mark 0.00 out of 1.00	
Which of the following is a key component of cost determination in CBAM? a. Interpolating utility values. b. Estimating resource consumption. c. Assigning weights to scenarios. × d. Refining architectural strategies.	
The correct answer is: Estimating resource consumption.	
Question 8 Incorrect Mark 0.00 out of 1.00	
What is the significance of determining benefit and normalization in CBAM?	
 a. To calculate the economic growth of a project. b. To assign costs to different scenarios. c. To ensure the architectural strategies are feasible. X d. To compare scenarios on a common scale. 	
The correct answer is: To compare scenarios on a common scale.	

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	25, 10. 10 Table
	Question 9
	Correct
Mark 1.00 out of 1.00	
	In the NASA ECS project, what was the main application of CBAM?
a. Improving hardware performance.	
	oc. Designing a new software architecture.
	Od. Refining the existing architecture.
	The correct answer is: Evaluating economic feasibility of scenarios.
	Question 10
	Incorrect Mark 0.00 out of 1.00
	Walk 6.50 dat of 1.50
	What is the practical application of utility curves in CBAM?
	a. To prioritize scenarios for refinement.
	b. To calculate the total cost of strategies.
	o. To assign utility values based on response levels.
	 d. To normalize scenarios for economic evaluation. X
	The correct answer is: To assign utility values based on response levels.
	Question 11
	Incorrect Mark 0.00 out of 1.00
	Hark 6.50 dat of 1.50
	What does VFC stand for in CBAM?
	a. Value Functional Curve. X
	o b. Variable Factor Computation.
	o. Value for Constraints.
	Od. Value for Cost.
	The correct answer is: Value for Cost.

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Question 12	
Question 12	
Incorrect	
Mark 0.00 out of 1.00	
What is the outcome of Step 5, "Develop Architectural Strat	regies " in CRAM?
What is the outcome of Step 3, Develop Architectural Strat	egies, iii obnivi:
 a. Collated and refined scenarios. 	
 b. Interpolated utility values for response levels. 	
	an lovele
c. Developed architectural strategies and their respon	se levels.
d. A prioritized list of scenarios. X	
The correct answer is: Developed architectural strategies ar	nd their response levels.
5	······································
Question 13	
Correct	
Mark 1.00 out of 1.00	
Thank 1100 car of 1100	
What is the feeue of Stan 2 "Driggitize Seeperice" in the CB	AM process?
What is the focus of Step 3, "Prioritize Scenarios," in the CB	AM process:
 a. Determining utility through interpolation. 	
 b. Refining scenarios for better clarity. 	
c. Calculating the total cost of strategies.	
d. Prioritizing scenarios based on importance.	
The correct answer is: Prioritizing scenarios based on impor-	rtance.
Question 14	
Correct	
Mark 1.00 out of 1.00	
What is the purpose of interpolating utility values in CBAM?	
a. To determine the expected benefits.	
b. To calculate costs for response levels.	
 c. To normalize the utility across scenarios. 	
d. To evaluate quality attribute response levels.	
a. To evaluate quality attribute response levels.	
The correct answer is: To evaluate quality attribute response	e levels.

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Question 15	
Correct	
Mark 1.00 out of 1.00	
Mark 1.00 out of 1.00	
Why are scenarios collated in Step 1, "Collate Scenarios," of	CBAM?
a. To create a prioritized list.	
 b. To gather all relevant considerations for evaluation. 	
c. To refine them for accuracy.	
d. To determine their cost constraints.	
d. To determine their cost constraints.	
The correct answer is: To gather all relevant considerations for	or evaluation.
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Question 16	
Incorrect	
Mark 0.00 out of 1.00	
man side sates nos	
Which textbook is referenced for the CBAM method?	
a. Software Engineering in Practice. X	
b. Software Architecture in Practice – Third Ed.	
c. Software Development Strategies.	
od. Principles of Software Design.	
, , ,	
The correct answer is: Software Architecture in Practice – Th	ird Ed.
Question 17	
Correct	
Mark 1.00 out of 1.00	
What does a utility response	
What does a utility-response curve represent?	
The relationship between smaller attails the said state.	
 a. The relationship between quality attributes and utility 	y. ∨
b. The economic growth of a project.	
o. The architectural design process.	
d. The cost incurred over time.	
The correct answer is: The relationship between quality attrib	outes and utility.

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	Question 18 Incorrect
	Mark 0.00 out of 1.00
	What is the first step in the CBAM process, "Collate Scenarios"? a. Assigning utility values. ×
	b. Collating scenarios.c. Prioritizing scenarios.d. Choosing architectural strategies.
	The correct answer is: Collating scenarios.
	Question 19 Correct
	Mark 1.00 out of 1.00
	What is the primary purpose of Cost Benefit Analysis Method (CBAM)?
	 a. To ensure cost minimization in software development. b. To evaluate the economic feasibility of different scenarios. ✓
	c. To create architectural designs for systems.
	 d. To determine the utility-response of software tools.
	The correct answer is: To evaluate the economic feasibility of different scenarios.
	Question 20 Incorrect Mark 0.00 out of 1.00
	Which step, "Develop Architectural Strategies," involves creating strategies in the CBAM process?
	a. Step 7
	b. Step 8 ×c. Step 5
	d. Step 4
	The correct answer is: Step 5

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Question 21	
Correct	
Mark 1.00 out of 1.00	
What is the importance of Step 4, "Assign Utility," in the CBA	AM process?
 a. Calculating the total benefit of strategies. 	
b. Collating scenarios.	
c. Assigning utility values to quality attributes.	
 d. Refining architectural strategies. 	
The second of the Assessment will be seen as the second of	l
The correct answer is: Assigning utility values to quality attri	butes.
Ouestion 22	
Correct	
Mark 1.00 out of 1.00	
Walk 1.00 out of 1.00	
What is the purpose of weighting in economic evaluations?	
 a. To determine the importance of different scenarios. 	✓
 b. To calculate the total economic value. 	
 c. To refine the architecture design. 	
 d. To normalize costs and benefits. 	
The correct answer is: To determine the importance of differ	rent scenarios.
Question 23	
Correct	
Mark 1.00 out of 1.00	
Walk 1.00 out of 1.00	
What was the key benefit of using CBAM in the NASA ECS p	roject?
 a. Better prioritization of quality attributes. 	
b. Improved cost efficiency.	
\odot c. All of the above. \checkmark	
O d. Enhanced economic evaluation of scenarios.	
The correct answer is: All of the above	

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25, 10:46 AM	CS16 Review Quiz: Attempt review
Question 24 Incorrect Mark 0.00 out of 1.00	
What is the result of applying CBAM to a project?	
 a. A set of quality attribute response levels. 	
b. A list of scenarios and their utilities.	
 c. An optimized set of architectural strategies. 	
d. A cost-minimization strategy for software design. X	
The correct answer is: An optimized set of architectural strate	gies.
Question 25	
Correct	
Mark 1.00 out of 1.00	
What is an example of a quality attribute in CBAM?	
○ a. Cost	
b. Strategy	
c. Scenario	
■ d. Performance ✓	
The correct answer is: Performance	
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◆ CS15 review Quiz	
Jump to	\$

Assignment 1 ▶