

Course > High Le... > Quiz: H... > Quiz: H...

Quiz: High Level Design

Question 1

1/1 point (graded)

Which of the following challenges is more likely to arise with a Bottom Up Composition approach to Abstraction, and is less likely to arise with a Top Down Decomposition approach?

D

- making high level design decisions first can cause low level inconsistencies later on
- making low level implementation decisions first can cause high level inconsistencies later on
- the same challenges will be faced no matter what approach is taken

Submit

You have used 1 of 1 attempt

✓ Correct (1/1 point)

Question 2

1/1 point (graded)

What is the main difference between Information Hiding and Encapsulation?

 information hiding: only applies to interfaces; encapsulation: only applies to concrete classes



 information hiding: separating implementation from specification; encapsulation: separating what varies from what stays the same information hiding: separating what varies from what stays the same; encapsulation: separating implementation from specification ✓ Submit You have used 1 of 1 attempt Correct (1/1 point) Question 3 1/1 point (graded) A high quality Technical Representation should: Select all that apply. be ambiguous be unambiguous be accurate be imprecise provide equal value for all stakeholders facilitate concrete technical discussions between stakeholders be the only specification for a system 		interfaces
encapsulation: separating implementation from specification ✔ Submit You have used 1 of 1 attempt ✔ Correct (1/1 point) Question 3 1/1 point (graded) A high quality Technical Representation should: Select all that apply. ■ be ambiguous ✔ be unambiguous ✔ be accurate ■ be imprecise ■ provide equal value for all stakeholders ✔ facilitate concrete technical discussions between stakeholders	0	
✓ Correct (1/1 point) Question 3 1/1 point (graded) A high quality Technical Representation should: Select all that apply. ■ be ambiguous ■ be unambiguous ■ be accurate ■ be imprecise ■ provide equal value for all stakeholders ■ facilitate concrete technical discussions between stakeholders	•	- · · · · · · · · · · · · · · · · · · ·
Question 3 1/1 point (graded) A high quality Technical Representation should: Select all that apply. be ambiguous be unambiguous be accurate be imprecise provide equal value for all stakeholders facilitate concrete technical discussions between stakeholders	Sı	ubmit You have used 1 of 1 attempt
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 be accurate be imprecise provide equal value for all stakeholders facilitate concrete technical discussions between stakeholders 	۸ hiو	gh quality Technical Representation should:
 be imprecise provide equal value for all stakeholders facilitate concrete technical discussions between stakeholders 		
 □ provide equal value for all stakeholders ✓ facilitate concrete technical discussions between stakeholders 	•	be ambiguous
facilitate concrete technical discussions between stakeholders		be ambiguous be unambiguous
		be ambiguous be unambiguous be accurate
□ be the only specification for a system		be ambiguous be unambiguous be accurate be imprecise
		be ambiguous be unambiguous be accurate be imprecise provide equal value for all stakeholders



Submit

You have used 1 of 1 attempt

✓ Correct (1/1 point)

Question 4

1/1 point (graded)

Which of the following techniques help contribute to better API usability? Select all that apply.

- exposing internal details of your API
- having a large API that does many things
- having well-named methods in your API
- updating method names in your API frequently
- providing examples of how to use methods in your API



Submit

You have used 1 of 1 attempt

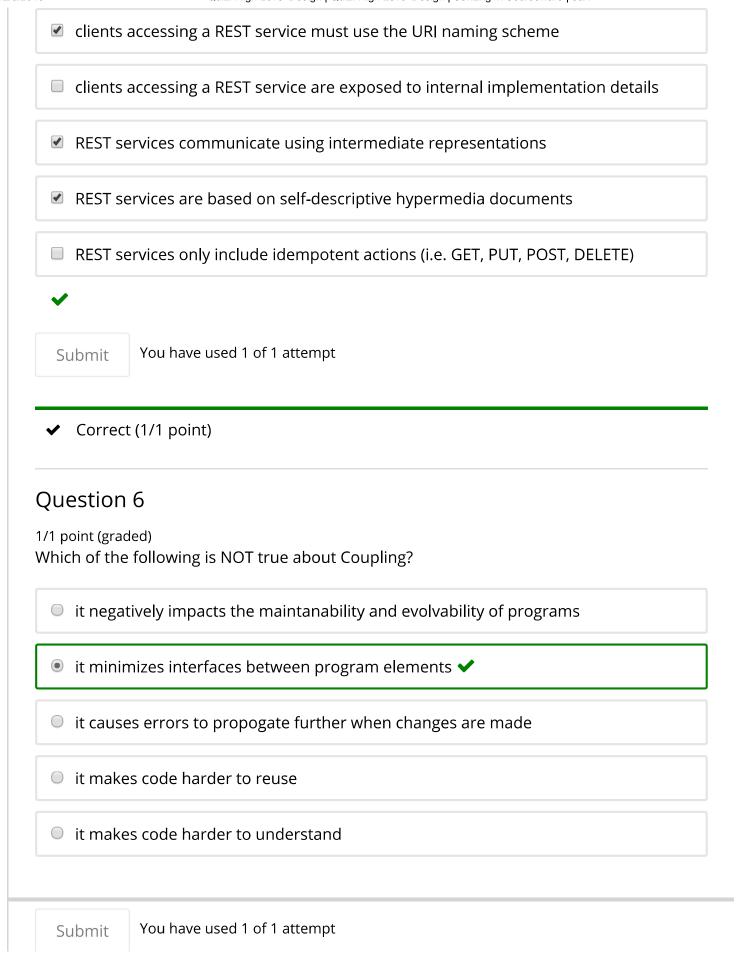
Correct (1/1 point)

Question 5

1/1 point (graded)

Which of the following are considered high level architectural constraints of REST based svstems?

Select all that apply.



Correct (1/1 point)

Question 7

1/1 point (graded)

Which of the following is NOT true about Cohesion?

- it measures how well program elements belong together
- it encourages a larger number of smaller classes
- it helps to isolate changes
- it impedes software maintenance and evolution due to a larger number of classes

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You have used 1 of 1 attempt

✓ Correct (1/1 point)

Question 8

1/1 point (graded)

Why is copying and pasting code problematic? Please select all that apply.

- because it is an example of needless complexity
- because any errors will be propogated to all clones
- because changing one clone means changing all clones

it isn't actually pro	oblematic, because it is done in practice
Submit You have	used 1 of 1 attempt
✓ Correct (1/1 point)
Question 9	
1/1 point (graded) Which of the following a principle? Select all that apply.	are CORRECT definitions of the corresponding SOLID design
Open/Closed: ope	n to modification, closed to extension
✓ Open/Closed: ope	n to extension, closed to modification
✓ Interface Segregat	tion: clients should not depend on unnecessary interfaces
☐ Interface Segregat	tion: interfaces should do one thing, and do it well
Dependency Invertigence	rsion: clients should depend on implementations, not abstractions
✓ Dependency Inver	rsion: clients should depend on abstractions, not implementations
✓	
Submit You have	used 1 of 1 attempt
✓ Correct (1/1 point)
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