## Congratulations! You passed!

Grade Latest Submission received 100% Grade 100%

**To pass** 75% or higher

Go to next item

1.	Identify the attribute refinements of a system's performance. Select the 2 correct answers.	1/1 point
	maintenance downtime  ✓ throughput	
	<ul> <li>Correct</li> <li>Correct! Throughput is the amount of output produced over a period of time.</li> </ul>	
	<b>☑</b> latency	
	○ Correct     Correct! Latency is the time it takes to produce an output after receiving an input.	
	simplicity  boot time	
2.	Guidelines such as "the system should be easy and intuitive to learn", "the system should minimize user errors," and "the system should make it easy for users to complete tasks" fall under which category of quality attribute?	1/1 point
	O complexity	
	astonishment     usability	
	intuitiveness	
	<ul> <li>Correct</li> <li>Correct! The usability is how easy it is for an end user to interact with the system.</li> </ul>	
3.	Calum is leading a team of developers and would like to promote conceptual integrity. Which of these is <b>NOT</b> a way he could promote conceptual integrity:	1/1 point
	Establish conventions, such as structural rules or naming conventions	
	Split the development team into subteams for each component of the architecture	
	On Do regular code reviews with the development team Adopt good documentation practices	
	<ul> <li>Correct         Correct! Although any large project will have subteams, this is a factor that tends to work against conceptual integrity.     </li> </ul>	
4.	Have a look at this diagram of a quality attribute scenario:	1/1 point
	Response: Inform the customer that the service is busy  Response  [Q4]: Request to purchase concert tickets  [Q5]: Web service  Environment: Maximum process limit	
	reached	

 $\cline{\bf [Q4]}$  is a condition that will cause the system to respond. What is this called?

errorperturbation



These teams share one large room and are in constant contact. According to Conway's Law, what could happen if Maddie does not physically separate the two subteams?	_,
The component interfaces will not be reusable	
They will not leave sufficient comments, thinking that the other team already knows the relevant details	
The components they produce will be very tightly coupled	
Their components will repeat code unnecessarily	
Correct Correct! Conway's Law says that software tends to mirror real world organization, so a team in constant contact will produce more tightly coupled software.	
10. This is one of the styles of implementing variations. What is it called?	1 / 1 point
< <component>&gt;</component>	
Var 1 Var 2	
adaptation	
replacement	
extension	
Composition	
Correct Correct! Adaptations change certain parts of the component.	
11. Which of those is NOT a truited advantage of developing a grand with line?	
11. Which of these is <b>NOT</b> a typical advantage of developing a product line?	1/1 point
O overall cost reduction	
greatly reduced up-front development	
reducing time-to-market of later products	
onsistency over the product line	

 ${\it Correct!}\ {\it This is NOT an advantage of a product line, which typically needs more up-front development.}$ 

 $\bigcirc$  Correct

that will be handled by each team. There is one product in the line which has a backlight for reading during the night. In the development process, where would you categorize this feature?

Product-Specific
One-Off
Commonality
Variation

Correct
Correct! Product-specific components are developed by the application engineering team, because they only apply to one product.

12. Andy is planning the development of a product line of eBook readers and he has to categorize the components

1/1 point