after releasing the softwareconceptual designtechnical design

GRADE 100%

Module 1 Review							
	OO ⁰	Submission grade $\%$					
1.		ich of these are desirable characteristics of a software design? Choose the three correct answers. maintainability	1/1 point				
		Correct Correct! Code should be maintainable, which means the code can be modified or extended easily. Contact the code can be modified or extended easily.					
		 Correct Correct Correct We strive to make code flexible, which is to say that it can be adapted for new requirements 					
	✓	tight coupling reusability					
		Correct Correct! Software designers hate to repeat themselves. If code is reusable, then there is less overall coding to do.					
2.		ntify two outcomes of the design process. Choose the two correct answers. technical design	1/1 point				
		✓ Correct Correct! Technical design gets even closer to the actual implementation.					
		design plan code implementation conceptual design					
		 Correct Correct Conceptual design covers the early part of design, where the problem is translated into a high-level solution. 					
3.		u are writing out a CRC card for a bank machine component. Under which section should you put "Track Cash maining."	1/1 point				
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		Correct Correct! One of the responsibilities of this bank machine is to track how much money it has left.					
4.		ich two of these are likely to be a part of conceptual design? Methods Mockups	(1/1 point				
	~	✓ Correct Correct! Mockups help the designers decide on relationships between components. CRC Cards					
		Correct Correct! CRC cards are used to get a sense of the classes, components, etc. that your design may have.					
		Abstract data types					
5.	Wh	en during the design process are you likely to produce CRC cards the most?	1/1 point				

	customer meetings	
	Correct Correct CRC cards are most often created and used in conceptual design, especially when the team is almost ready to transition into technical design.	
6. V	which of the following are examples of non-functional requirements? Choose the three correct answers.	1/1 point
	purpose	
	availability	
	Correct Correct! That the functions of the system are available for use is as important as the functions themselves. Remember that the function is the system's reason for being.	
	2 security	
	✓ Correct Correct. The security of a system and how it protects data may be as important as its function. Remember that the function is the system's reason for being.	
	performance	
	 Correct Correct. The speed and responsiveness of a system is often as important as what its actual function is! Remember that the function is the system's reason for being. 	
7. S	elect the three categories of objects generally present in object-oriented software.	1/1 point
] tool	
	a entity	
	Correct Correct! Entity objects are the backbone of the system, and often correspond to real life objects.	
	2 boundary	
	✓ Correct Correct Boundary objects typically interface with another system.	
	2 control	
	✓ Correct Correct Control objects manage the interactions of other objects.	
	n object which is responsible for showing data to the user could be considered which category of object?	1/1 point
	entity	
	representation bloundary	
	Correct Correct! This object interacts with another "system" (the user), so it is considered a boundary object.	
	ou are planning a Professor class as part of your software design. Which of these will you consider a collaborator? hoose the two correct answers.	1/1 point
	Teach Course	
	2 Course	
	Correct Correct Typically the Professor will have to teach a course, so a course object is likely to be a collaborator.	
] Track Employment Status	
	3 Student	
	✓ Correct Correct! The student and professor classes will likely be collaborators.	
	/hat is a requirement of this form called? "As a I want to so that".	1/1 point
() conceptual mockup) entity abstraction	
(
	key concept user story	

11. You are a programmer creating software for a bank machine system. Which section of a CRC card for the bank machine component will the "User" go into?	point		
Object			
Class			
Collaborator			
Responsibility			
Correct Correct! Users collaborate with the bank machine component.			
12. During conceptual design, you will talk about (Choose the three correct answers): w mockups	point		
Correct Correct. Mockups are important for customer communication and to start to think about the architecture.			
technical diagrams			
✓ tradeoffs			
Correct Correct. Every design decision involves trade-offs, even in the early stages of design.			
requirements			
Correct Correct Customer requirements of what the system should be and do are the start for all discussions of the design.			