1.	Which of these are desirable characteristics of a software design? Choose the three correct answers.	1 / 1 point
	tight coupling maintainability	
	 Correct Correct! Code should be maintainable, which means the code can be modified or extended easily. 	
	reusability	
	 Correct Correct! Software designers hate to repeat themselves. If code is reusable, then there is less overall coding to do. 	
	flexible	
	Correct Correct! We strive to make code flexible, which is to say that it can be adapted for new requirements	
2.		1 / 1 point
	Identify two outcomes of the design process. Choose the two correct answers.	
	code implementation	
	design plan	
	technical design	
	 Correct Correct! Technical design gets even closer to the actual implementation. 	
	conceptual design	
	 Correct Correct! Conceptual design covers the early part of design, where the problem is translated into a high-level solution. 	

3.	You are writing out a CRC card for a bank machine component. Under which section should you put "Track Cash Remaining."	1 / 1 point
	Responsibility Collaborator Class Risk Correct Correct! One of the responsibilities of this bank machine is to track how much money it has left.	
4.	Which two of these are likely to be a part of conceptual design? CRC Cards	1 / 1 point
	 Correct Correct! CRC cards are used to get a sense of the classes, components, etc. that your design may have. Mockups Correct Correct Correct! Mockups help the designers decide on relationships between components. 	
	Methods Abstract data types	
5.	When during the design process are you likely to produce CRC cards the most?	1 / 1 point
	after releasing the software technical design conceptual design 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.	Which of the following are examples of non-functional requirements? Choose the three correct answers.	1 / 1 point
	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.	
	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.	
	purpose 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.		1 / 1 point
	Select the three categories of objects generally present in object-oriented software.	
	entity	
	 Correct Correct! Entity objects are the backbone of the system, and often correspond to real life objects. 	
	tool control	
	Correct Control objects manage the interactions of other objects.	
	boundary	

	Correct Correct! Boundary objects typically interface with another system.	
8.		1 / 1 point
	An object which is responsible for showing data to the user could be considered which category of object?	
	entity representation	
	control boundary	
	 Correct Correct! This object interacts with another "system" (the user), so it is considered a boundary object. 	
9.	You are planning a Professor class as part of your software design. Which of these will you consider a collaborator ? Choose the two correct answers.	1 / 1 point
	Track Employment Status	
	Course	
	 Correct Correct! Typically the Professor will have to teach a course, so a course object is likely to be a collaborator. 	
	Student	
	Correct Correct! The student and professor classes will likely be collaborators.	
	Teach Course	
10.	. What is a requirement of this form called? "As a, I want to, so that". ourself user story	1 / 1 point
	entity abstraction	

conceptual mockup key concept	
Correct Correct! User stories help you to identify the functional requirements of the system.	
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?	1 / 1 point
Collaborator Class Object Responsibility Correct Correct! Users collaborate with the bank machine component.	
12. During conceptual design, you will talk about (Choose the three correct answers):	1 / 1 point
 requirements Correct Correct! Customer requirements of what the system should be and do are the start for all discussions of the design. tradeoffs 	
 Correct Correct. Every design decision involves trade-offs, even in the early stages of design. 	
technical diagrams mockups	
 Correct Correct. Mockups are important for customer communication and to start to think about the architecture. 	