Which of the following best describes software architecture?      It describes how the application should be coded.	1 point
It represents the earliest design decisions.	
The choice of technology stack drives the software architecture.	
It captures implementation details.	
2.Which of the following are artifacts that result from designing the software architecture?  Software requirements specification (SRS)	1 point
Test cases	
O Administrator user guide	
UML diagrams	
3.Components in a well-structured design should be  tightly cohesive	1 point
ightly coupled	
O loosely constrained	
O loosely cohesive	
4. Which of the following is an advantage of using UML diagrams when designing software architecture?	1 point
They describe which parameters should be passed when instantiating an object.	
They explain which methods should be included when coding an object.	
They serve to bring new team members up to speed quickly.	
They all use JavaScript.	
5. Which of the following best describes encapsulation?	1 point
Bundling data and methods to hide an internal state, so a component's specific implementation is not exposed.	
A component should be easily replaced with another component.	
O Designing a component so it operates in different environments.	
A component's design so it doesn't have dependencies on other components.	
6.Which of the following best describes a service?	1 point
O It is a type of object.	
A unit of functionality that focuses on a solution to a business need, is deployed independently, and is reused by multiple systems.	
A service defines, composes, and implements loosely coupled independent components so they work together to create an application.	
A focus on the decomposition of a design into logical components.	
7. Which statement is true regarding a 2-tier architecture?	1 point

Router