Assignment 8

The due date for submitting this assignment has passed. As per our practice you have not submitted this assignment.

Week 6: Assignment 8

1. Which of the following best characterizes a sequence diagram? 1 point
   a) A call graph illustrating all possible sequence of calls between call method signatures
   b) A sequence illustrating a typical sequence of calls between object methods
   c) A class diagram illustrating relationships between classes and objects over time
   d) A true illustrating inheritance relationship between classes

   ns. we return to incorrect.
   Acceptable Answers:
   a) A call graph illustrating all possible sequence of calls between call method signatures

2. Which of the following UML diagrams should you use when allocating use-case behavior to classes? 1 point
   a) an iteration and communication diagram
   b) a case class and activity diagram
   c) a sequence and activity diagram
   d) an iteration and composite structure diagram

   ns. we return to incorrect.
   Acceptable Answers:
   a) an iteration and communication diagram

3. Consider the following scenarios: "A square is a rectangle." From an analysis of the sentences, identify the relation between the two classes Square and Rectangle that can be inferred from the sentence. 1 point
   a) inheritance
   b) association
   c) aggregation
   d) composition

   ns. we return to incorrect.
   Acceptable Answers:
   b) association

4. Consider the following sentences: "All poisons are toxic." From an analysis of the sentences, identify the relation between the two classes Poisons and Things that can be inferred from the sentence. 1 point
   a) inheritance
   b) association
   c) aggregation
   d) composition

   ns. we return to incorrect.
   Acceptable Answers:
   b) association

5. Consider the following scenarios: "Students live in classes" From an analysis of the sentences, identify the relation between the two classes Student and Student that can be inferred from the sentence. 1 point
   a) inheritance
   b) association
   c) aggregation
   d) composition

   ns. we return to incorrect.
   Acceptable Answers:
   b) association

6. Consider the following scenarios: "A computer has a monitor." From an analysis of the sentences, identify the relation between the two classes Computer and Monitor that can be inferred from the sentence. 1 point
   a) association
   b) aggregation
   c) composition
   d) dependency

   ns. we return to incorrect.
   Acceptable Answers:
   a) association

7. Which of the following can be used to create a sequence diagram? 2 point
   a) It is used to model the behavior of a single object when many events are executed
   b) It is used to model the behavior of a single object when only a single event is executed
   c) It is used to model the behavior of a single object when only many objects are executed
   d) It is used to model the behavior of a single object when many events are executed

   ns. we return to incorrect.
   Acceptable Answers:
   b) It is used to model the behavior of a single object when only a single event is executed

8. Which of the following can be used to create a sequence diagram? 2 point
   a) It models object state behavior
   b) Determination of attributes of a class
   c) Determination of inheritance among classes
   d) Responsibility assignment to classes

   ns. we return to incorrect.
   Acceptable Answers:
   c) Determination of inheritance among classes