**CS 4321 - Video Lecture Expectations**

**Video P2L2 – OO Software Engineering & UML**

These questions pertain to clips 1-27 only. Clips 28-30 cover sequence and state diagrams which are important also. I just haven’t developed the questions for them yet.

1. What is one of the main advantages to information hiding?

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1. List 3 advantages to object oriented code?

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1. In OO analysis, we define \_\_\_\_\_\_\_\_\_\_\_\_\_\_ first, and later we define \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. When reading a description of a problems, the nouns are usually \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the verbs are usually\_\_\_\_\_\_\_\_. Note: the author says adjectives are usually attributes. I think of nouns as both the classes AND the attributes.
3. A \_\_\_\_\_\_\_ diagram is a static, structural view of a system
4. List the 4 types of relationships between classes (the other only mentions 3, so I’ve provided the 4th)

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|  |  | 4. | (Interface) Implementation |

1. An association is also called a \_\_\_\_\_\_\_\_\_\_\_ relationship
2. A part-whole relationship between two classes is called an \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. A generalization relationship is also called an \_\_\_\_\_\_\_\_\_\_\_\_ relationship
4. Define the term *component*?

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1. In a component diagram, the lollipop symbol represents a \_\_\_\_\_\_\_\_\_\_\_\_\_ interface and the socket symbol represents a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ interface.
2. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ diagram shows the physical allocation of components to computational units.
3. In a deployment diagram the nodes represent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. A deployment diagram shows which \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are deployed on which nodes.
5. What is a use case?

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1. The term “use case” is synonymous with what 3 other terms?

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1. The behavior of a use case is specified by describing its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from the point of view of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. What 4 things are described when documenting a use case?

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1. List 5 roles that use cases play in software development.

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1. List 5 use case creation tips

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