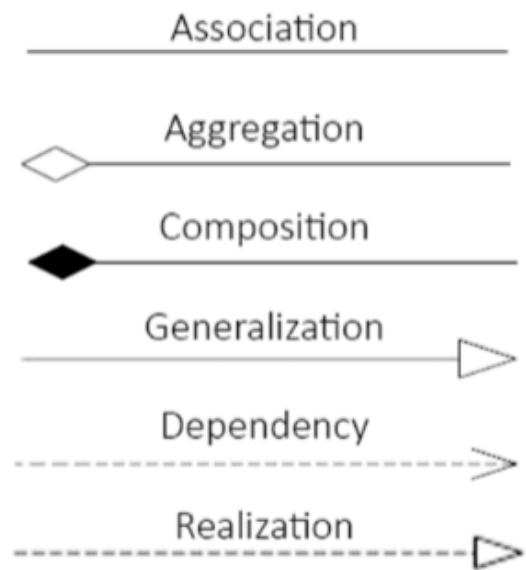


UML Class Diagrams (con't)

In-Class Problem

1. In your own words, describe each of these relationships:
 - a. Association
 - b. Aggregation
 - c. Composition
 - d. Generalization
 - e. Dependency
 - f. Realization
2. What is the difference between a Class Diagram and an Object Diagram?



1. .

1. Association: Is a general link between classes that show they interact in some way
 2. Aggregation: Is a relationship that shows that one class "has" another class, but the parts can exist independent from the whole class
 3. Composition: A stronger aggregation where the parts cannot exist independently of the whole
 4. Generalization: Shows a relationship between two things where the generalization is a more simple form of another class
 5. Dependency: When a class temporarily uses another and it's class is dependent on the actions of the other
 6. Realization: Shows that a class inherits the other, dog realizes animal
2. A class diagram describes the blueprint of the system and shows each class, their attributes and operations, and not specific instances. An object diagram shows the system at a certain time in a specific instance and shows actual objects being made from those classes.