

## Key

Inheritance : Relationship where a subclass inherits from a base class

Aggregation : Multiple instantiations of a class (A) create an instance of another class (B). Aggregation Implies a relationship where class A can exist independently of B.

Composition : A single instantiation of a class (A) is part of the another class (B) and this A class can't exist independently of the B class. A has no purpose or meaning in this system without B.

Association : Relationship where class A uses and contains an instance of class B but B doesn't know about or contain any instances of class A. A unidirectional association, in particular, implies that an object has another object as a field, property, or attribute.

Dependency : A form of association where the attributes and operations of one class (user) depend on another (supplier). Modifications of the supplier require a modification to the user. This relationship also indicates that a class (user) uses another object (supplier) as a parameter or return type.

