UML

Class Diagram

1. Used to model the type of objects and relationships among them
2. One of the most commonly used UML diagram
3. Drawn by developers as a part of design activity



**Classifier**

An abstract metaclass whose concrete subclasses classify different types of values

* Concrete Class
* Abstract Class
* Interface
* Enumerations
* Generic Class

**Feature**

Structural and behavioral characteristics of a classifier

* Structural

Properties or attributes

* Behavioral

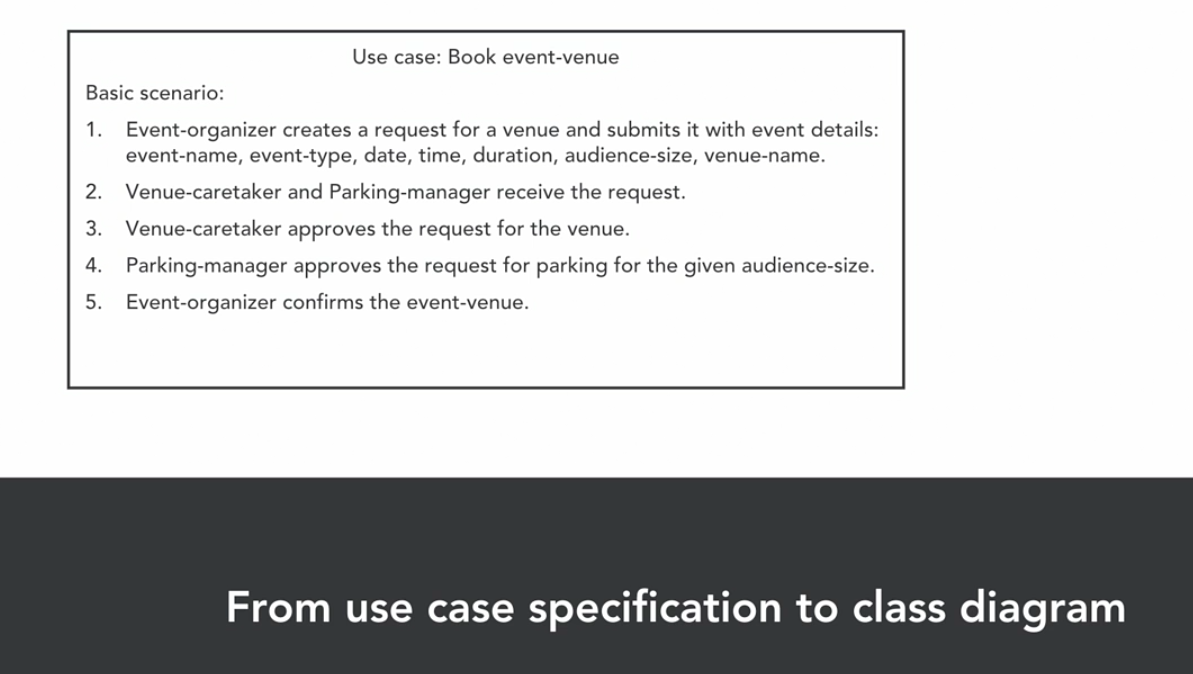
Operations or methods

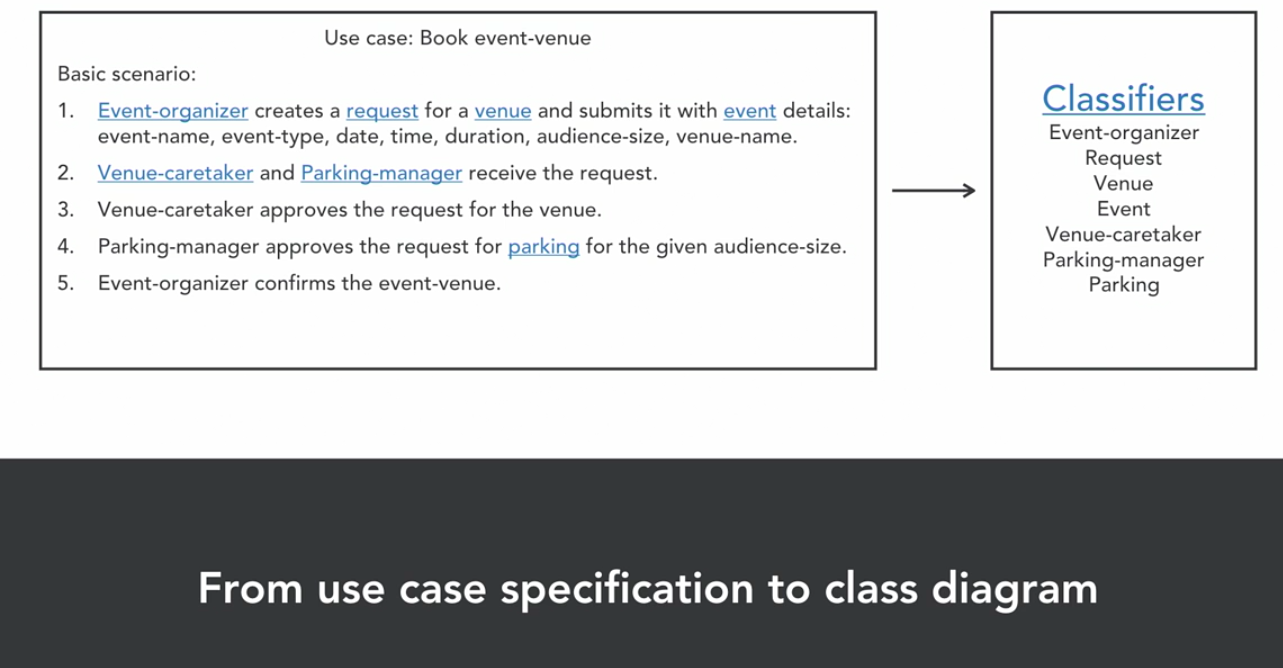
**Relationship**

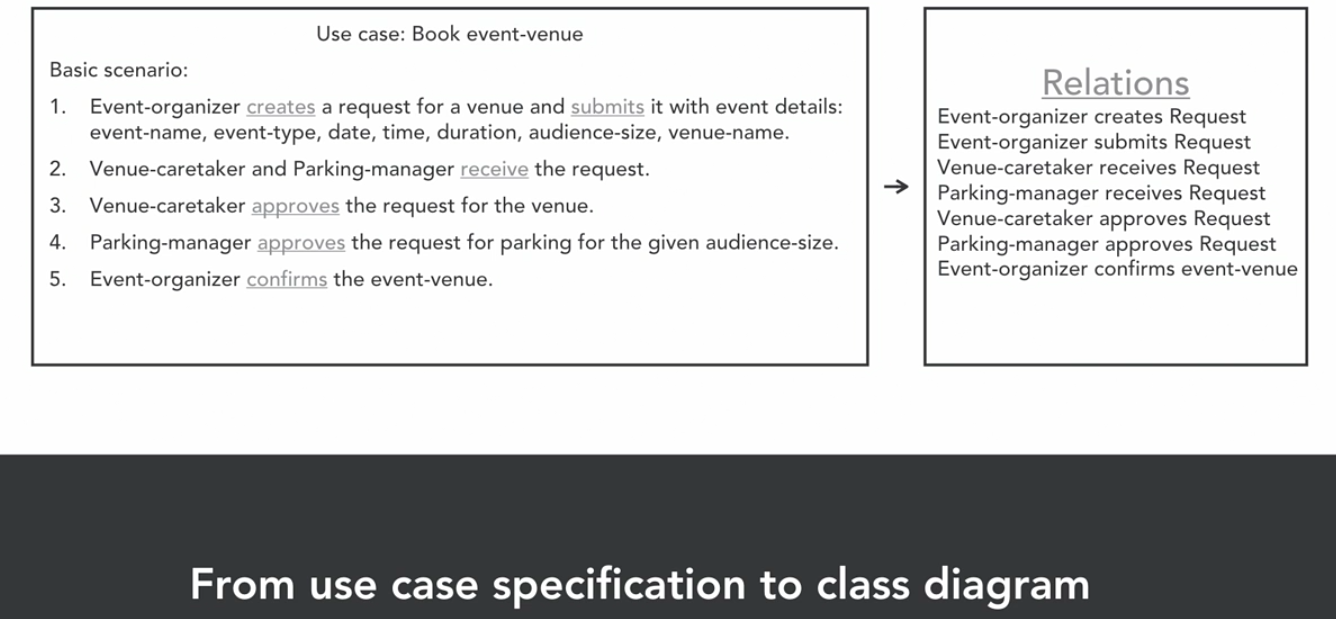
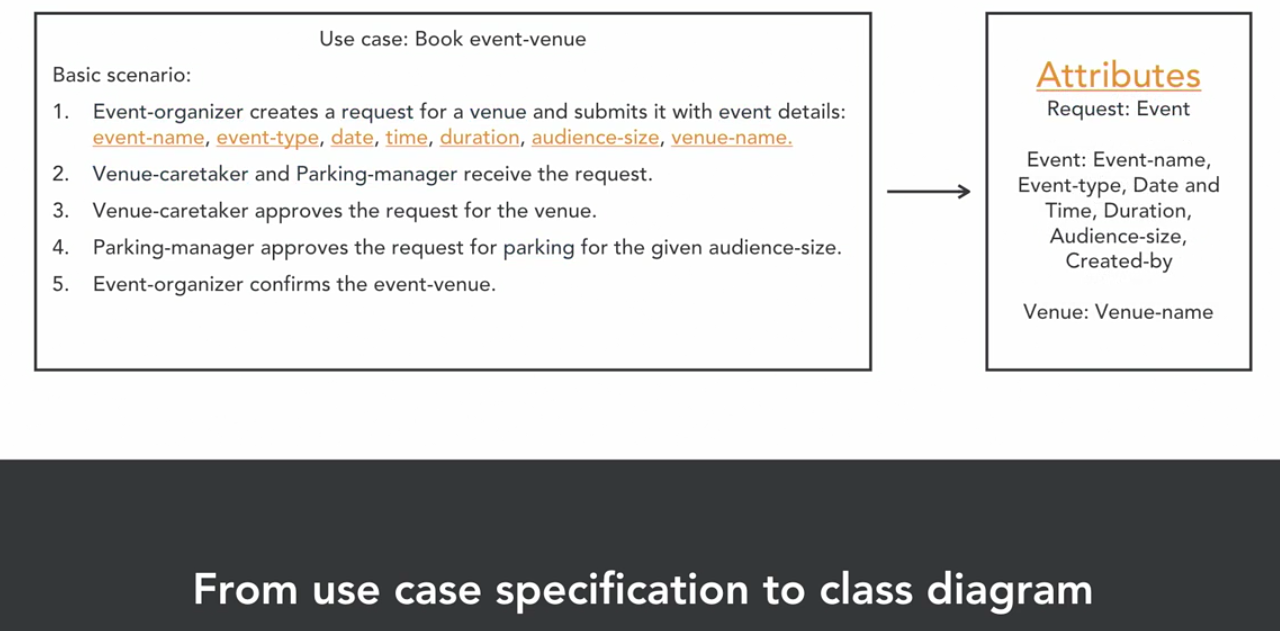
Relationship among classifiers

* Association
* Generalization
* Dependency

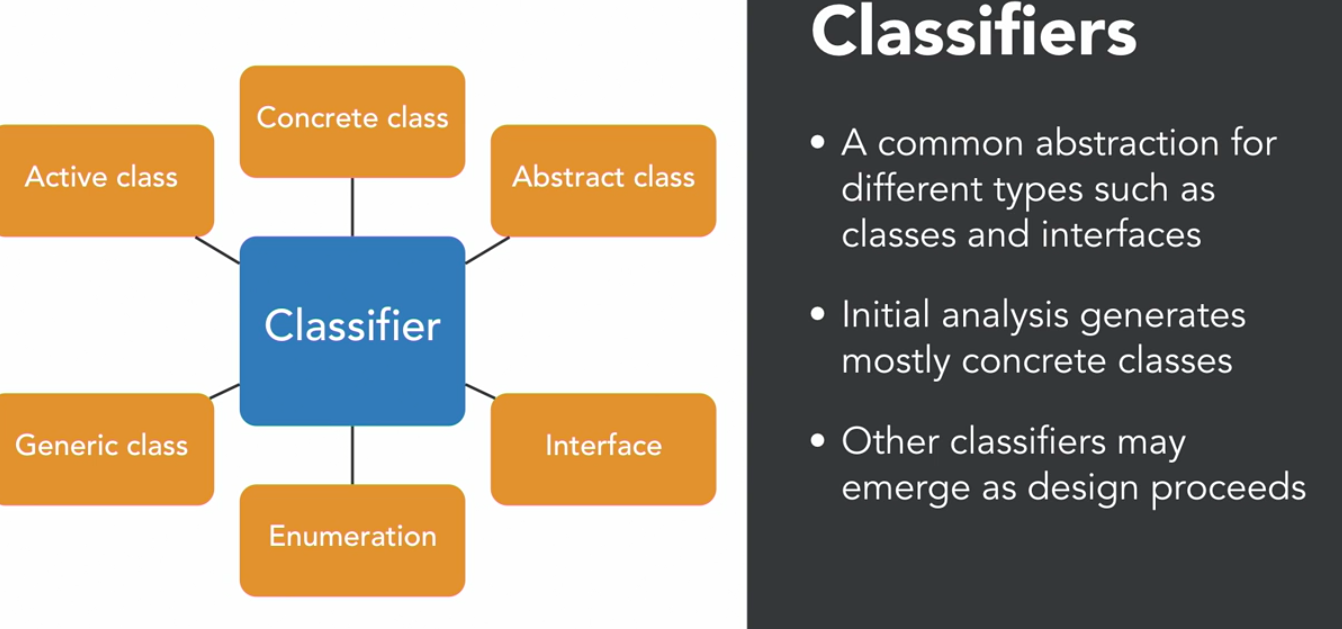
A sample scenario:

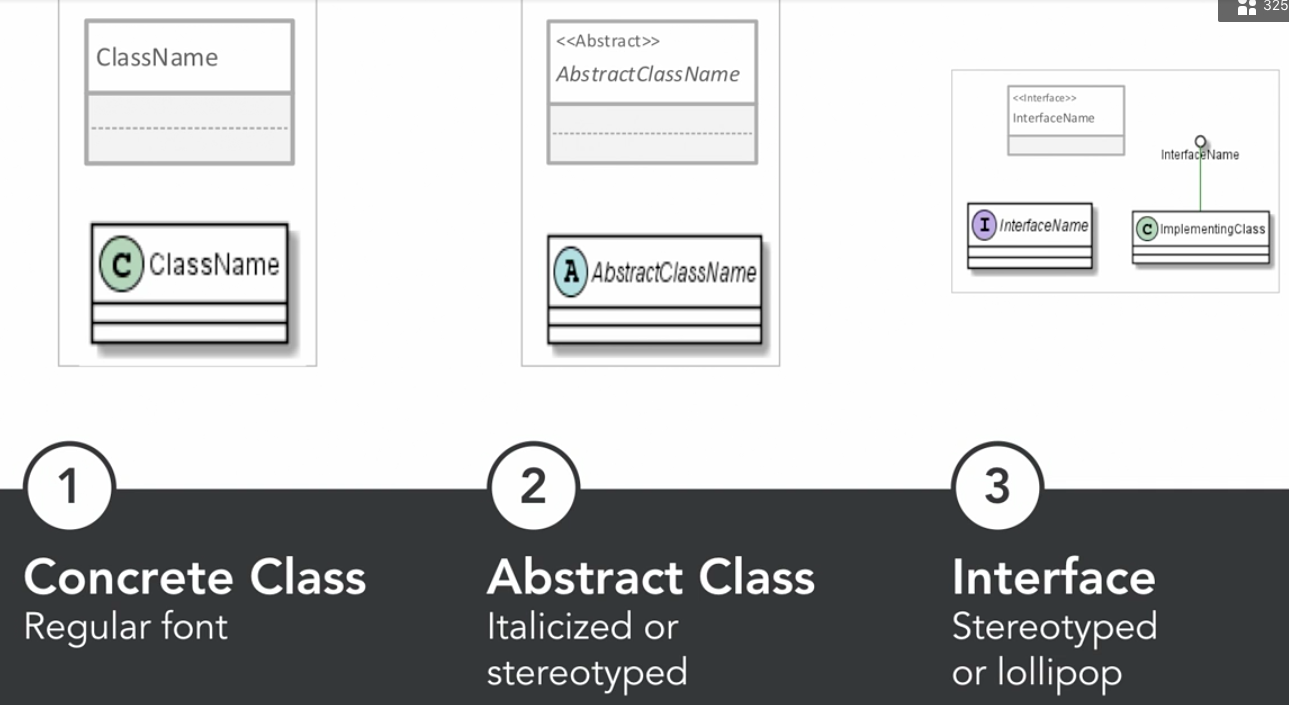
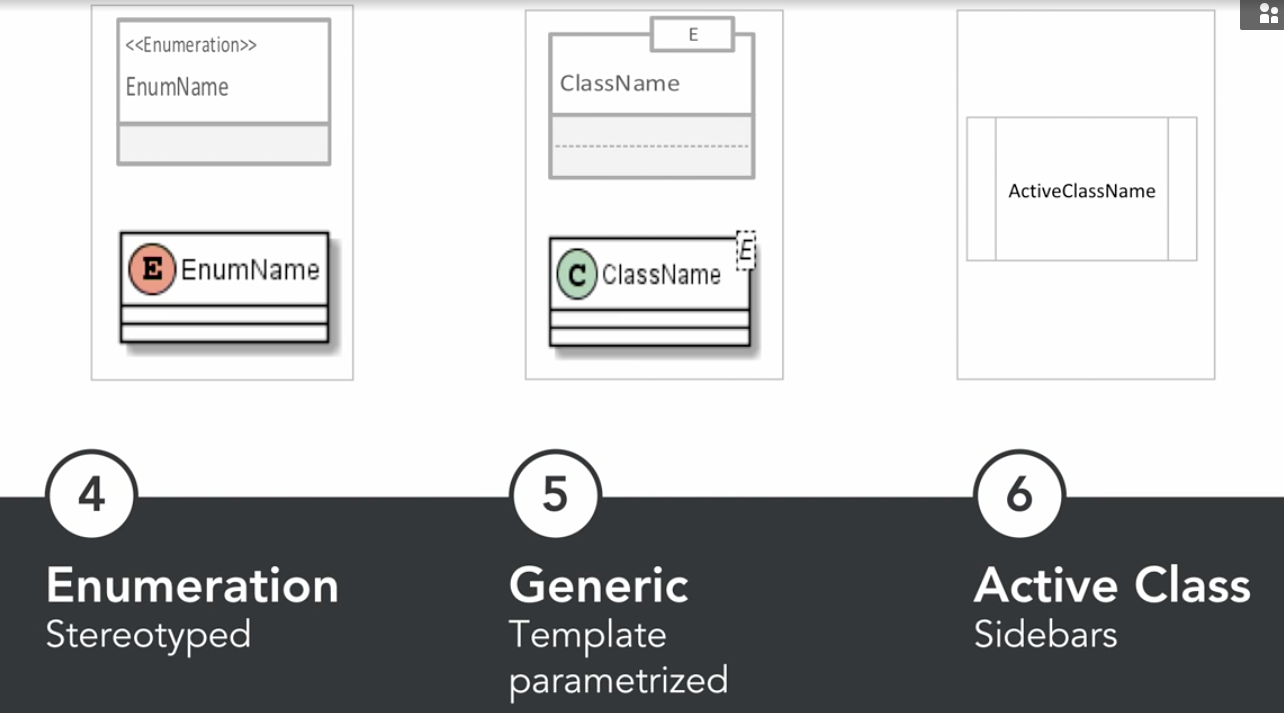




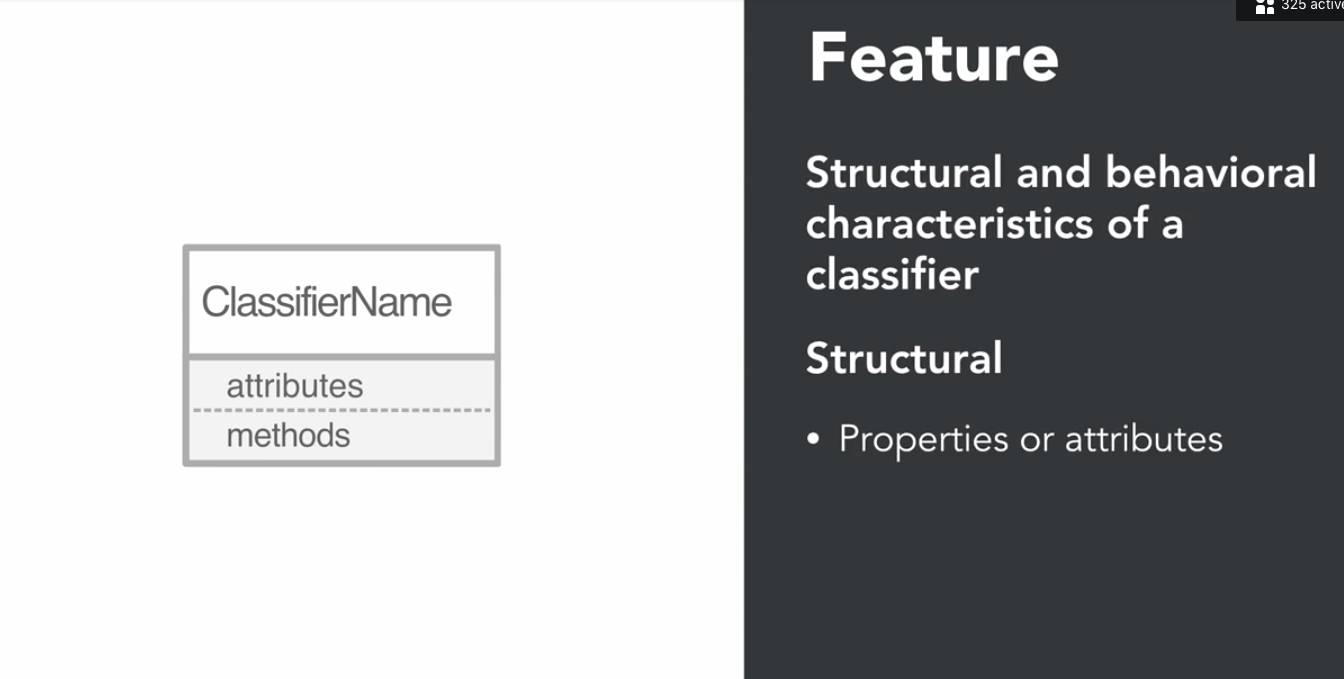


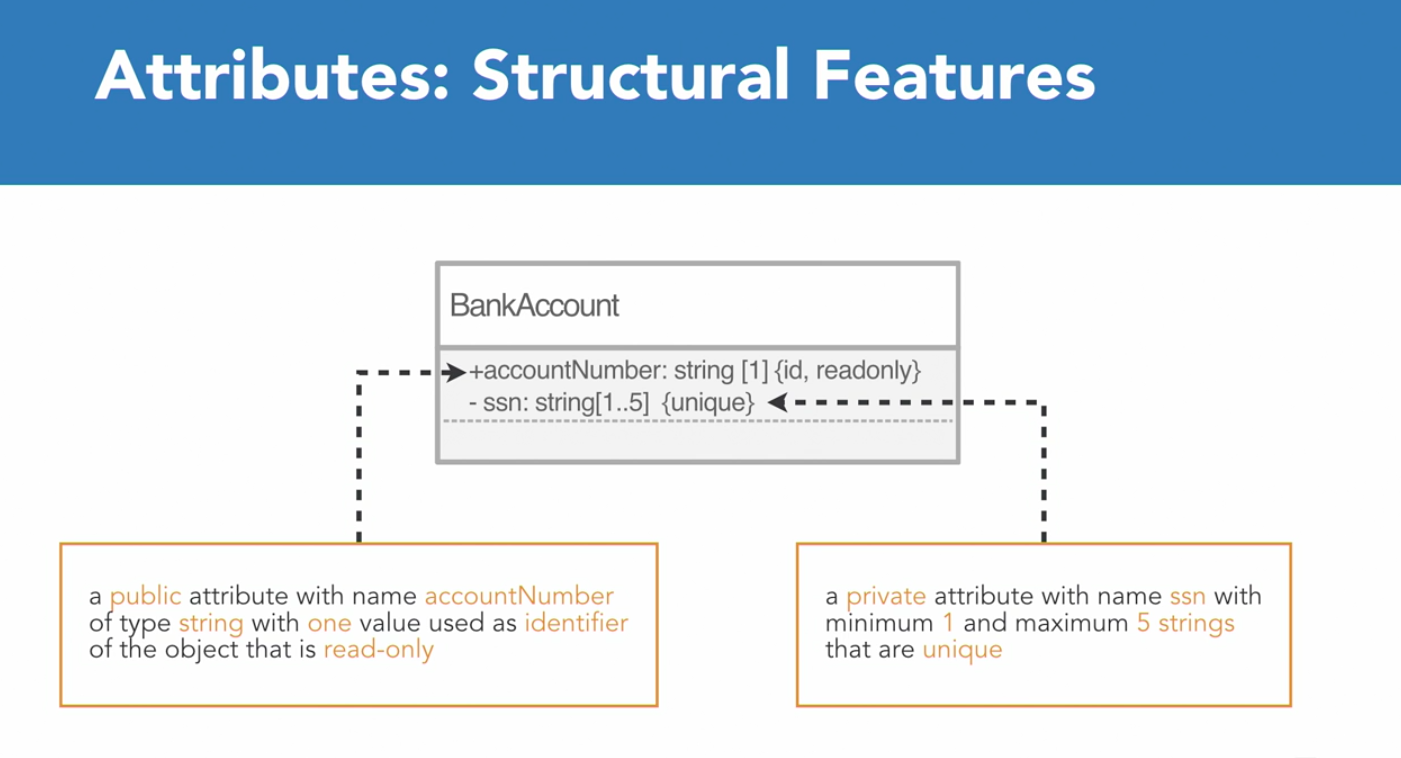
CLASSIFIERS

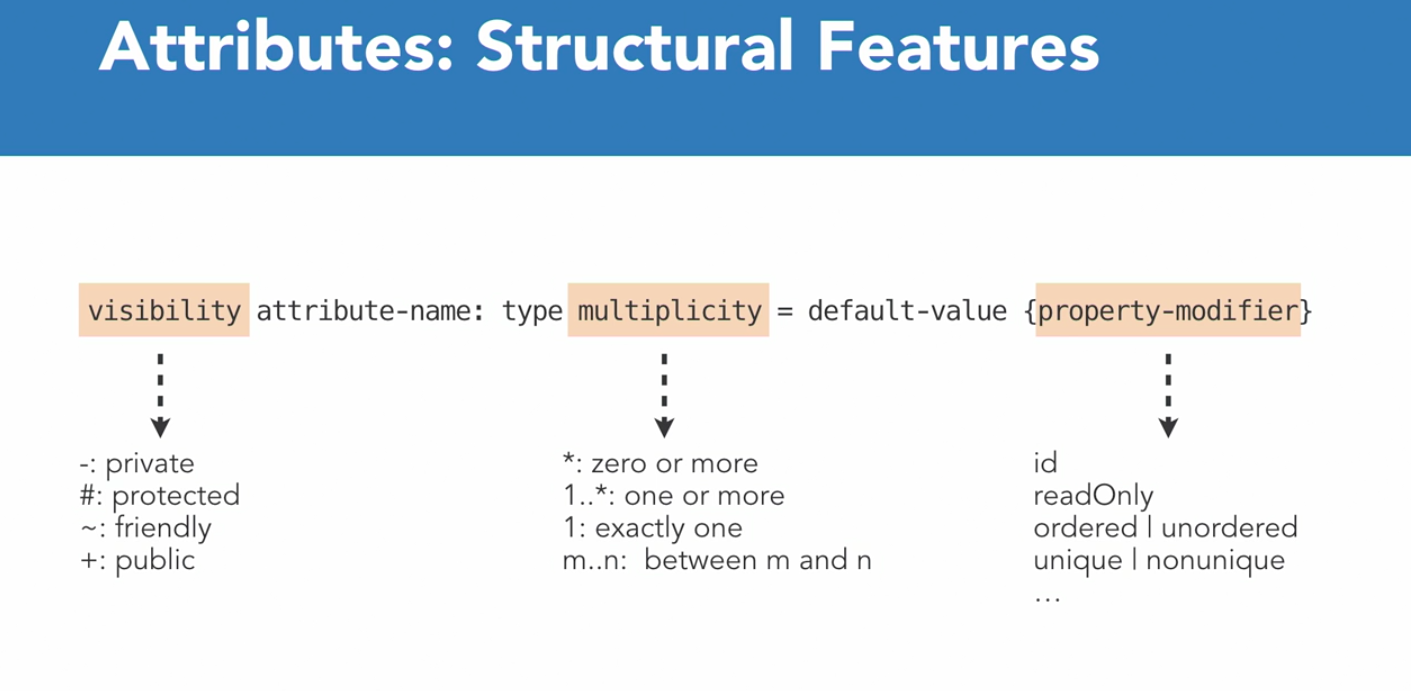




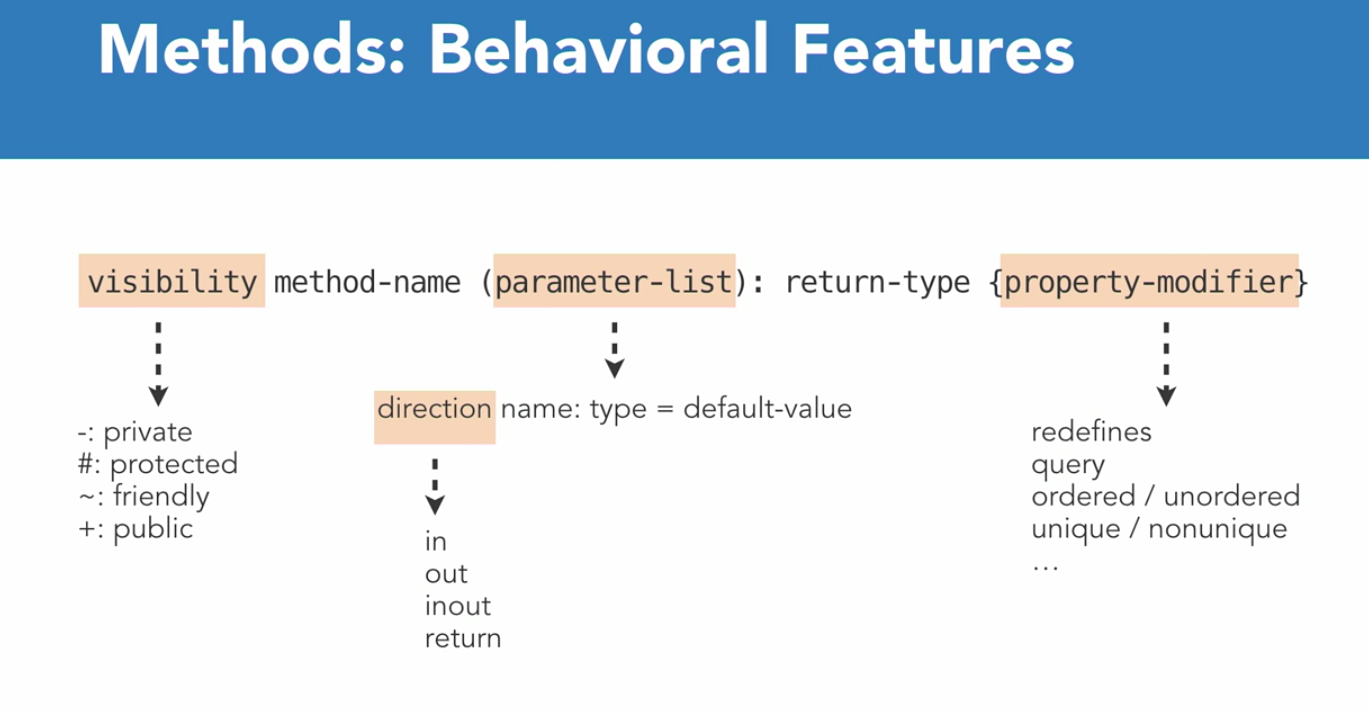
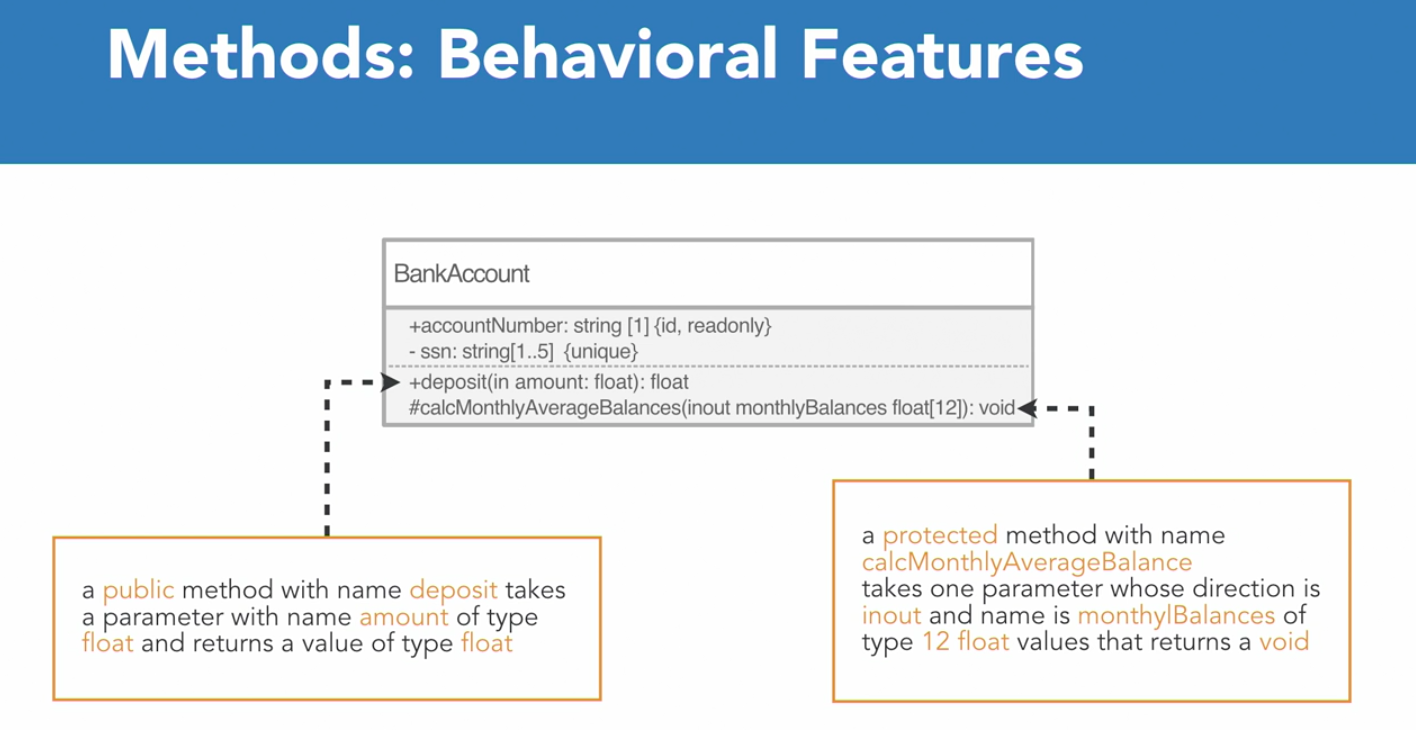
ATTRIBUTES: STRUCTURAL FEATURES



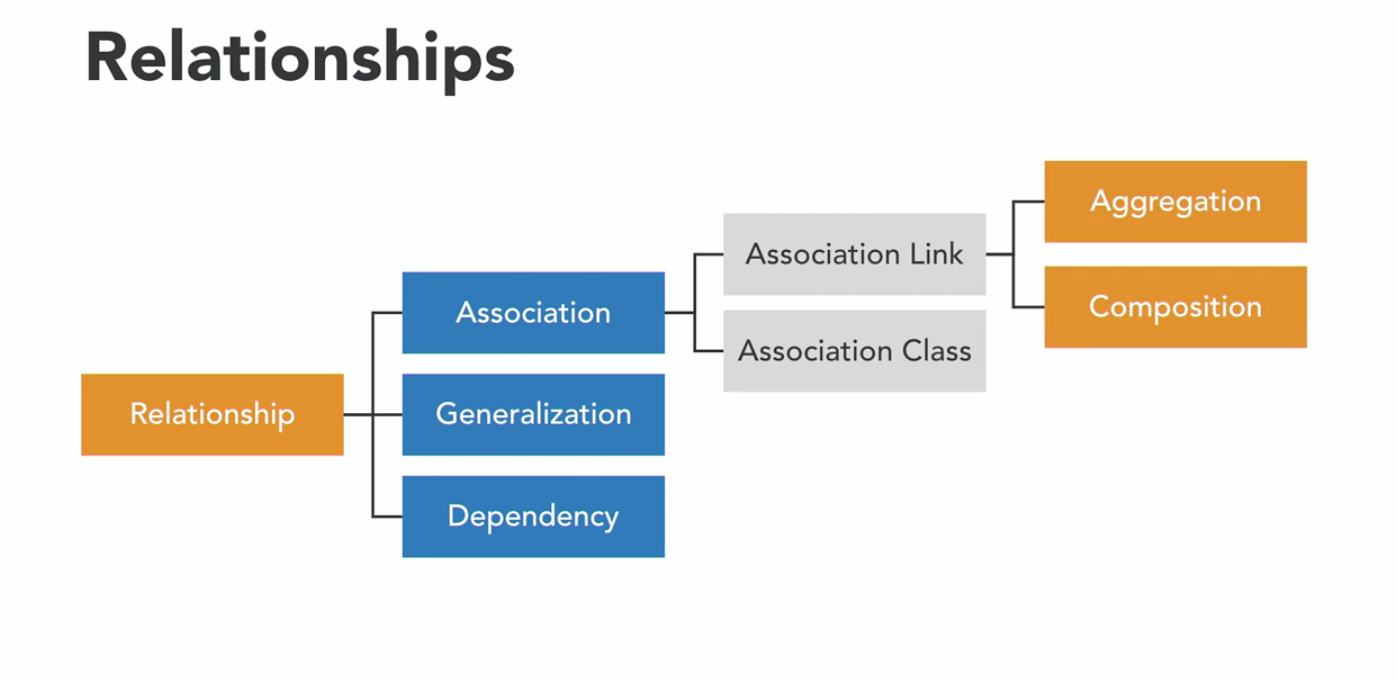


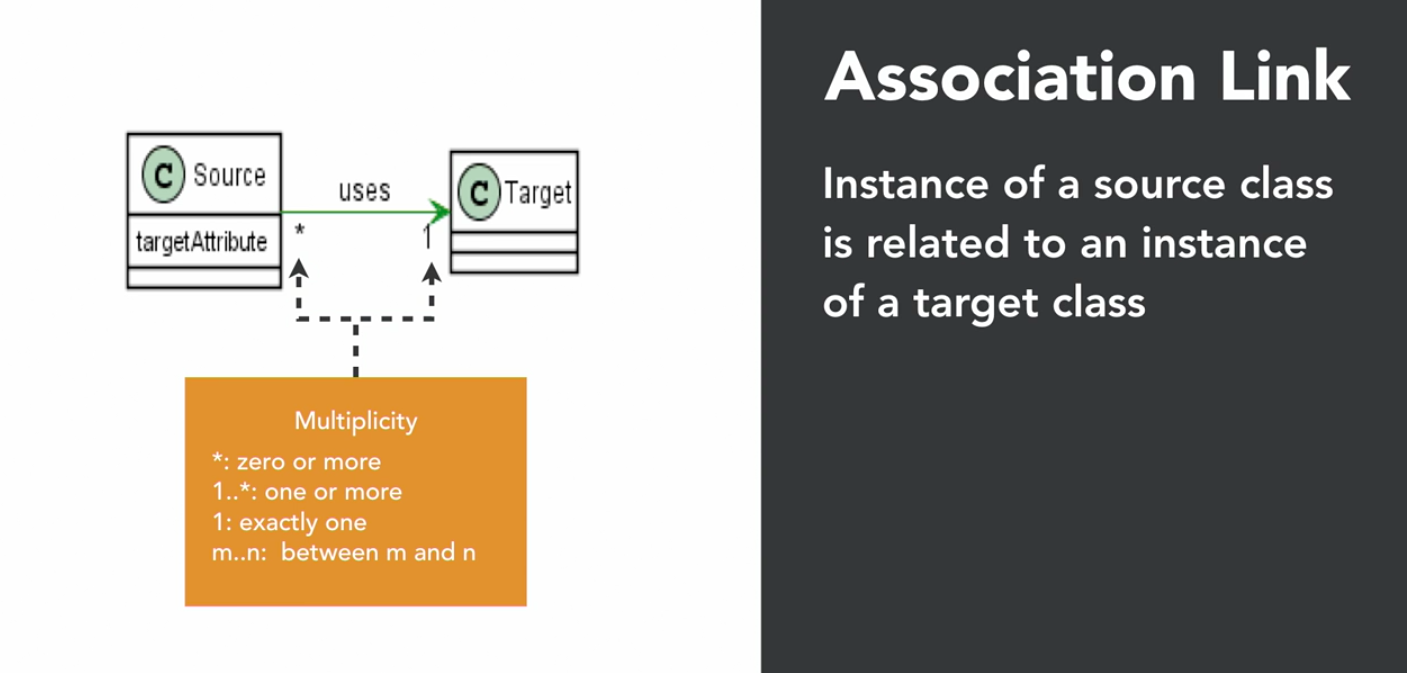


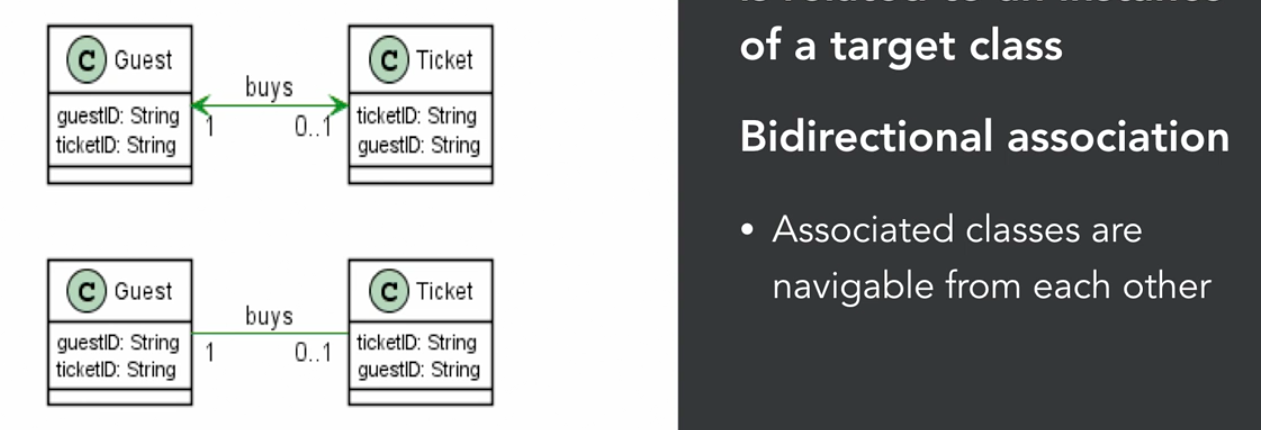
METHODS: BEHAVIORAL FEATURES

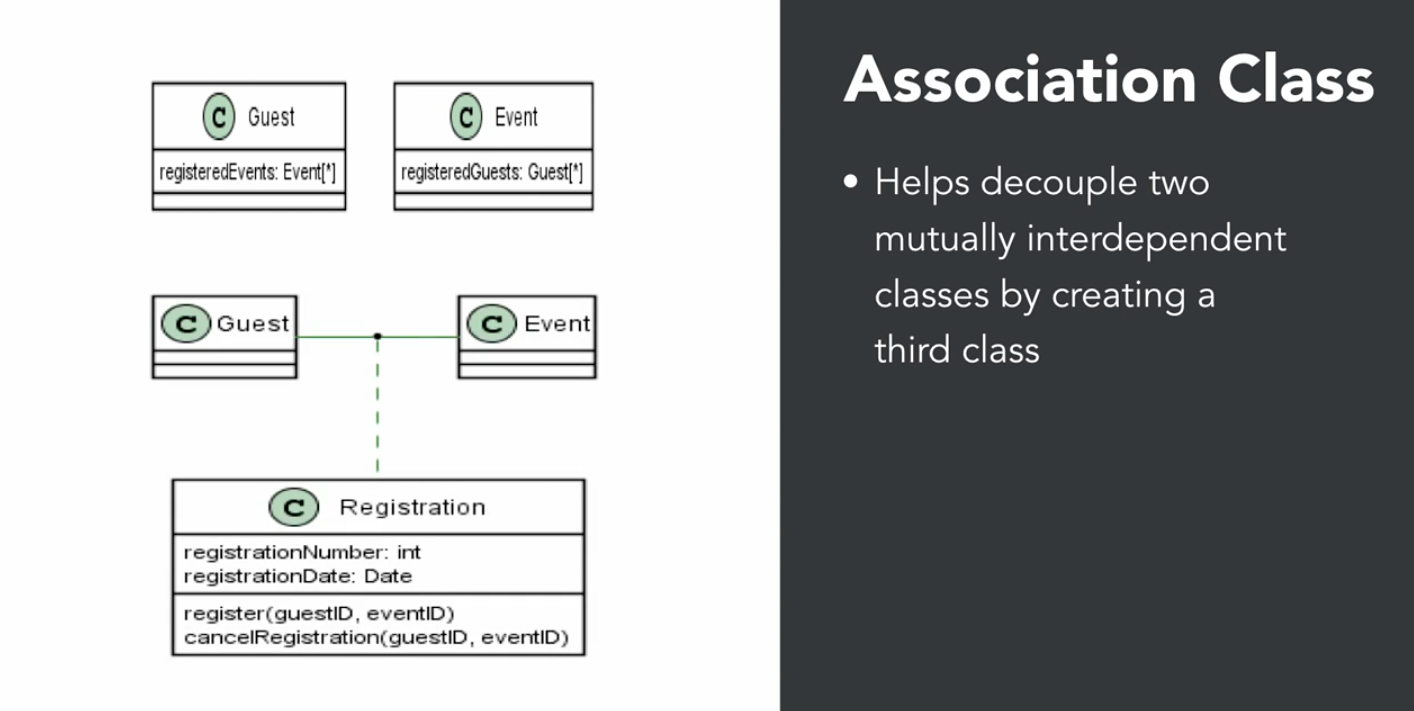


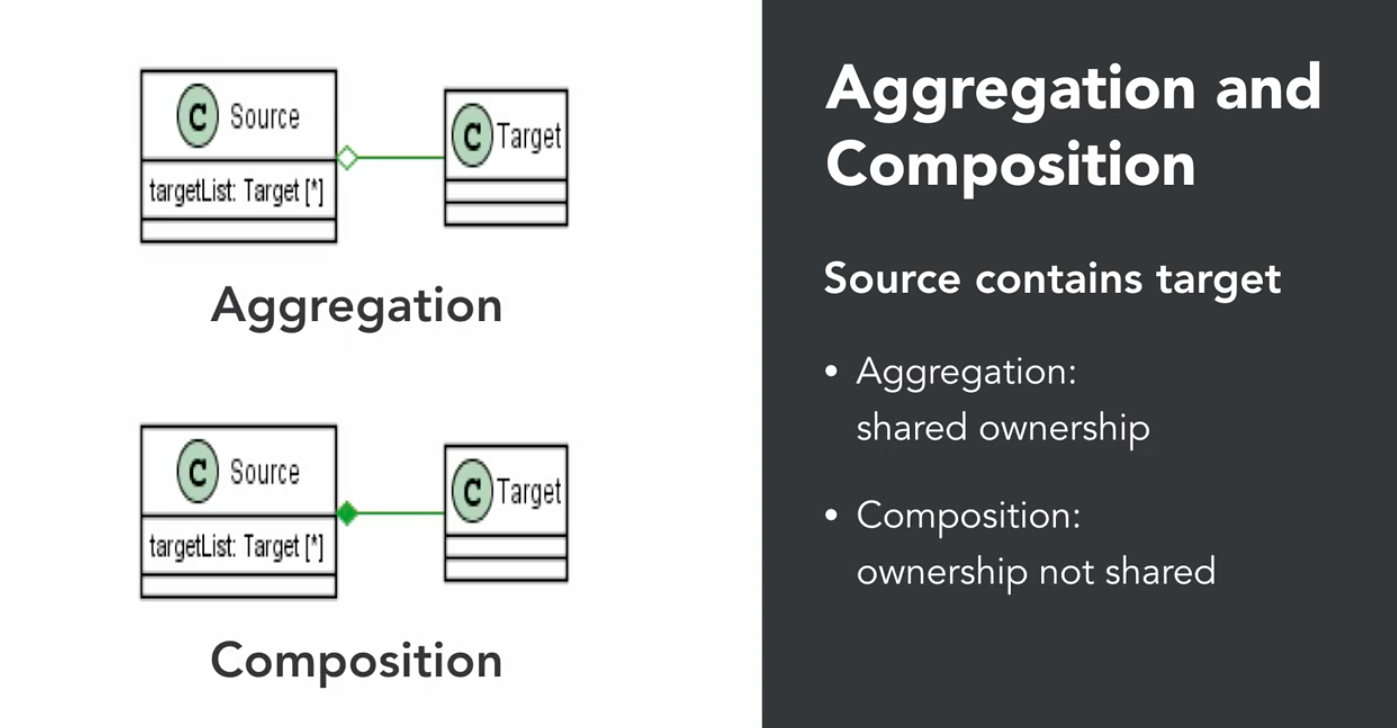
RELATIONSHIP

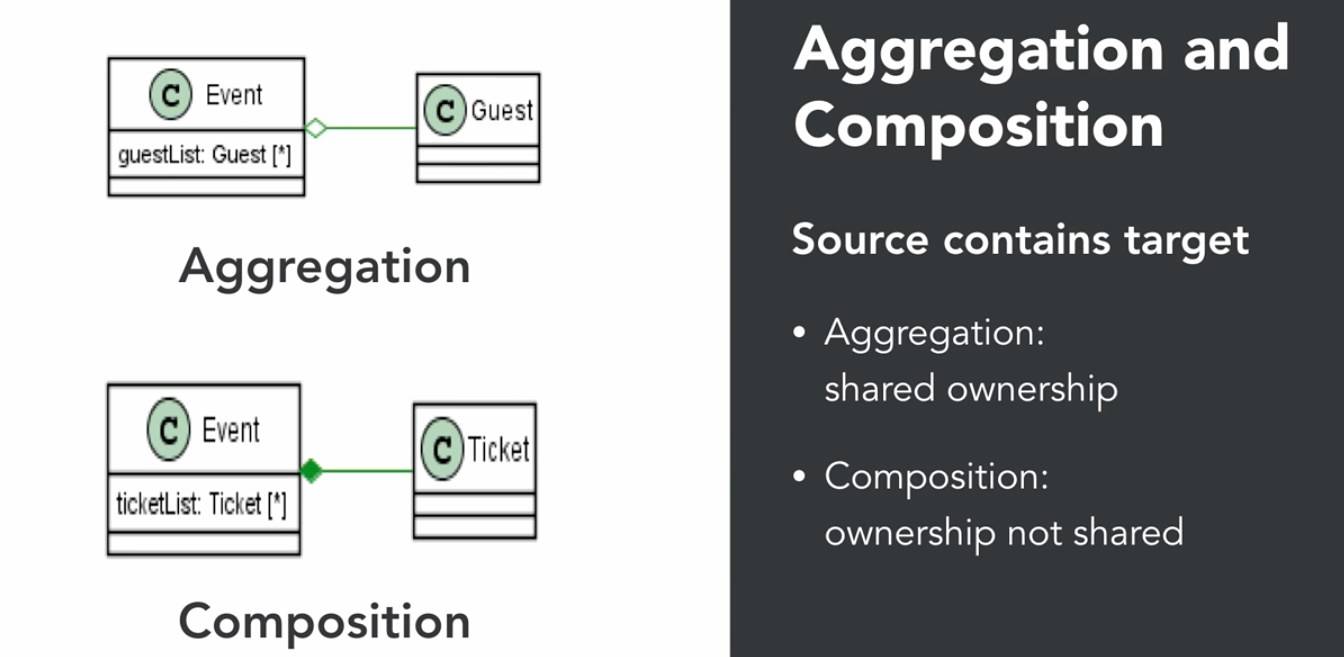


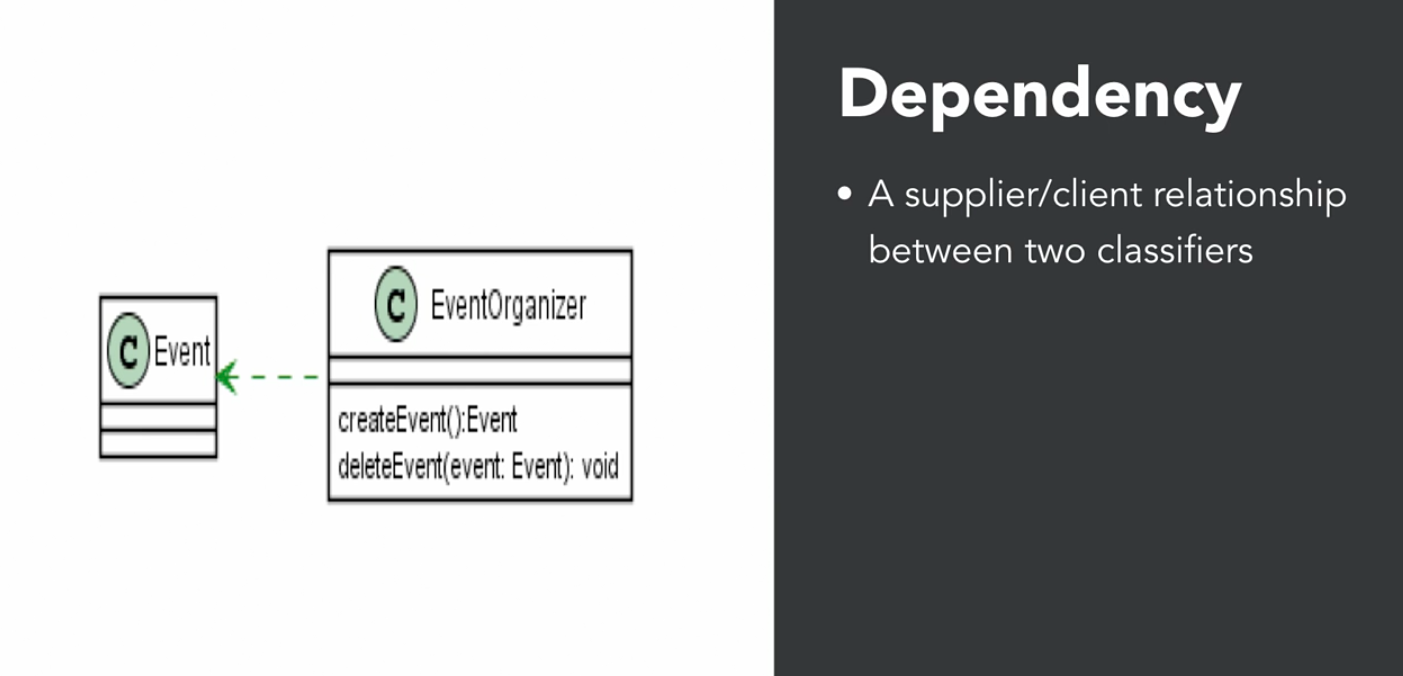
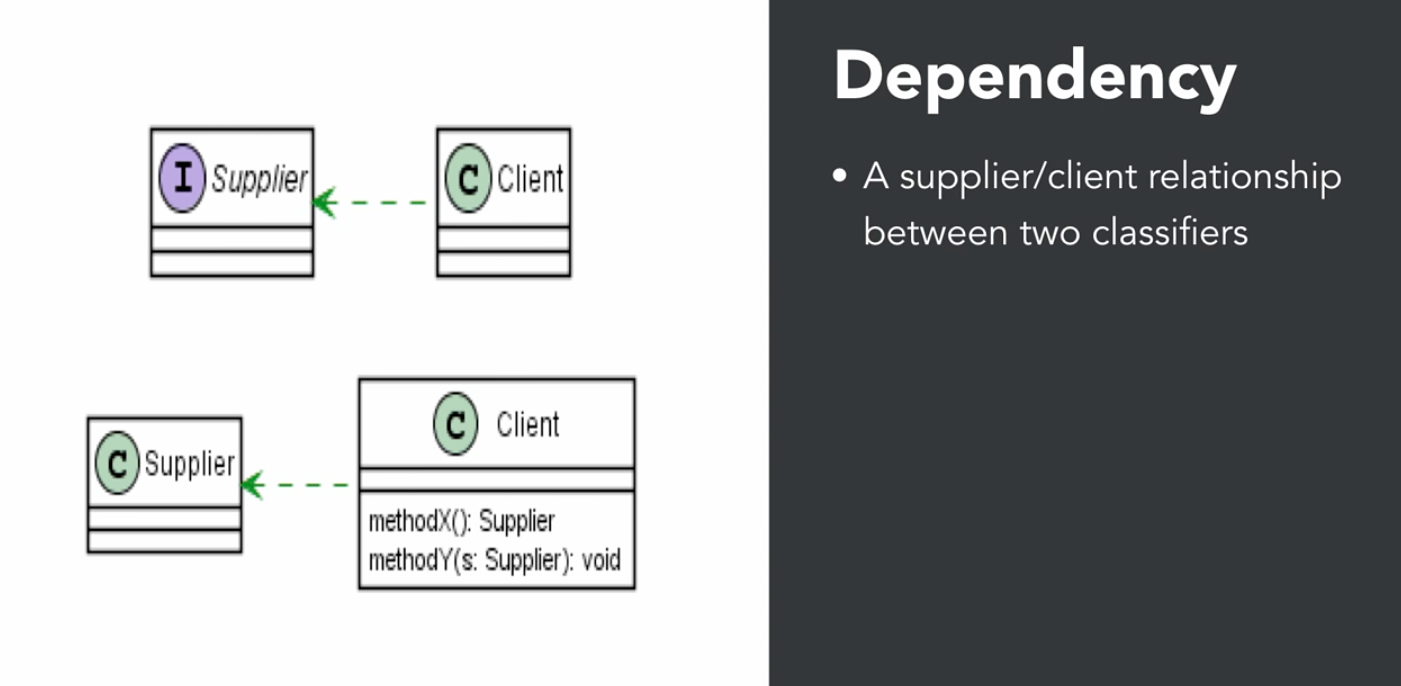












Dependency because child has Event method….

