## 10 Types of Unified Modeling Language or

## rrows

B

**Association** 

A and B are associated in some way

Directional Association

A has access to B but not vice versa

Bidirectional Association

A and B have access to each other

Inheritance

A inherits from B, A "is-a" B

Realization

A implements the interface B

Dependency
A depends on B, B is a dependency of A

В

**Aggregation**A "has-a" B which can exist without A

B

Composition
A "has-a" B which cannot exist without A

 $\oplus$  B

Containment

A is contained within B

Multiplicity
each A has 1 or more B's,
and each B has exactly 3 A's