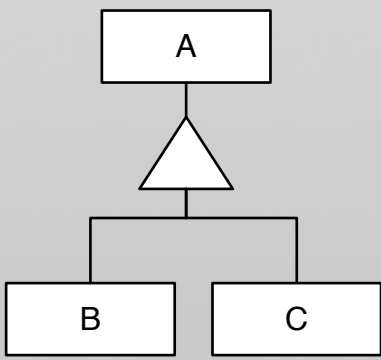
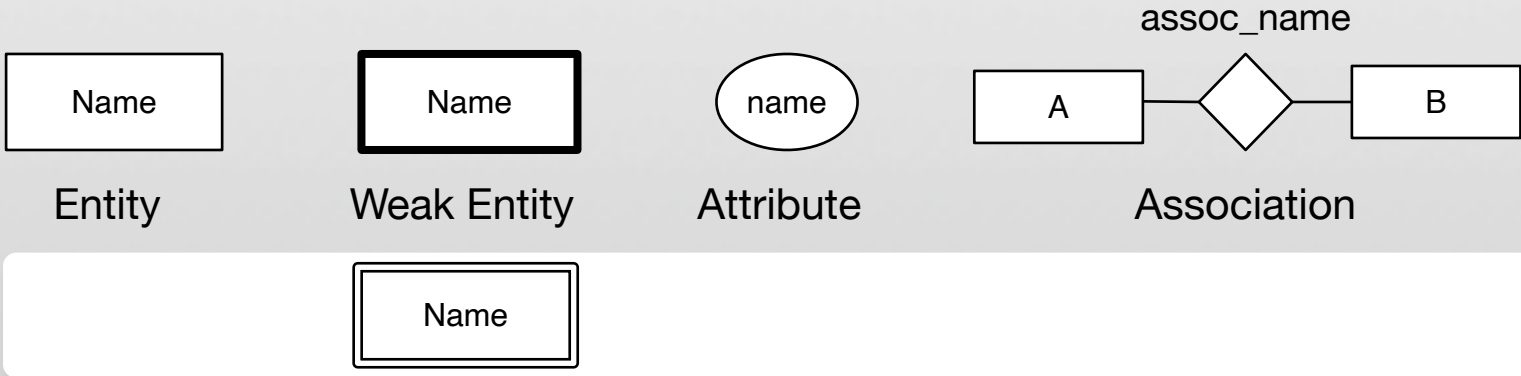
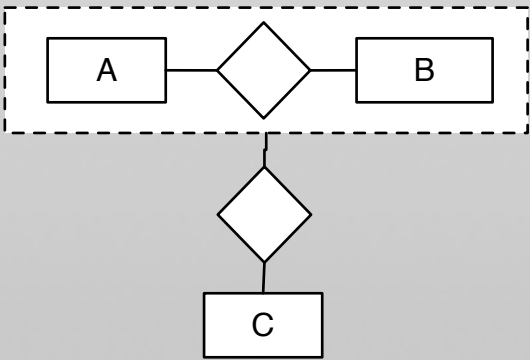


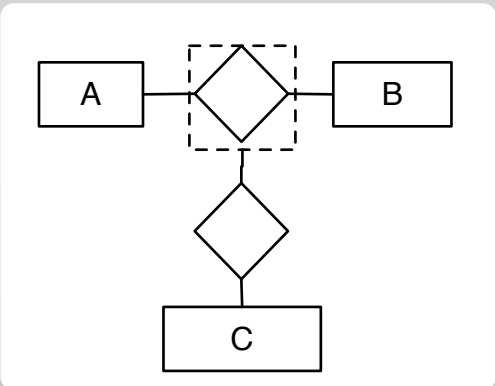
Basic Elements



Generalization/
Specialization

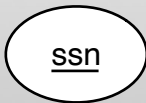


Aggregation



Aggregation

Key Constraints

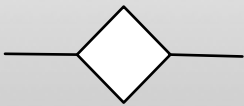


Key

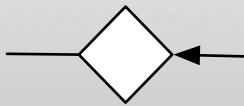


Partial Key

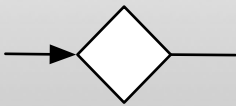
Cardinality Constraints



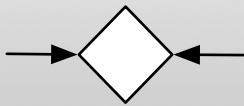
Many-to-many



One-to-many

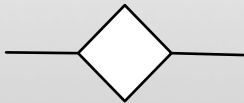


Many-to-one

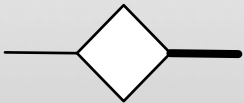


One-to-one

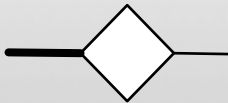
Participation Constraints



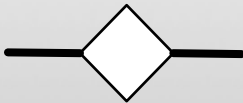
Optional



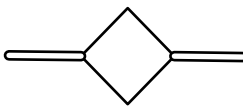
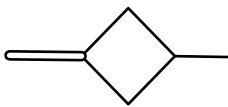
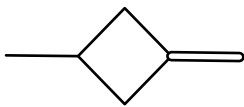
Mandatory (R)



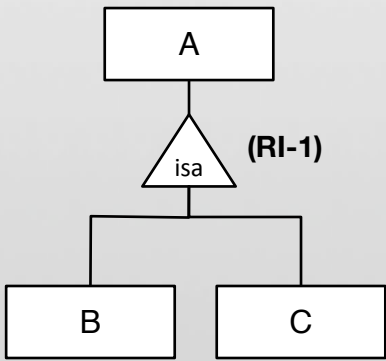
Mandatory (L)



Mutual

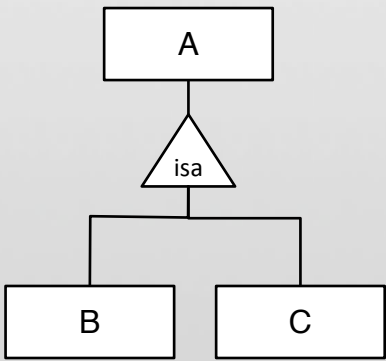


Generalization/Specialization Constraints

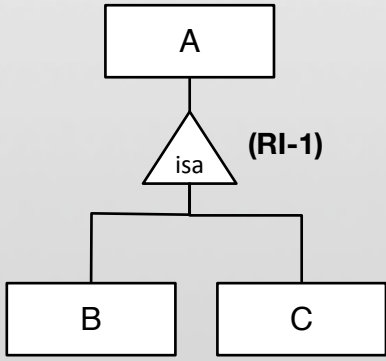


(RI-1) B OVERLAPS C

No-constraint
(OVERLAPS)



Disjointness



(RI-1) B AND C COVERS A

Mandatory Specialization
(COVERS)

