Strong Entity

Attribute

Multivalued Attribute
E.g.: One person can have none/one or more email addresses.

Composite Attribute, e.g. Name – {FirstName, LastName, MI}

Primary Key (Strong Underline in attribute)

Relationship. (It may have one or more attributes). Can be of degree more than 2 (More than 2 entities connected through same relationship)

Weak Entity (Must have an Identifying Relationship)

Identifying Relationship (may have degree greater than 2)

A weak entity must have an identifying relationship to one or more parent entities.
A weak entity may also have (non-identifying) relationships with other entities.
Note: It is possible to represent a weak entity as a multivalued attribute instead. But in that case it should not have relationships with other entities in the ER Diagram besides one parent entity.

Partial Key (Dashed Underline in attribute)

Self relationship

Cardinality Constraints
At least N1 items of B are related to each item in A
At most N2 items of B are related to each item in A
At least M1 items of A are related to each item in B
At most M2 items of A are related to each item in B