ER Model

CS460: Introduction to Database Systems
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• **Entity(Rectangle):** An Entity is a thing or object in real world that is distinguishable from surrounding environment. They have a primary key, distinguishing each occurrence of the entity.

• **Relationships(Diamond):** Relationships are associations between or among entities.

• **Attributes(Oval):** Attributes are characteristics of an entity, a many-to-many relationship, or a one-to-one relationship. Underlined attributes indicate primary keys.
• **Ordinality** is the minimum number of times an instance in one entity can be associated with an instance in the related entity.

• **Cardinality**, on the other hand, refers to the maximum number of times an instance in one entity can relate to instances of another entity.
Exercise
go to https://www.draw.io