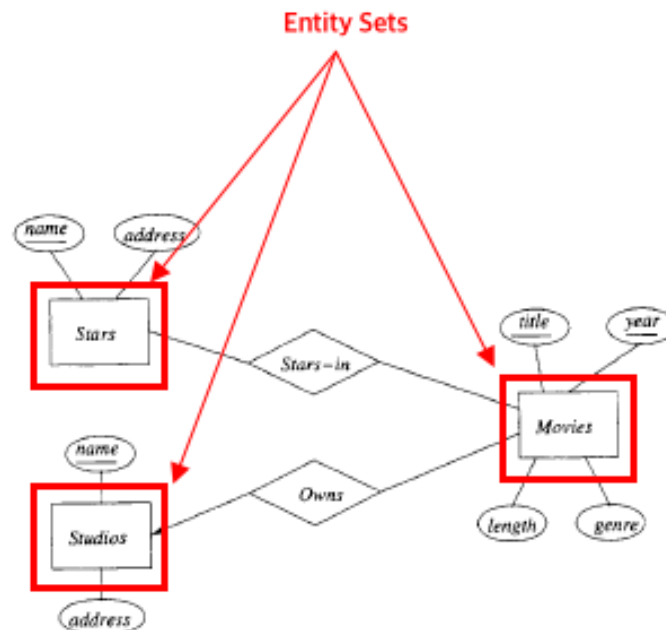# CSC343 Worksheet 14 Solution
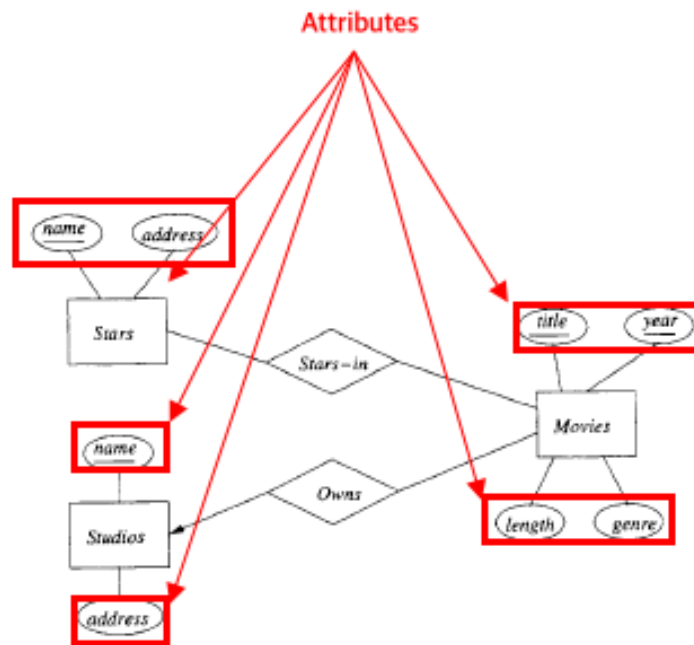
July 7, 2020

1. **<u>Notes:</u>**

- E/R Model
  - Means **Entity Relationship Model**
  - Entity Relationship Model(ER Modeling) is a graphical approach to database design.
  - Is comparable to class diagram in UML
  - Uses three principle element types:
    1. Entity sets
       * Is an abstract object of some sort (i.e. entitiy)
       * Is not used to represent class
       * Is represented by rectangles
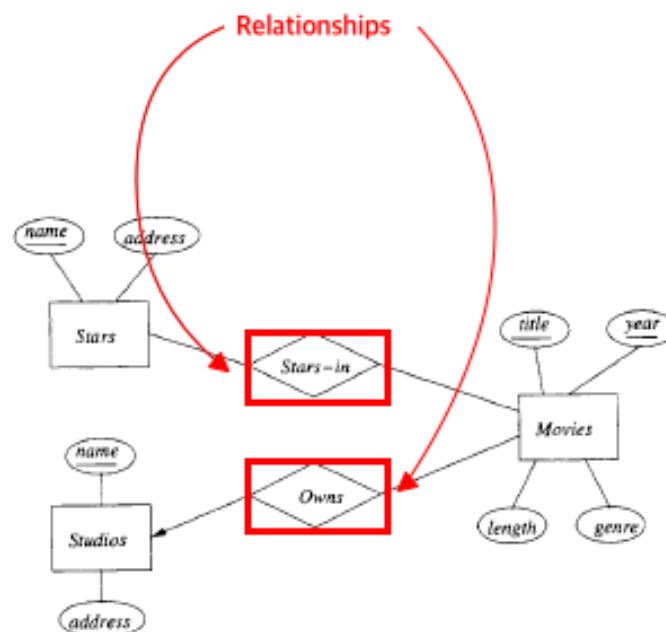

    2. Attributes
       * Are properties of entities in a set (i.e. column name)

∗ Each has its own primitive data types (e.g. String, integers, Reals)
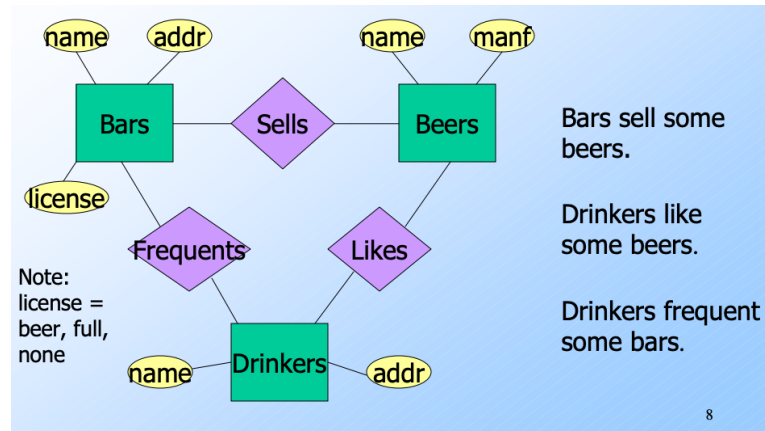∗ Is represented by ovals

3. Relationships
   ∗ Are connections among two or more entity sets (e.g. intermediary Relations like Stars In)
   ∗ Is represented by diamond

Example:

- Multiway Relationships
  - Connects more than two relationship sets
  - Enables to represent relationships that otherwise is difficult in binary relationship