

Conceptual Modeling: University Hiring Example

Hiring Example

You wish to develop a database to keep track of new instructor hires for departments within a university: who they are and when they were hired. An instructor can be hired by more than one department, not necessarily at the same time. Each instructor has a set of skills. The university wants to be able to track which skills an instructor possesses, as well as basic data about instructors and departments. It is not necessary to include a University entity, but if you do, make some reasonable assumptions about what attributes to include in the database.

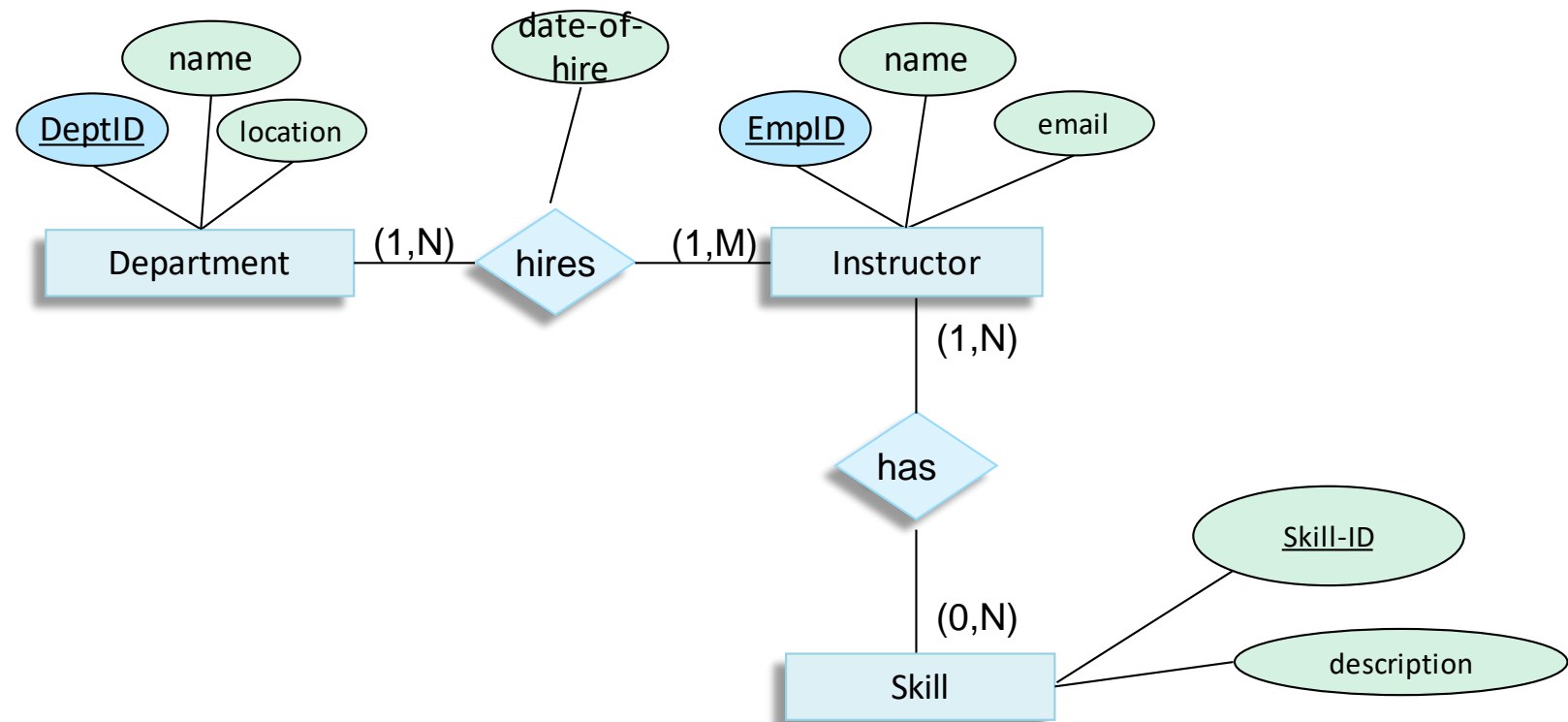
Draw a conceptual model (entity-relationship model) to represent this real-world situation. Use both the Chen notation and the Crow's Feet notation.

Hiring Example

You wish to develop a database to keep track of new **instructor** hires for departments within a university: who they are and when they were hired. An instructor can be hired by more than one **department**, not necessarily at the same time. Each instructor has a set of **skills**. The university wants to be able to track which skills an instructor possesses, as well as **basic data** about instructors and departments. It is not necessary to include a University entity, but if you do, make some reasonable assumptions about what attributes to include in the database.

Draw a conceptual model (entity-relationship model) to represent this real-world situation. Use both the Chen notation and the Crow's Feet notation.

Entity-relationship Model: Chen Notation



Entity-relationship Model: Crow's Feet Notation

