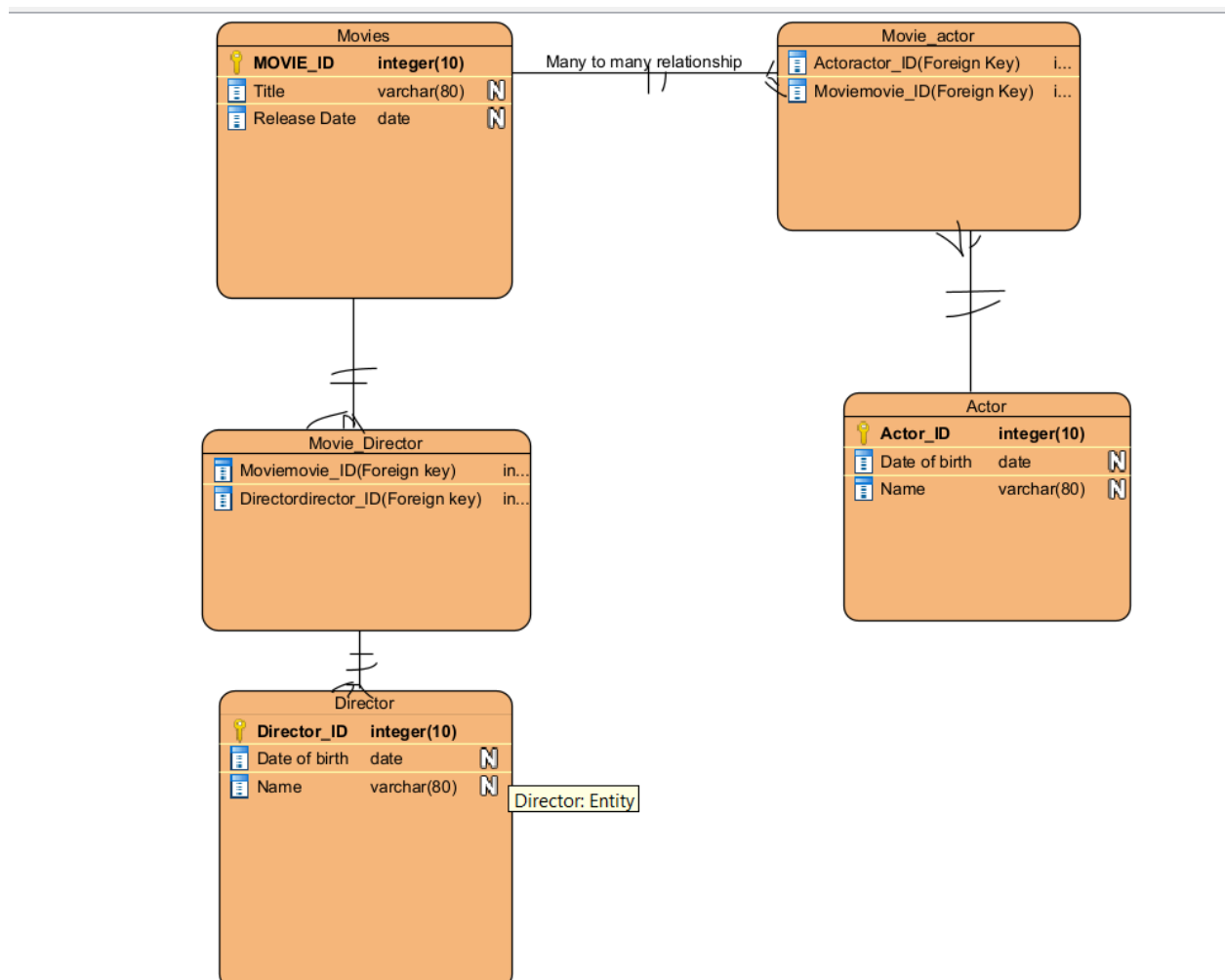


IN1010 Data Modeling Exercise 3 – Movies This exercise is a bit more conceptual. Movies have an ID, a title and a release date. Actors have an ID, a name, and a date of birth. Directors have an ID, a name and a date of birth. Movies have many actors, actors can act in many movies, movies can have more than one director, and directors can direct many movies. Develop data model in Visual Paradigm to represent the above scenario.



#### Movie:

MovieID (Primary Key)

Release date

Title

#### Actor:

ActorID (Primary Key)

Name

DateOfBirth

**Director:**

DirectorID (Primary Key)

Date of Birth

Name

For the **Movie and Actor** relationship, a movie can feature multiple actors, and an actor can perform in several movies. To represent this relationship, a separate entity, called **Movie\_Actor**, is used to connect the two entities.

For the **Movie and Director** relationship, a movie can be directed by more than one director, and a director can be involved in directing multiple movies. To represent this relationship, an entity, called **Movie\_Director**, is used to connect between movies and directors.