

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.

? Entities:

- **Movie:** Attributes: ID, Title, Release Date
- **Actor:** Attributes: ID, Name, Date of Birth
- **Director:** Attributes: ID, Name, Date of Birth

? Relationships:

- **Movie-Actor:** A many-to-many relationship between Movies and Actors. A movie can have many actors, and an actor can act in many movies.
- **Movie-Director:** A many-to-many relationship between Movies and Directors. A movie can have multiple directors, and a director can direct multiple movies.

