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 a data model in Visual Paradigm to represent the above scenario.

Entities:
Movie
- Movie_ID (P)
- Title
- Release_date
Actor
- Actor_ID (P)
- Name
- DOB
Director
- Director_ID (P)
- Name
- DOB

Link Table Actor
- Movie_ID
- Actor_ID
Link Table Director
- Movie_ID
- Director_ID

Relationships:
Movie 0..* - 1..* Actor
Movie 0..* - 1..* Director

Director

🔑 **director_ID**	**integer(10)**	**U**
📄 Name	varchar(255)	
📄 DOB	date	

Link Table Director

📄 director_ID	integer(10)
📄 movie_ID	integer(10)

Movie

🔑 **movie_ID**	**integer(10)**	**U**
📄 Title	varchar(255)	
📄 Release_date	date	

Actor

🔑 **actor_ID**	**integer(10)**	**U**
📄 Name	varchar(255)	
📄 DOB	date	

Link Table Actor

📄 actor_ID	integer(10)	
📄 movie_ID	integer(10)	N