## In Class Activity

## Drawing ER of a MOVIE database

Consider a movie database in which data is recorded about the movie industry. The data requirements are summarized as follows:

* **Movies** are *identified* by their title and year of release (the combination of a movie title and its year is unique). They have a length in minutes. They also have a studio that produces the movie. Movies are classified under one or more genres (such as horror, action, drama etc). Movies are directed by one or more directors and have one or more actors acting in them. The movie also has a plot outline.
* **Actors** are *identified* by their names and date of birth and act in one or more movies. Each actor has a role in the movie.
* **Directors** are also *identified* by their names and date of birth and direct one or more movies. It is possible for a director to act in a movie (not necessarily in a movie they direct).
* **Studios** are *identified* by their names and have an address. They may produce one or more movies.

Try to draw its ER, first by drawing only entities and their attributes, then removing those attributes that are separate entities, and redrawing as relationships.