

## ERD for IMDB:

On this solution, I made all the entities and attributes corresponding to the data set given here: <http://www.imdb.com/interfaces/>.

### ENTITIES:

- Title – represents any type/format of the title. It could be movie, tv series, a videos, etc.
- Crew – contains the director and the writer of the title.
- Episode – contains the information about the episodes of a certain title.
- Cast – represents the title's top-billed/main casts.
- Rating – contains the total number of votes and the average of the overall ratings of a certain title
- Person – contains the information of the person that has been part of a certain/some titles.

### RELATIONSHIPS:

- The entity for titles has relations with all the other entities.
- The title and the person has many-to-many relation since a couple of people may have been involved in the production of a couple of titles.
- Every title has set of casts.
- A crew can be part of many titles, for an example could be in making movie sequels. It makes sense to probably have the same crew in making it.
- The cast is composed of persons.
- The crew is composed of persons.
- A title and rating have one-to-one relationship because a rating represents all the votes given to a certain title.
- The relationship between the title and episode is optional here since it will just depend on the title type. It is often that a movie/video could only be showed once, without episodes at all.

