

## Self study 1 - miniproject part 1

Actors, directors, and writers are decided to be stored only as person, since they can perform multiple roles throughout their career. A person has a name, birthday, and additional information. The table for persons will be:

PERSON ID	PERSON NAME	BIRTHDAY
123	Johnny Known	03-09-1934

A movie can contain movie name, movie id, release data, and rating. The rating is calculated by taking the average of the user ratings, see last table, for a specific movie.

MOVIE ID	MOVIE NAME	RELEASE DATE	RATING
123	The Hobbit	05-12-2014	9.2

To connect persons to movies another table is used. Where the role in this table is an enum that contains actor, director, and writer.

MOVIE ID	PERSON ID	ROLE
637	463	Actor
563	563	Director
637	674	Writer

Awards can be given to both persons and movies, therefore it is necessary to have two tables, since the id's can be the same for both persons and movies. The tables will be as follows:

MOVIE ID	AWARD	YEAR
542	Best Picture	2013

PERSON ID	MOVIE ID	AWARD	YEAR
524	542	Best Actor	2013

To store a user of the system it is necessary to store a username and password. The password should be encrypted, but security is not the focus of this exercise.

USER ID	USERNAME	PASSWORD
546	NiceName	123456

Furthermore, a user can rate movies, and a table for this is created. This table contains user id, movie id, and rating

MOVIE ID	USER ID	RATING
634	342	8