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Assignment 1
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COEN 280: Database System

List of my assumptions:

1- Serial numbers assigned by imdb.com for Movies and TV shows are unique (to avoid weak entities).
2- I assumed a movie can win multiple categories in an award event. For example, a movie can win the best custom designs and best visual effects in Oscar.
3- I assumed ID attribute for Review entity is unique.
4- Each vote is given by one user to one critics' review.
5- Critics only recommend IMDB user reviews, not other critics' reviews.
6- Users vote (funny, useful, cool) for critics' reviews.
7- A person can be only critic, producer, director, actor, or ordinary person. That is why the inheritance line is bold and is indicating total participation.
8- I assumed ordinary people are a subclass of person, if we don't assume that, ordinary people would be a weak entity.
9- Vote is a weak entity that needs both IMDB user and Critic Review to be uniquely identified.
10- Votes are given by IMDB users to Critic Reviews not to movies.
11- Rates are given by IMDB users and Critics to movies and TV Shows.
12- Criticing a movie/TV show by a critic is the same as writing review for that movie/TV show by a critic. (criticing means reviewing)
13- movie, director, and actor can get nominated in in diffrent nomination of categories in an award event and win a nomination category.

ID | fname | lname | gender | birthdate | age | email

serial No | title | year | genre | cost | country | language

favorite
favorite
To be watched
to be watch
rate
rating

IMDB User

write
date | content
ID
Review

nation | state | town
birthdate | birthplace
ID
Person
fname
lname | gender

D

User Review | Critic Review
number stars
number votes

Movie

belong

number | location
Scene

win
nominate
Award Event
name | category

serial No
rate

TV Show
name
network

visible

belong

belong

Favorite
To be watched

belong

access

write

recommend

give
category
vote
has

name
role/title
act

Recommended | Not Recommended

D

Ordinary person | Critic | Producer | Director | Actor

O

age

produce

produce

direct

Season
number | sdate | edate

belong

Episode
number | title | length

role/title
act
name

rate
rating

rate
rating

guest star

O

Reality Show | Non Reality

direct

act
name | role/title

nominate
win

nominate
win