Internet Movie Database Project Proposal

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(1) Brief Description

We decide to develop an online movie rating website. It serves as a platform for movie fan to communicate with each other. Its a "Database-driven" websites and allow users to subscribe, like, rate, summary or review the movies. Basically, the websites include two functions:

1) Website help user find movie satisfy their taste

  1.1 Search by catagory (looks like search a book in library), such as generes, actors, directors and ratings

  1.2 Vague search (given the year, actor or key word then find the relative result)

2) Provide user a platform to communicate with other movie fan

  2.1 Rate the movie

  2.2 Write the review (long and short) to a given movie

  2.3 View and comment the review written by other people

(2) Entities and Attribute

Here we have 9 entities: Movie, Genre, Actor, Director, User, Review, LongReview, Summary and Comment. The preliminary E-R diagram is enclosed in the following page.

(3) Data Resources

To populate the database, we can't easily acquire all the data we need from one piece of existing dataset. However, there are alternative ways to doing this: one is the IMDB interface (http://www.imdb.com/interfaces) that allow users to access the IMDb locally by holding copies of data; another one is a open movie database API (http://www.omdbapi.com/) that allow users query and retrieve data using certain format.

Director
Name
BirthDay
Nationality

Direct/Is Directed by

Movie
MovieName
Genre
ReleaseDate
RunTime
Language
Rating

Genre
GenreName
Description

Has/ Belongs to

Act in/ Is acted by

Actor
Name
BirthDay
Nationality

Has/ Belongs To

Review
ReviewID
Date
Rating
IsLong
Likes
Type

User
UserName
AccountName
Password
Email

Writes/ Is written by

Comments/ Is commented

Subtype (Exclusive)

Comment
Date
Contents
ReplyTo

Relates/ Is related to

LongReview
Contents

Summary
Contents