**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.

