Future University in Egypt
Faculty of Computers and Information Technology
Department of Information System

Movies Recommendation expert system

Prepared by	
ID	**Name**
20182340	**Basma Ehab**
20183718	**Salma Mohammed Abdullah**
20184997	**Mohammed Abdelgelil**

Supervised by
Dr. Amira Mohammed Ibrahim
TA. Maha Farghaly

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Decisions Support Systems

Introduction

As we know that, the world is growing faster like never before. Everyone is rushing for their ultimate goals. This thirst results into the development of almost every sector. Online business is one of them. We people, don't have time to shop from market and this is not the end. We don't even have time to choose the object from the collection. This created the embryo of online shopping, which nowadays, became a huge tree, of tons of branches. As the online market grows exponentially, it's obvious that competition will entered in this field also. Now, owners of their respective sites need to attract their users by providing attractive facilities. Recommender Engines is one of the facilities given to users.

Recommender engines are the most immediately recognizable machine learning technique in use today. We will have seen services or sites that attempt to recommend books or movies or articles based on our past actions. They try to infer tastes and preferences and identify unknown items that are of interest.

Amazon.com is perhaps the most famous e-commerce site to deploy recommendations based on purchases and site activity, Amazon recommends books and other items likely to be of interest. Netflix similarly recommends DVDs that may be of interest, and famously offered a $1,000,000 prize to researchers who could improve the quality of their recommendations. Social networking sites like Facebook use variants on recommender techniques to identify people most likely to be as-yet-unconnected friends.

Problem Definition

This paper is based on recommendation system that recommends different things to users This system will recommend movies to users This system will provide more precise results as compared to the existing systems. The existing system works on individual user rating This may be sometime useless for the users who have different taste from the recommendations shown by the system as every user may have different tastes This system calculates the similarities between different users and then recommend iMovie to them as per the ratings given by the different users of similar tastes This will provide a precise recommendation to the user. This is a web based as well as android system where there is a movie web service which provides services to user to rate movies, see recommendations put comments and see similar movies.

The proposed system is a better system than any other existing systems. This system has added the positive features of existing systems and has overcome the drawbacks of existing systems. The system is all the existing algorithms ie content based context based and collaborative based algorithms: All these algorithms are combined to give more precise result The following modules are developed a

- **Admin**

The system admin will add movie in a database, view movies and update it.

- **Recommendation Engine**

This recommendation engine will calculate the similarities between the different users on the base of that similarities calculated this engine will recommend movie to user.

- **Movie Web Service**

This will allow user to rate iMovie comments on movies This service will also show the movie recommendation to the users.

- **Android User**

The android NSCT can rate a movie, can comment on any movie and can see similar movies recommended by other users who are similar to this user.

Domain: IT(Programmer) , Marketing .

DomainExpert: IT ,Programmer, Designer.

TaskDomain:planning ,design.

KnowlegdeUser: Customer/User.

Rules of recommendation movies:

- If there is no problem in the category, and
- If all categories are available for the user
- If all languages are available ,and
- Design and interface are good for user,and
- If changes or updates are easily to accomplish,and
- If rate is high ,and
- If favorite actors are available

Then accept the application

Else check other movie recommendation rules.