

RECOMMENDED CORRELATION ANTICIPATED FOR CHOROGRAPHY AND NONCHOROGRAPHY NEXUS

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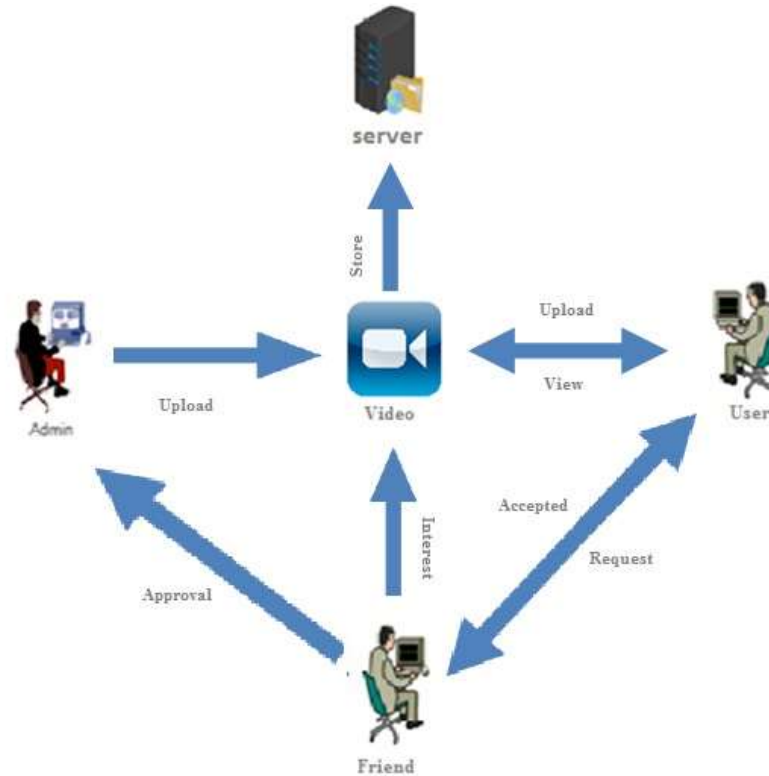
ABSTARCT: Social networks are a popular way to model the interactions among the people in a group or community. Understanding the dynamics that drive the evolution of a social network is a complex problem due to a large number of variable parameters. This problem is commonly known as the Link Prediction problem. In the traditional link prediction problem, a snapshot of a social network is used as a starting point to predict, by means of graph-theoretic measures, the links that are likely to appear in the future. In this paper, we introduce cold start link prediction as the problem of predicting the structure of a social network when the network itself is totally missing while some other information regarding the nodes is available. As a result the lack of topological information the traditional methods cannot be applied for solving the link prediction problem. We propose a two-phase method based on the bootstrap probabilistic graph. The first phase generates an implicit social network under the form of a probabilistic graph. The second phase applies probabilistic graph-based measures to produce the final prediction.

KEYWORDS: Social Networks,Cold start link prediction,Graph-theory,Two phase method.

I. INTRODUCTION

Large real-world networks exhibit a range of interesting properties and patterns. One of the recurring themes in this line of research is to design models that predict and reproduce the emergence of such network structures. Many types of networks and especially social networks are highly dynamic they grow and change quickly through the additions of new edges which signify the appearance of new interactions between the nodes of the network. The problem can be also viewed as a link recommendation problem, where we aim to suggest to each user a list of people that the user is likely to create new connections to. The current Facebook system for suggesting friends is responsible for a significant fraction of link creations, and adds value for Facebook users. Moreover, this link might also be hinted at by the structure of the network: two people are more likely to meet at the same party if they are “close” in the network. In this paper proposes the connection between non-topological and topological information in social networking services (SNS) effectively. We review the related work from the perspective of link prediction. Since there are great similarities between cold-start link prediction and cold start recommendation, relevant literatures on cold-start recommendation will be covered in this paper.

I. ARCHITECTURE DESIGN



The hardware components are connected according to the circuit diagram. The 100ohm resistor is connected with the in pin 8. From the resistor its connected to transistor 2N2222, From the transistor one side is connected to the buzzer which is connected to 5V and another pin to the GND. The pin 7 is connected with the out pin of the PIR sensor. The one pin to the Vcc and the another one to the GND. On the other end the pin 6 is connected with the capacitor of C1 10uF to the switch button and the +5v. The pin 9 is switched with the Tx pin of the GSM module and the pin 10 is connected with the Rx of the GSM.

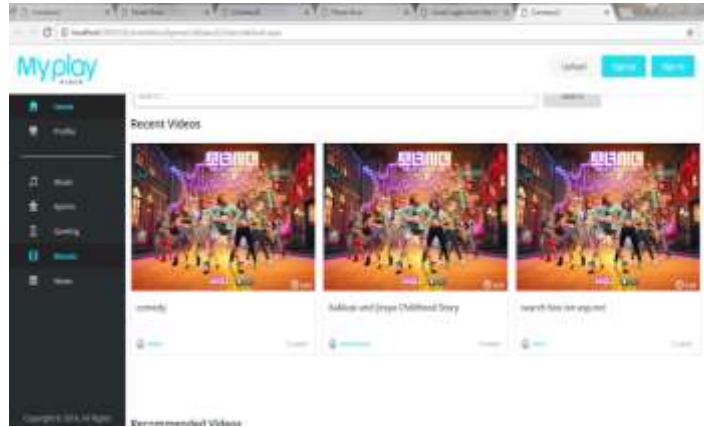
II. DESCRIPTION OF PROPOSED SYSTEM

The architecture diagram of our proposed system contains of several modules. The Description of each modules is given in detail below.

3.1 Characterization Module (Home page, Registration page, Login page)

The authority provides the access to the users to modify the information which they given at the time of registration. The users are accessible to select their interest and upload videos. The suggested friends are listed according to their selected interest. The users are allowed to give request and chat with the friends who accepted their request.

HOME PAGE:



REGISTRATION PAGE:

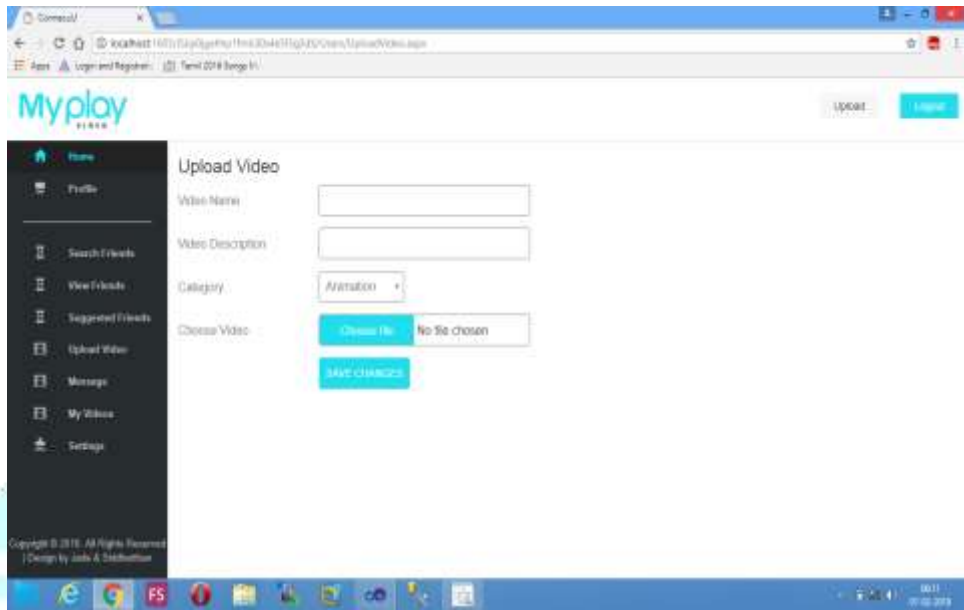


LOGIN PAGE:



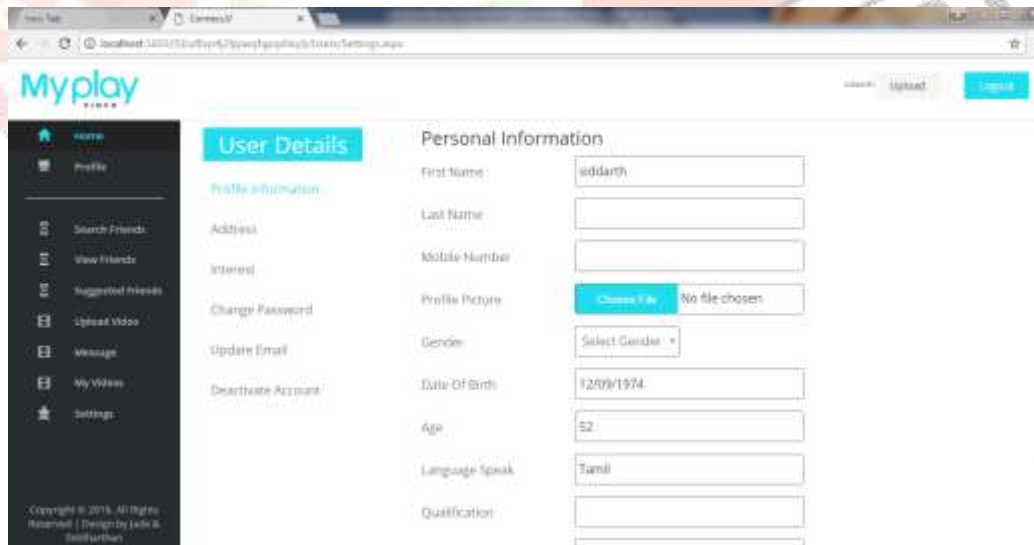
3.2 Transmit Module

The users can upload the videos according to their interest and describes about the particular video. This is the process users can do in upload module.



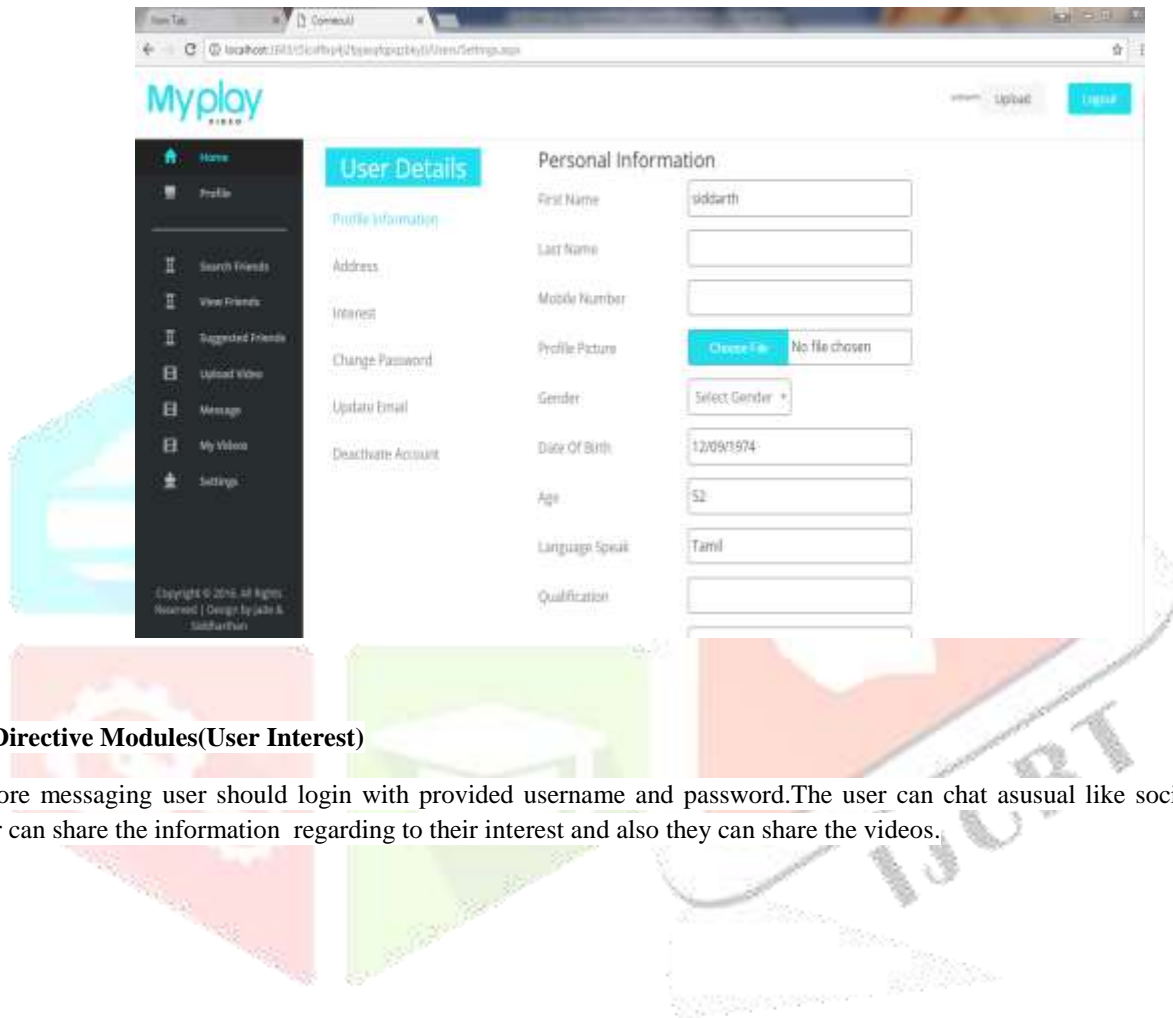
3.3 Reviewed Video Modules

If two users has same interest means the common video should display and the another option is to display the videos even the mutal friends are in different interest.



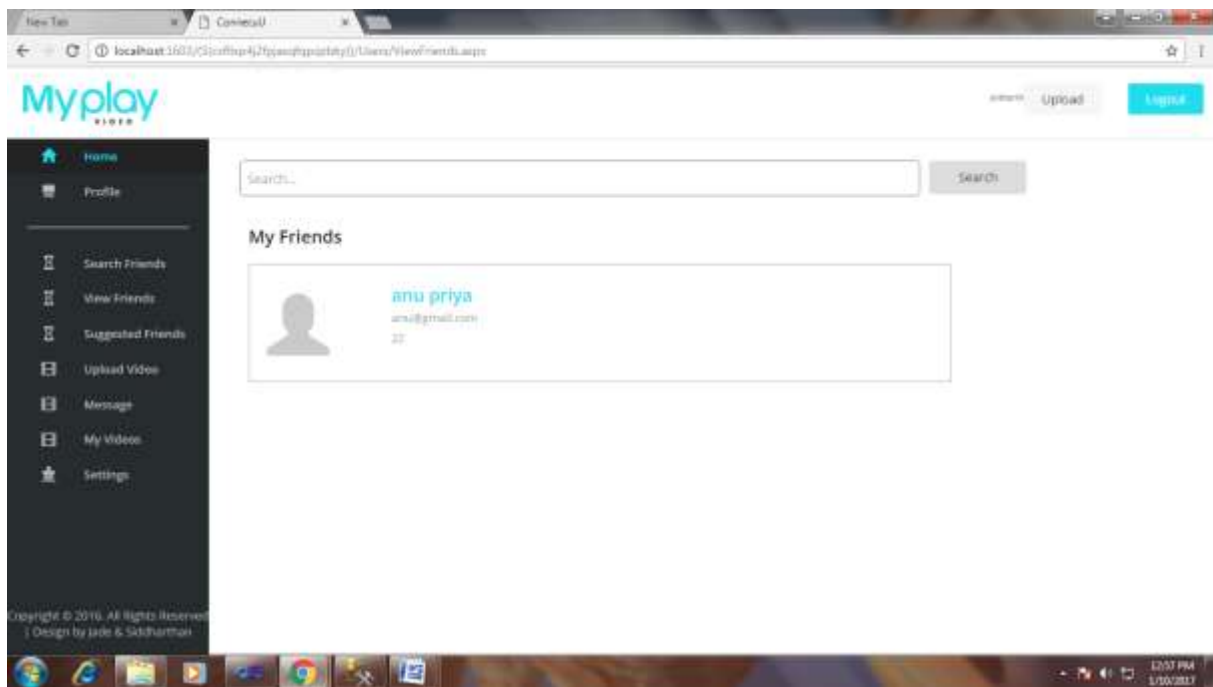
3.4Nexus Tip Modules

Link prediction is closely related to the problem of collaborative filtering. From the perspective of graph mining, link prediction is to mine the interaction between nodes in uni-partite networks and collaborative filtering is to mine the interaction between two types of nodes in bipartite networks. In the field of recommendation the current studies on cold-start problem mainly focus on in-cooperating additional attributes or contents from the profile of entities.

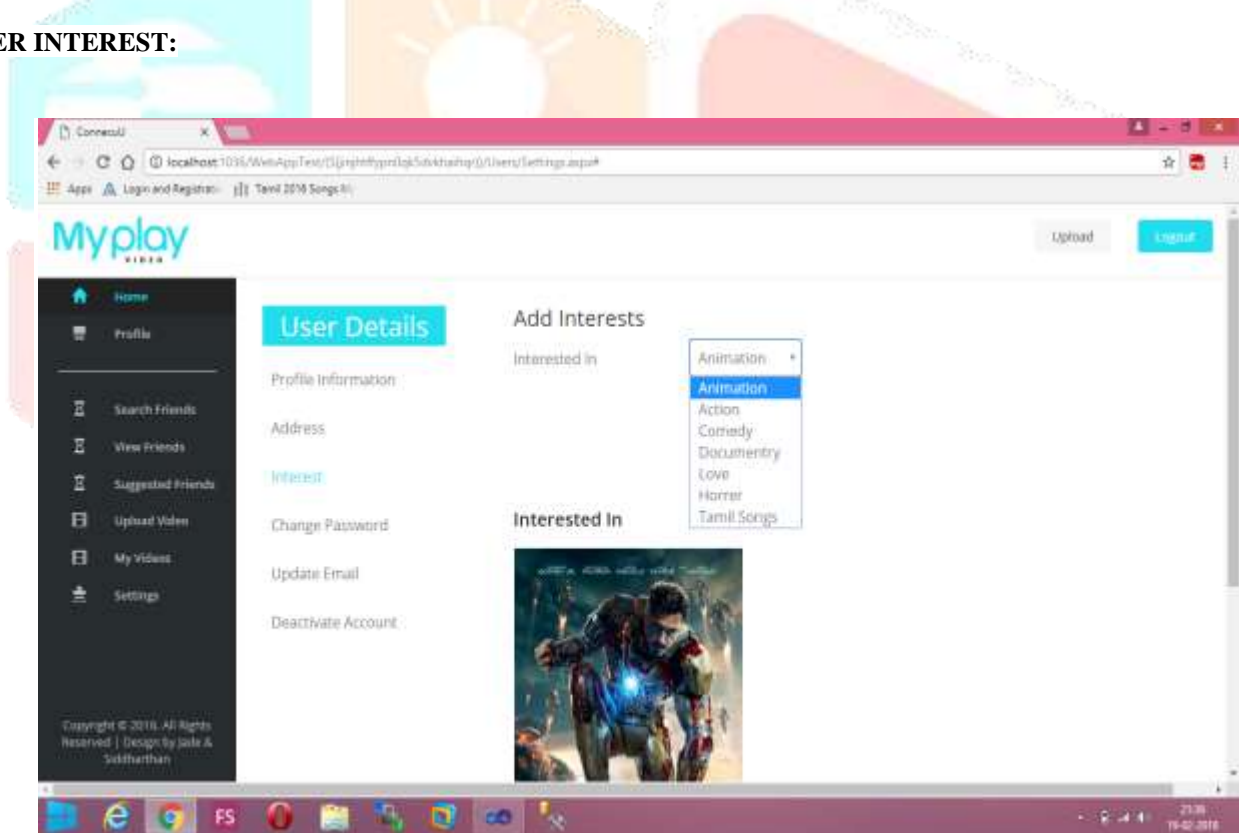


3.5Directive Modules(User Interest)

Before messaging user should login with provided username and password. The user can chat as usual like social media. The user can share the information regarding to their interest and also they can share the videos.



USER INTEREST:



SYSTEM REQUIREMENT SPECIFICATIONS

Hardware Requirements:

- PIV 2.8 GHz Processor and Above
- RAM 512MB and Above

- HDD 40 GB Hard Disk Space and Above

Software Requirements:

- WINDOWS OS (7 /XP / 2003 Server)
- Visual Studio .Net 2010 Enterprise Edition
- Visual Studio .Net Framework (Minimal for Deployment) version 4.0
- SQL Server 2005

IV. PROPOSED METHOD

- In this paper we proposed
- Hierarchical structure which helps to predict the missing links in networks.
- Link prediction based on sub-graph evolution in dynamic social networks.
- Link prediction via matrix factorization.
- A semantic based friend recommendation system for social networks.
- By using cold-start recommendation method In social network there may be several user to find the common relation between them and suggest the users pointing to that relation in a effective manner.

V. ADVANTAGES OF PROPOSED METHOD

- In this proposal the connection between existing user and new user will be very effective.
- It fills the connections between nodes of existing users and cold-start users.
- It provides more information for the new users.
- It will calculate the linking possibilities between cold-start users and existing users.
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VI. CONCLUSION

In our video uploader application we use a new method called the Cold Start Link prediction. The main goal of our application is to develop a friend circle module, before that user should Sign In, once the user registered in our application. The user can login with his/her own email and password, the user can give request and accept the friend request. As user interest they can upload video, if the same interest matches with another friend, user will automatically link prediction over the user selected field of interest.

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