Intranet Chatting System

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Abstract – This Project Entitled as 'Intranet Chatting System' is basically used for chatting purpose with the remote clients or users on Intranet or local networks. Here in this project a Php client / server combination with backend as MongoDB is used to chat with remote users. When a Client wants to chat with a user on a remote host, he sends a request to the Server with an identification name like chat-id, the server responds to the request by identifying the client-id which is already registered in the server domain and when matched his request is granted and the client can begin to chat with the remote users present on the Intranet or local network. The power of Intranet is such that it integrates together interconnection located across diverse software and hardware forms into a single large communication network that spans the networks. The client needs to have client software such as browsers to retrieve information as well as chat on the www.

MODULES INCLUDED

- Admin Module
  - Login
  - Group Creation
  - Report Generation
- User Module
  - Login
  - Messenger

SYSTEM STUDY

- In the existin system, there is no facility for transferring files between users.

  The physical LAN connections are available to have communication with others but due to some security reasons and requirements of other expensive software to manage and control the ongoing communication process was quite expensive one.
- The existing system doesn't having control over network connection so, there was a problem of data security and information mis-conduction process.
- To handle the existing system, more trained networking admin are required to configure the network to tackle problems in some critical situations

DRAWBACKS OF THE EXISTING SYSTEM

- Only two users can interact.
- There is no security in the system
- The cost of intranet is very high but has lots of advantages after implementing
- Users cannot transfer multimedia files.
- Admin cannot view the reports of chat.

PROPOSED SYSTEM

- Proposed system, additional features such as transmission of files and group chatting have been developed.
- As this new intranet chatting system has been developed in different modules, so the entire communication process is controlled by the chat server.
- Messages to particular users will be viewed and received as per their friends list and authentications.
- Using this system admin will able to get more info like complete logged details of every user including the IP address of each system.

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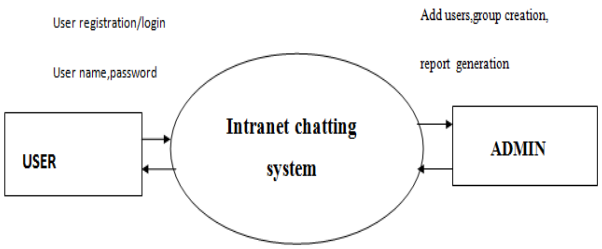
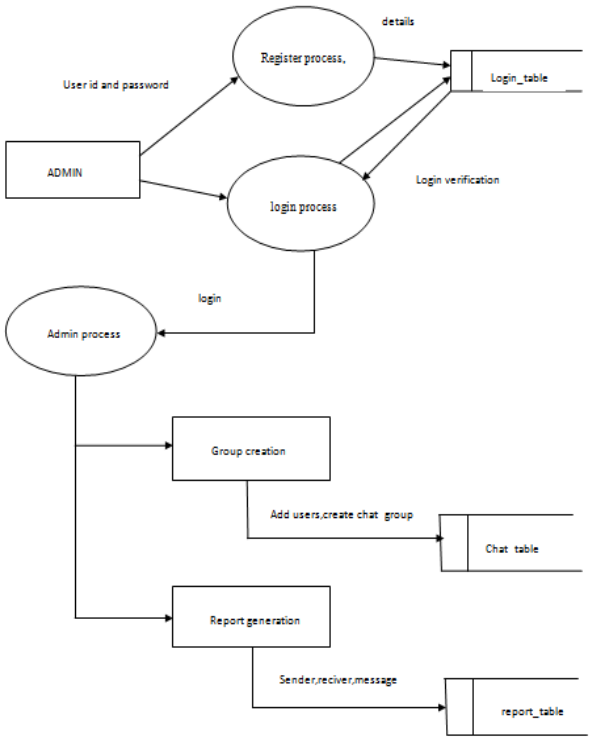
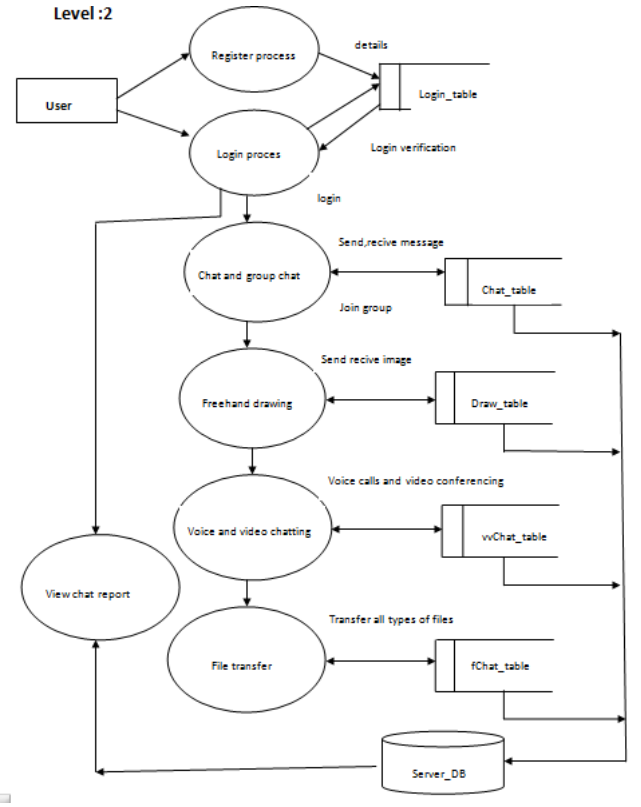
LEVEL 0:



LEVEL 1:





SCOPE FOR FUTURE ENHANCEMENT

The requirement may change when technology and time changes. This system can be enhanced in design and coding. New operations can be included in this system very easily. New modules can be included in this system with less effort. The "Intranet chatting system" has been developed to facilitate the Organization activities. In future this system can be modified to suit the new requirements. In future other facilities such as video call, voice messages can be added in this system. The coding has been done cautiously so that any developer can follow the programs easily and tailor them according to their requirements.

CONCLUSION

The system that we developed was implemented and tested with real data and were found to be error free. Also it is found the system will work successfully. We have tried to make the system maximum user friendly. System is protected from any unauthorized access by giving user name and password during login process. All the necessary validations are carried out in this project, so that any kind of users can make use of this software. It asks users to rebrowse the image and the manual for the item to be modified. This feature will be fixed in the future work. more designs and decorations should be added to the web pages to make them more attractive. It is concluded that this system is developed to overcome the drawbacks of the existing system. This can be simultaneously accessed from more than one system. Automation reduces manual entry error and date redundancy. It reduces time consumption.

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SCREEN SHORTS

Fig 1: Server Data Connectivity

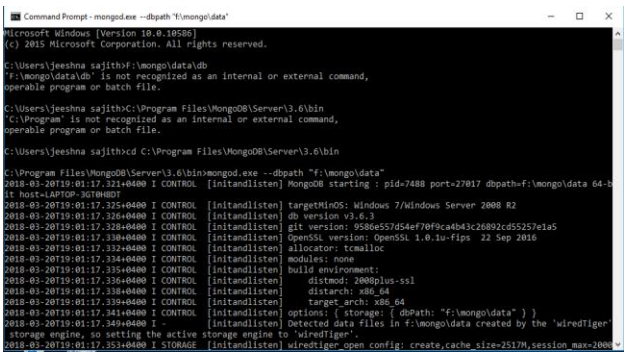

Fig 2: Login Page

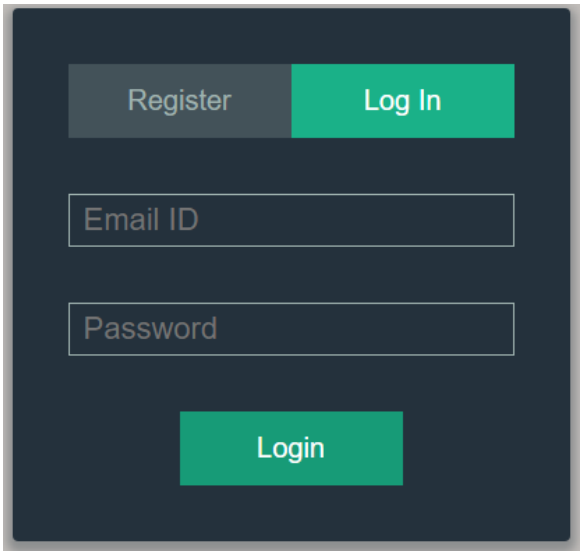

Fig 3: User Chat

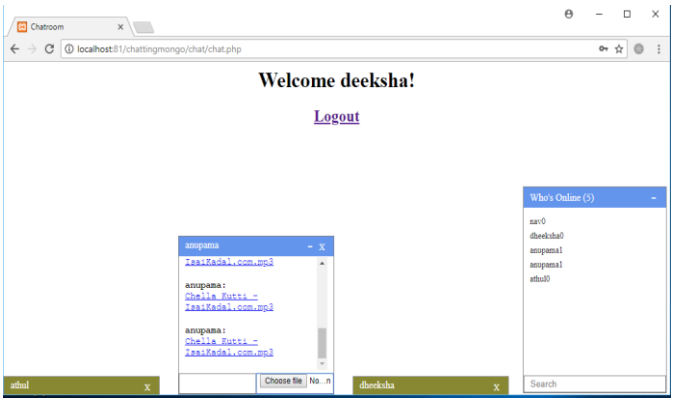

Fig 4: File Transfer and Group Chat