



Multi User Chat Application

**PRESENTED
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INTRODUCTION

- ❑ Our project is an example of chat application Which is basically based on public Chatting(message is broadcast to all connector users)
- ❑ It is made of two application .
- ❑ Client application which runs on user's pc
- ❑ Server application which runs on any pc on the network
- ❑ To start chatting client should connected to server though server should run initially.

MODULES

▣ **Server Modules :-**

- ▣ A server is a specially equipped computer connected to the internet that allows users with Chat Clients to converse with one another via typed messages in real time

▣ **Client Module :-**

- ▣ A client is a software program that allows users to connect to chat servers and communicate with other users via a chat room .

HARDWARE SPECIFICATION

- ▣ RAM – 2GB
- ▣ HARD DISK – 5GB
- ▣ PROCESSOR-INTEL PENTIUM 4
- ▣ KEYBOARD – 104 keys

SOFTWARE REQUIREMENT

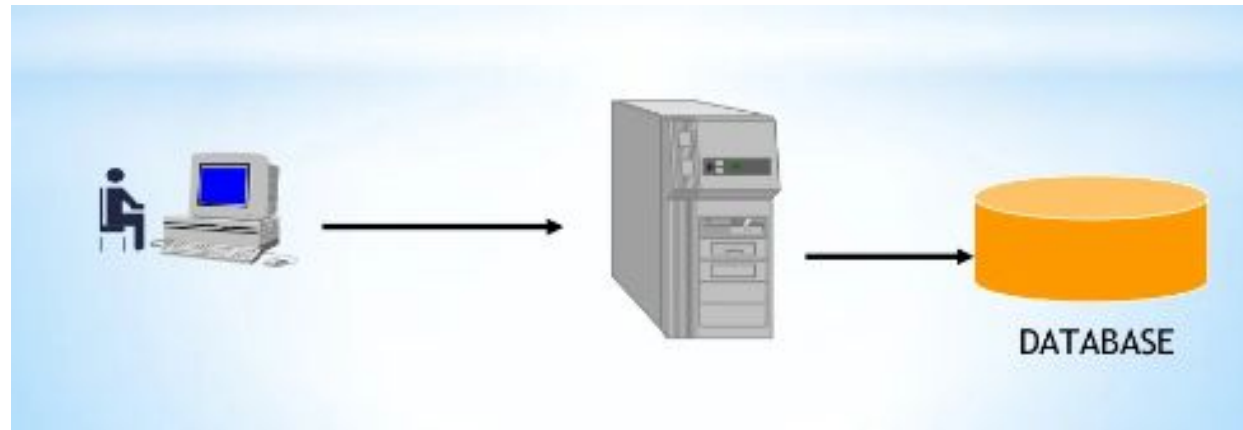
- ❑ JDK 1.8_20
- ❑ JRE 8
- ❑ WINDOWS 7
- ❑ MYSQL WORKBENCH 8.0 CE
- ❑ VISUAL STUDIO CODE
- ❑ mysql Ver 8.0.29 for Win64

FRONT END

- ▣ CORE JAVA
- ▣ JAVA SWING

BACK END

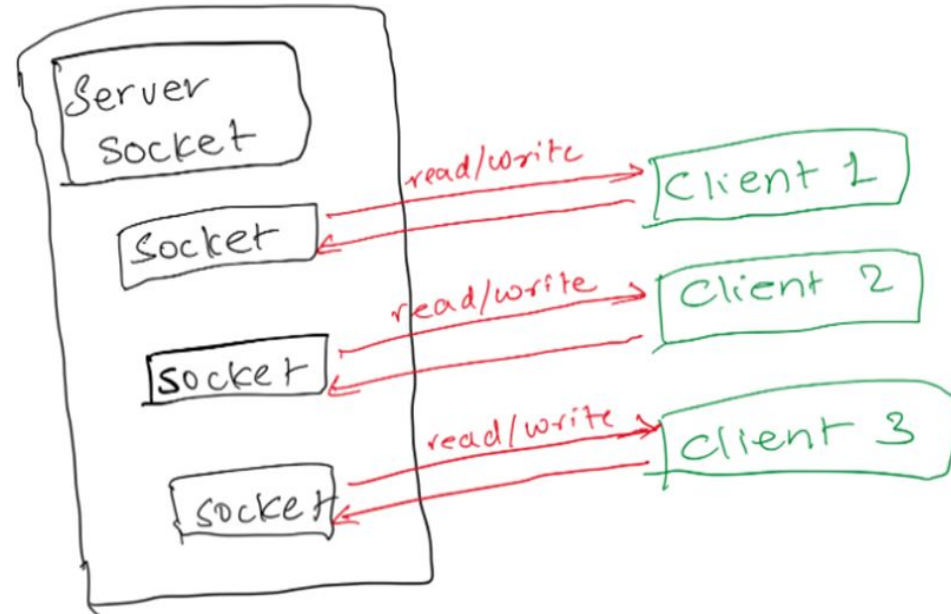
□ mysql Ver 8.0.29



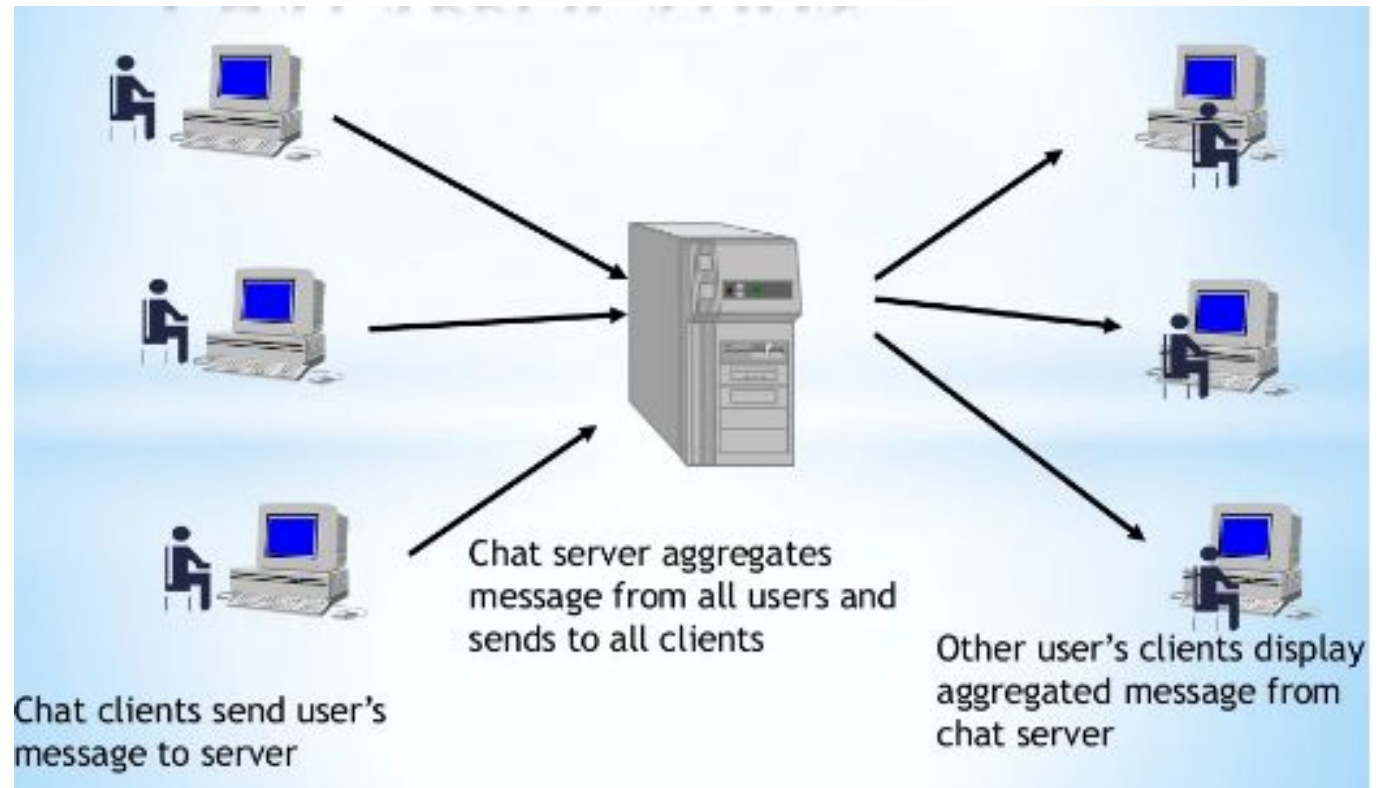
DFD



USE CASE DIAGRAM



CHAT APPLICATION



FLOW OF APPLICATION

Consists of two pages -



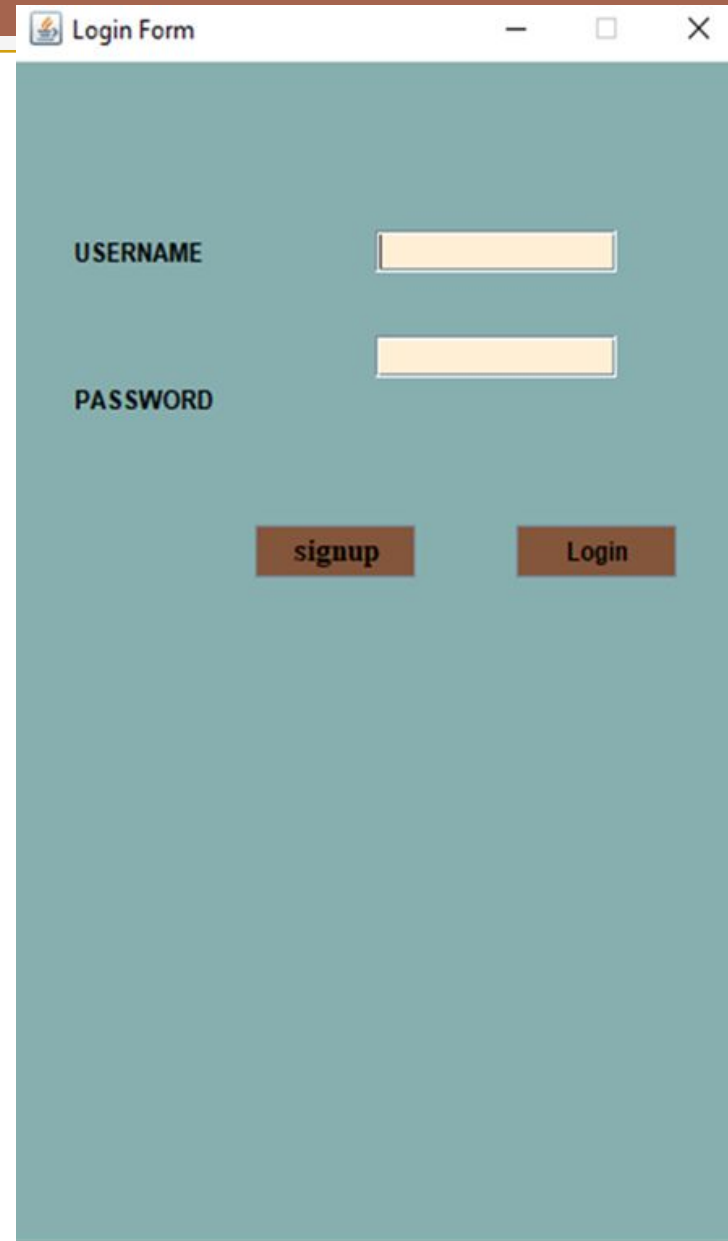
Login page of
chat Application :



**Signup page for
registration !**

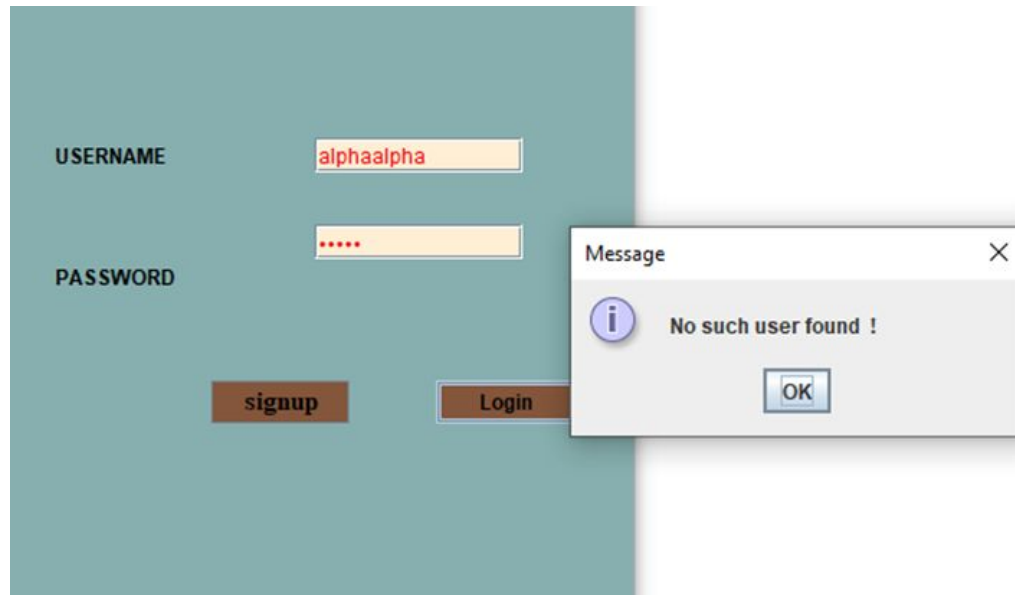
LOGIN PAGE

- ❑ Enter the valid user ID and Password then Click on Login button .
- ❑ If user is not registered then signup and register otherwise it will shows no user found .



The image shows a web browser window with the title "Login Form". The page has a teal background. It contains two input fields: one for "USERNAME" and one for "PASSWORD". Below the input fields, there are two buttons: "signup" and "Login".

VERIFICATION OF USER DURING LOGIN



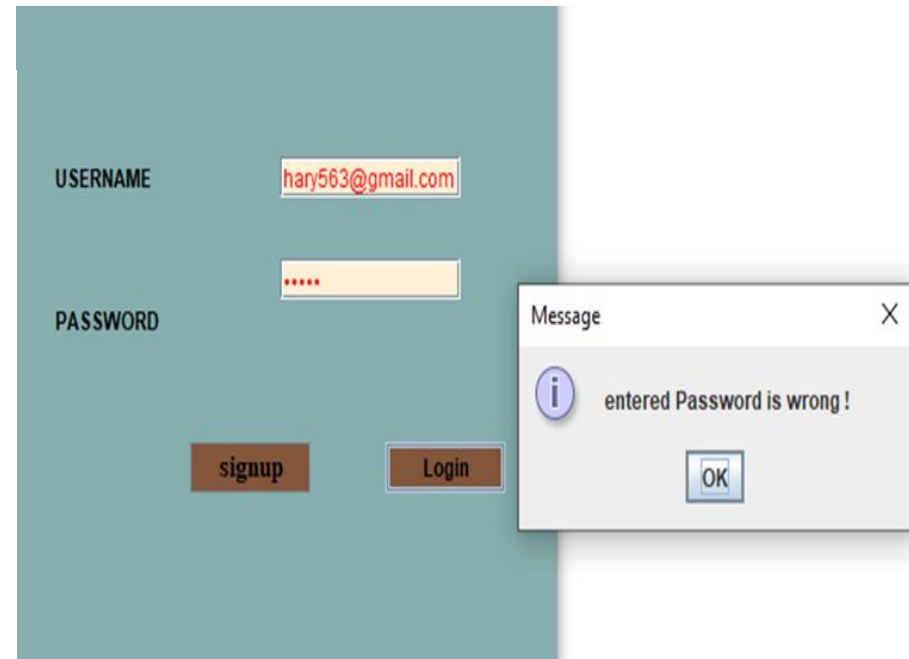
USERNAME

PASSWORD

Message

i No such user found !

**LOGIN WITH
UNREGISTERED EMAIL**



USERNAME

PASSWORD

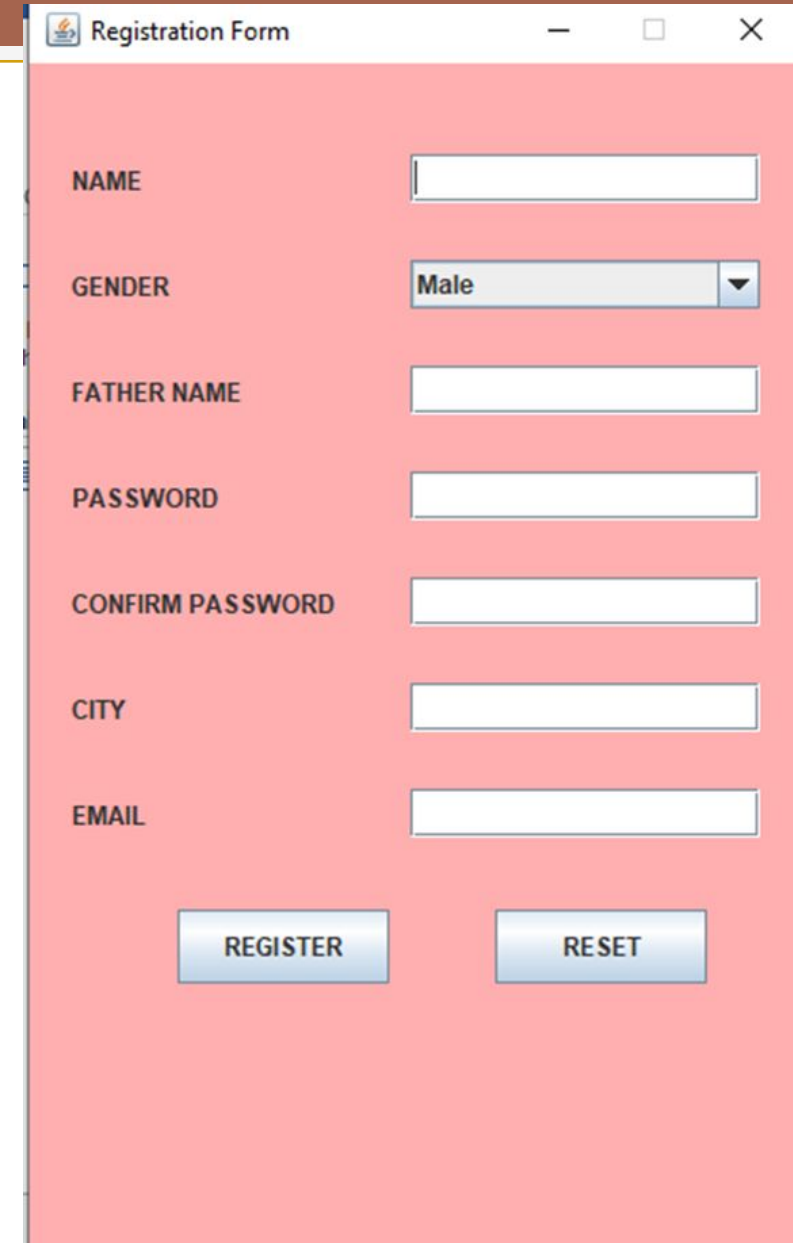
Message

i entered Password is wrong !

**LOGIN WITH REGISTERED
EMAIL AND WRONG
PASSWORD**

SIGNUP PAGE

- ▣ Here user enter all the detail according to the registration page .
- ▣ User must be enter the Valid email ID and should enter all the details ,before Clicking On register.



Registration Form

NAME

GENDER

FATHER NAME

PASSWORD

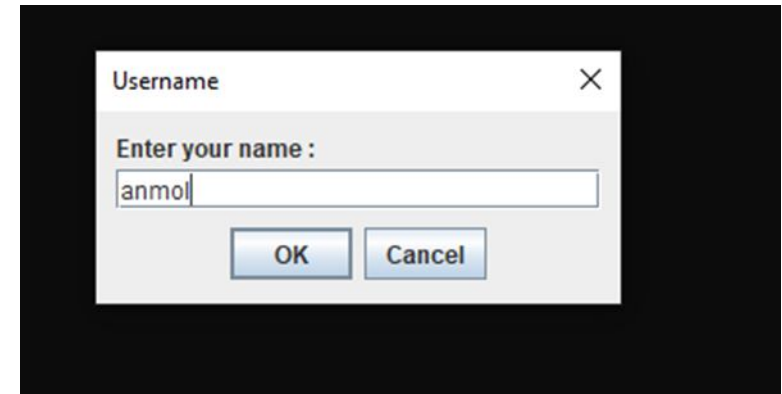
CONFIRM PASSWORD

CITY

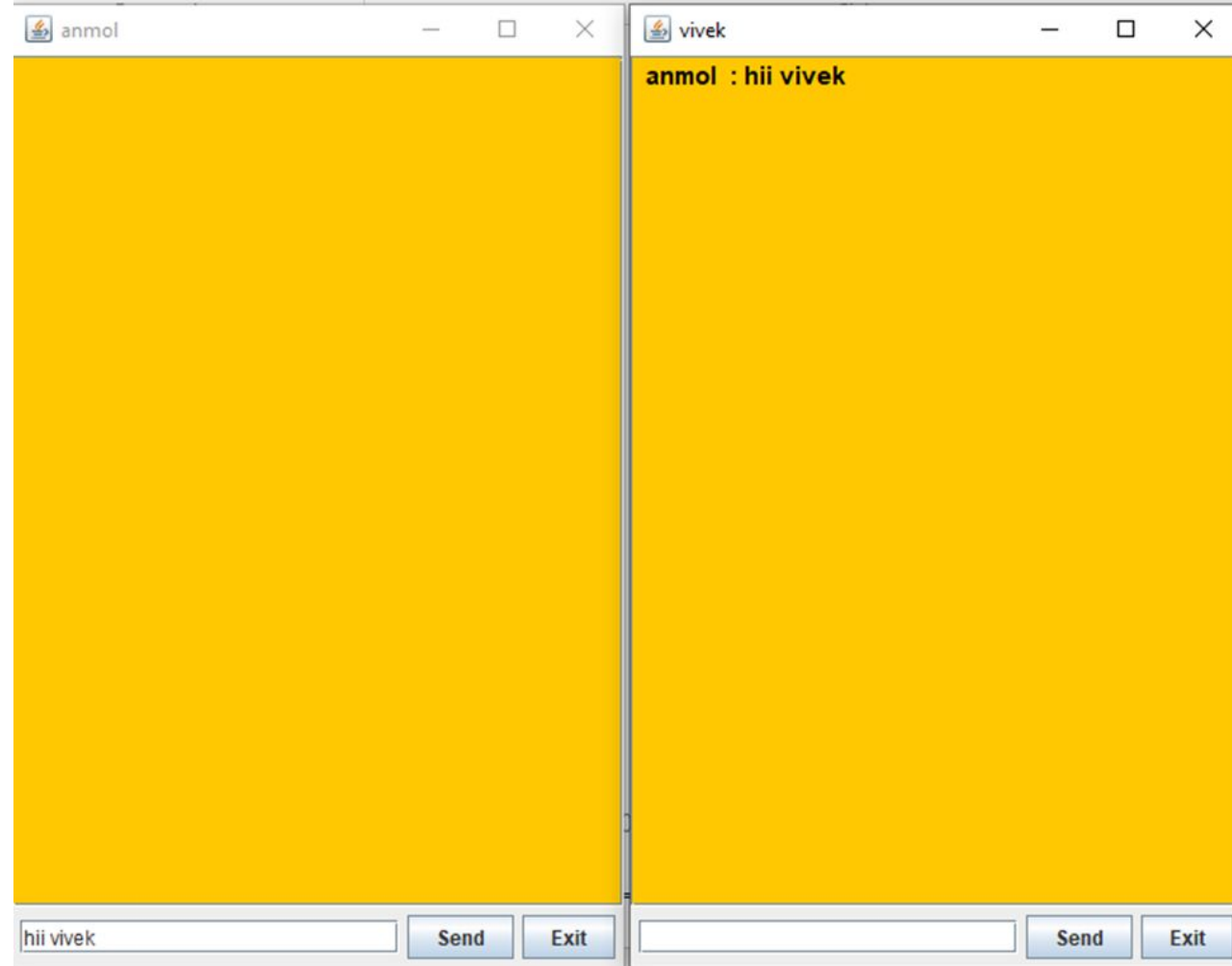
EMAIL

USER HOME PAGE

- ❑ After Successful Login to the the login page ,this kind of page open asking for name of the user !



USER'S HOME PAGE FOR CHAT



CONCLUSION AND SCOPE

- ❑ There is always a room for improvements in any software package ,however good and efficient it may be done . But the most important thing should be flexible to accept further modification Right now we are just dealing with text communication . In future this software may be extended to include features such as :
- ❑ File transfer : this will enable the user to send files of different formats to other via the Chat application .
- ❑ Voice chat : this will enhance the application to a higher level where communication will be possible via calling as in telephone
- ❑ Emojis : will allow users to send emojis over network .

 **THANK YOU**