Let's chat

Title

We students from BCT-2075 (3rd semester) group teamed up to develop a program entitled as "let's chat", as a part of our mini project for our 3rd semester under the subject Object-Oriented programming. This program aims to create conversation between users within any specific group.

Introduction

"let's chat" is a computer messenger version written in Object-Oriented programming language (C++) using GNU GCC compiler on code blocks program. This program is specially designed to create conversation between users within any specific group. It is made user friendly with multiple user compatibility.

Objectives
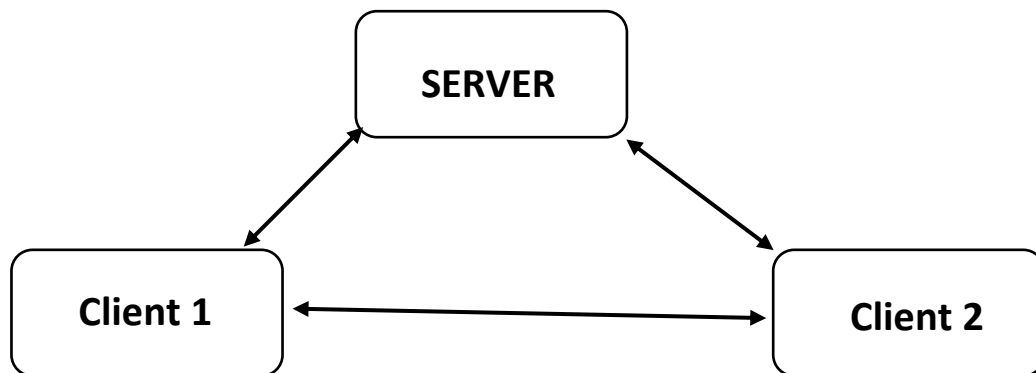
The main goals of our project are enlisted below:

➢ To apply general concept of Object-Oriented procedure to develop a efficient and real world program
➢ To use different user defined function, to break a program into many simplified parts to deal with and to make it easier to understand the codes too.
➢ To use minimum graphics as far as possible to make the program execute fast but also user-friendly side by side.
➢ To apply the SQL database concepts in order to store the user's data.
➢ To use various API (winsock2, Win32, thread, etc.) to interact with operating system (Windows).

Features

➢ User can create their own account.
➢ User can send text and image to their friends.
➢ Keep record of previous conversation.
➢ Handle multiple user at a time.
➢ User can see the list of active users and create more conversation.
➢ Is secure as information remain in local server of organization only.

Methodology

Here in this program we are going to use C++ as programming language. In this project we will be using basic data types of C++ and general object-oriented programming approach provided by C++. Several clients will be connected with a server using Winshock (for socket programming) API provided by Microsoft. For running multiple process, we will make use of thread. For GUI we will use Win32 API which is also provided Microsoft. For dealing with user's data we will make use of MySQL database.

SCOPE

➢ Beginners in computer programming can take hints via the mini project to boost up their programming techniques.
➢ Can be brought in practice in training center that offers basic programming courses

➢ Can be best choice for office as it very secure and is specified within certain group.

Group Members

1. Arbind Kumar Mehta
2. Anushka Pokharel
3. Mahesh Chandra Verma

Source of inspiration

Aims always begin with a source of inspiration. So, being inspired of the Facebook messenger, we made up our mind to develop such a program in secure version which can be a perfect match to a messenger but can be accessed only from certain group or organization.

Conclusion

Lastly, this is our proposal for what we are going to do in our mini project. Hopefully, we will try to incorporate more detailed and user interface features apart from the above mentioned points in due time. We hearty welcome any kind of suggestions that would be appropriate for the project.