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Project Description:

<u>Connecto – A client-server based chatting application</u>

The Secure Chatroom Application is a client-server-based chat system built in C++ that enables multiple users to communicate securely. The server supports secure communication using Socket Connection, ensuring all messages and user credentials are encrypted in transit. The application allows users to create accounts, authenticate, and join or create chatrooms for real-time communication.

<u>**Features**</u>

1. Secure Communication using encryption
2. User Authentication (Hashing)
   Sign Up
   Login
3. Chatroom Management
4. Message Broadcasting
5. Online availability checking
6. Command-Based User Interface
7. Persistent Chatrooms- Chatroom Data Stored in a database

Languages or Tools to be used:

Programming Languages : C & C++
Tools   : Winsock2 (Windows, SFML

Supervisor's Name: <u>Dr Md. Nurul Ahad Tawhid</u>

Signature of the supervisor:_____

Date: _____

Before the Midterm Presentation:

I confirm that the progress is satisfactory and I am forwarding it for midterm presentation.

Signature of the supervisor:_____

Date: _____

Midterm Presentation Feedback: