-Step 1: create the database

-Step 2: create the sign up function:

2.1: create the client:

- ui

- Client with socket class to send and receive sign up messages

2.2: create the client

- Server with ClientHandlers to receive, process, save to database and send back messages

-step 3: create the single chat function:

3.1: create the client:

- ui: ChatHomeFrm with option: single chat, group chat

-> User click on single chat option(functions: client: getSingleChatRooms(int userID), server: getSingleChatRooms(int userID)

-> SingleChatRoomsFrm: a search-for-user button and 1 table of rooms(clickable) that user created last times: id, user name, full name(of the rest person in the room), onlineStatus(of the rest person in the room)

-> User click on search button (functions: client: getALLUsers() server: getAllUsers())

-> SearchUserForSingleChatFrm appear with 1 textfield, 1 search button (functions: client: getUsersByName(String keyword), server:getUsersByName(String keyword)), and 1 user table: id, user name, fullname, online status

-> click on 1 user (function: client: getASingleChatRoom(int userId1, int userId2))

--- if the room between 2 user existed( function: server checkSingleRoomExisted(int userId1, int userId 2)) then function : server getASingleChatRoom(int userId1, int userId2))

--- if the room betwwen 2 user is not existed then function : server createASingleChatRoom(int userId1, int userId2)

-> SingleChatFrm: 2 text field, 1 send button

Còn phải làm: lấy message lên từ db hiển thị lên (input là room id)

Send message đi (input là room id, message)