# USER MANUAL: Running the C++ Project:

1. Navigate to your lamp server and run docker start lamp-server

Text

Description automatically generated

1. Open QT and load the .pro files for the server and the client:

Graphical user interface, application

Description automatically generated

Graphical user interface

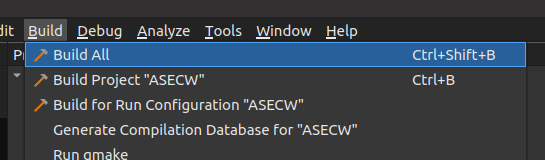
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1. Click Build and Clean All

Graphical user interface, text, application

Description automatically generated

1. Click Build and Build All



1. This should run through and successfully build the projects.
2. Right click the server project and click run

Graphical user interface, application

Description automatically generated

1. This will run the server and start it listening for connections

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1. Right click the ASECW project and run

Graphical user interface, application

Description automatically generated

1. This will run the client and open the login screen

Graphical user interface, application

Description automatically generated

1. Click Register button to take you to the registration screen

Graphical user interface, application

Description automatically generated

1. Fill in your details and click register, if the registration is successful, you will be notified

Graphical user interface, application, chat or text message

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1. Successful registration takes you back to the login screen, enter your username and password to log in

Graphical user interface, text, application

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1. This takes you to the message screen, on the left you will see your contacts, a new account will have nothing listed here.
2. To add contacts based in the search bar at the top of the screen enter the username of a user or leave it blank to return all registered users and click search
3. This will take you to the search results page and list the search results from the server (it will not show your own user in the search results)

Graphical user interface, application

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1. Click on the user that you want to add (this will highlight their row) as a contact and click the Add Contact button

A computer screen capture

Description automatically generated with medium confidence

1. This will add the contact to you userlist

A computer screen capture

Description automatically generated with medium confidence

1. Click on the username in the contacts list and it will take you to their messages page

Graphical user interface, text

Description automatically generated

1. If you have message history with the user it will display in the message screen prefixed with who the message is from

Graphical user interface, text, application

Description automatically generated

1. To create a group chat control click on several of the users in your contacts list in order to highlight everyone you want to add to the chat
2. Click the Create Group Chat button to create a group chat between the selected users

Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application

Description automatically generated

1. If there is a chat history once again it will load in the message screen

Graphical user interface, application

Description automatically generated

1. To send a message to the group just type into the message box at the bottom of the screen
2. Click send and if the other users are online the message will appear in their window otherwise it will appear when they login next and select the chat

Graphical user interface, application

Description automatically generated

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1. Once you are done with your session go to the Update User tab and select Logout
2. This will update the database to signal that your account is logged out and close the application

Graphical user interface

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