

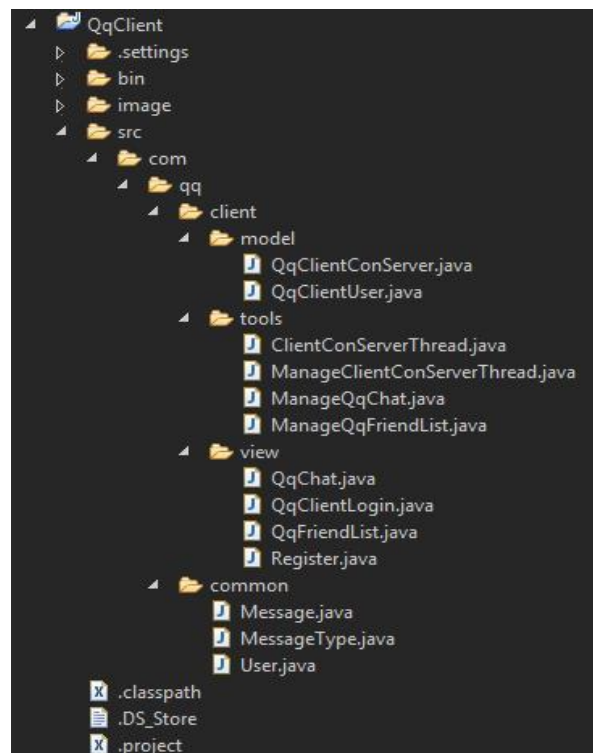
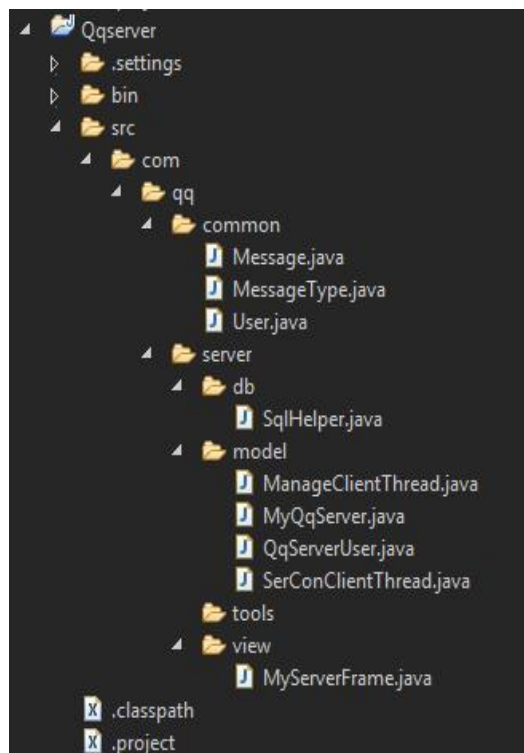
How to run?

Environment:

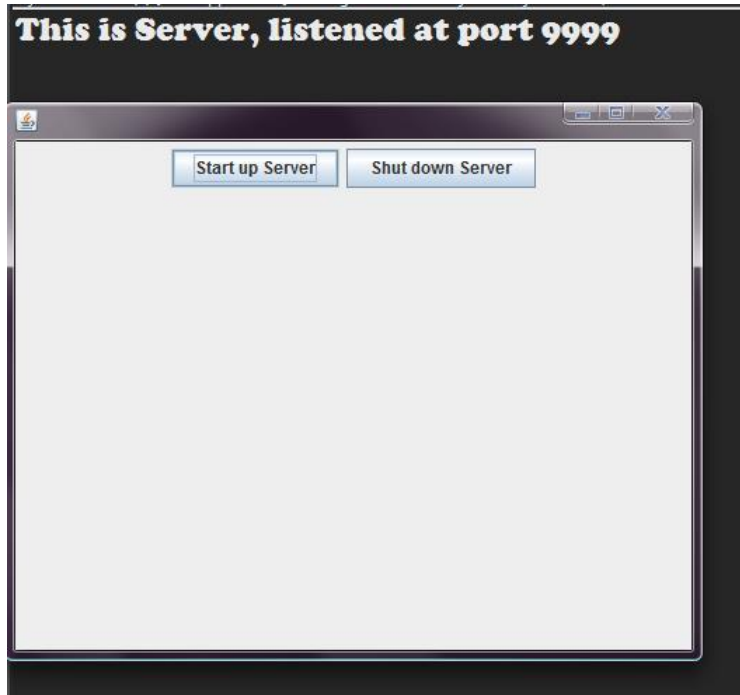
JVM is required, also the database is using SQLServer and the connection address is bound to localhost, therefore in case to run the program in a standalone version, OS should be Windows and SQLServer is also required.

Steps:

1. First of all, download the source code folder and unzip it. It will show two projects—Qqserver and QqClient. The hierarchy is as below:



2. Before logging the client end, start the server is required. To do it, run the Qqserver as Java application. Then click “Start up Server”. Now the Server is running.



3. After starting the Server, run QqClient project as Java application. The main class of client-end is in QqClientLogin.java. After running the project, it will be appeared as below:



4. If it is the first time try to login, it is necessary to Sign Up, so just click Sign Up icon. Fill in the form. QQ Number is only allowed in a range from 10001 to 10100. Sex is only accepted 'M' or 'F'. After filling the form, click 'Enter', if everything is alright, a Login Succeed window will be prompted.



The image shows two overlapping windows from the QQ application. The top window, titled "QQ User Sign up", contains a form with the following fields and values:

Field	Value
QQ Number	10002
Nickname	rush
Sex	M
Password	****
PW Verification	****

At the bottom of the form are two buttons: "Enter" and "Reset". Below this window is a smaller "Login Succeed" message box with an information icon and a button labeled "确定" (Confirm).

5. After signing up, remember the QQ Number and QQ Password, then just login.

6. To test the project, you can sign up and login twice with different QQ number in order to have a nice check. For example, I signed up and logged in with a QQ number 10002 as well as 10012, then I can see these two QQ users are highlighted, means they are currently online. Therefore, it's able to chat between the two users through the Socket.

