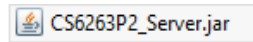
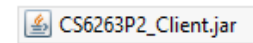


## Instructions

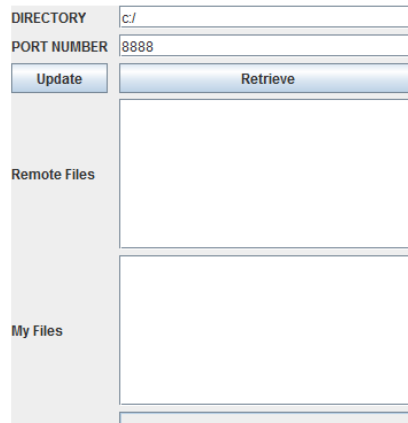
1. On a computer execute the CS6263P2\_Server.jar



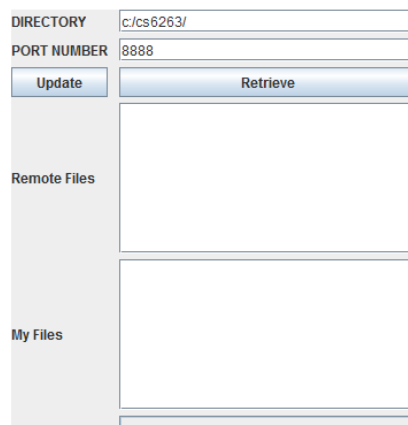
2. On a computer(can be the same one at this point) execute the CS6263P2\_Client.jar



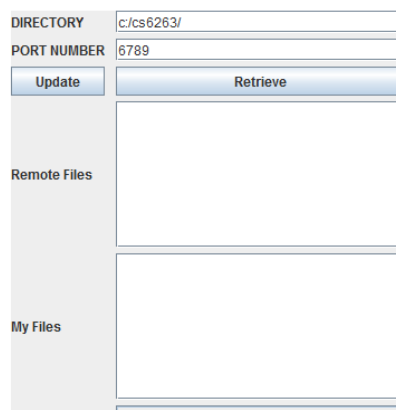
3. Wait for the client gui to open

The screenshot shows the initial state of the client GUI. At the top, there are two text input fields: 'DIRECTORY' containing 'c/' and 'PORT NUMBER' containing '8888'. Below these are two buttons: 'Update' and 'Retrieve'. The main area is divided into two sections: 'Remote Files' and 'My Files', each with a large empty rectangular box for displaying file lists. At the bottom, there is a small empty rectangular box.

4. Choose a Directory that you have write permissions to (be sure to use forward slashes)

The screenshot shows the client GUI after the directory has been updated. The 'DIRECTORY' field now contains 'c:/cs6263/'. The 'PORT NUMBER' field remains '8888'. The 'Update' and 'Retrieve' buttons are still present. The 'Remote Files' and 'My Files' sections are still empty, as no files have been retrieved yet.

5. Choose a port number.

The screenshot shows the client GUI after the port number has been updated. The 'DIRECTORY' field remains 'c:/cs6263/'. The 'PORT NUMBER' field now contains '6789'. The 'Update' and 'Retrieve' buttons are still present. The 'Remote Files' and 'My Files' sections are still empty.

- Click the UPDATE button. The client will now tell the server all files that are in the directory you specified, and then give you a list of files that other clients have that you don't.

DIRECTORY	c:/cs6263/
PORT NUMBER	6789
<div>Update</div> <div>Retrieve</div>	
Remote Files	VC_RED.MSI (WS2_Ch3) Wireshark_TCP.pdf attachments.zip installer_r22.6-windows.exe Navigating SPSU slides 2.ppt s14_WS3_Wireshark_IP.pdf Alex_Ryder_WS_TCP.pdf
My Files	Autodesk_3ds_Max_2012_English_Win_3 bob.txt cvo.txt gob.txt hob.txt nob.txt

- On another computer execute the CS6263P2\_Client.jar
- Wait for the client gui to open
- Choose a Directory that you have write permissions to (be sure to use forward slashes)
- Choose a port number.
- Click the UPDATE button. The client will now tell the server all files that are in the directory you specified, and then give you a list of files that other clients have that you don't. (notice now the list shows files that were on the first computer)
- Click update on the first client, you will now see a list of files on the second client.
- Select a file in the top list, this is a file you don't have.
- Click Retrieve button.

DIRECTORY	c:/cs6263/
PORT NUMBER	6789
<div>Update</div> <div>Retrieve</div>	
Remote Files	Navigating SPSU slides 2.ppt s14_WS3_Wireshark_IP.pdf Alex_Ryder_WS_TCP.pdf jdk-7u51-windows-x64.exe desktop.ini s14_CN_SocketProg_Set2.docx (WS2_Ch3) Wireshark_TCP (1).pdf
My Files	Autodesk_3ds_Max_2012_English_Win_3 bob.txt cvo.txt gob.txt hob.txt nob.txt

- A progress bar will indicate how much data is left to transfer.
- When complete the gui will show that you now have that file, and it automatically ran the update function again.