Starting point for Distributed Computing Project

1. Do exercise 4 in the Lab in week 4 – the EchoServer3 program

Echo Server3 echoes back a text string to a connected client. This is done in the EchoServerThread code.

Once it is working change the client to send up one of these four messages:

“100 LOGIN Peter Password”

“101 UPLOAD this is a short message”

“102 DOWNLOAD”

“103 LOGOFF”

Initially the server just sends them back again.

Now write an if statement in EchoServerThread to identify the different messages – possibly by the code numbers: 100,101,102,102 – this will require a little string parsing to find the code number at the start of the string

// get code number from message

If(code=100)

// take the username from the message an put it in a vector/array

// return an OK message to the client e.g. “200 OK”

If(code=101)  
 //take the message and store it in a different vector/array

Return “200 OK” to client

If(code=102)

// get a message from vector and return it to the client

If(code=103)

// delete username from first vector

// return “200 OK”

That is in effect what I am asking you to do – this is how protocols work.

Complete the documentation