Charlie Ang

June 5, 2016

CSC 3350

Lab 6 Summary Report

**Instructions for running the lab:**

* Make sure SERVER.exe and CLIENT.exe are in a folder that you can run from the command line.
* Execute SERVER.exe from the command line. It will output the server host and server host number and then wait for a connection from a client.
* Execute CLIENT.exe from the command line with the server host number and the optional server host name as command arguments:

**CLIENT.exe <port number> [<server host name>]**

* You can now communicate between the server and client by messaging back and forth. To quit, just enter “exit”.

**Summary:**

This lab works very well. It initializes the socket package correctly, obtains host name and server name, creates a connection, and send/receive data efficiently. In doing this lab, I learned a ton about windows sockets. This includes learning how to initialize the socket package, getting the host name and port number of server, creating a listening socket, binding the listener, enabling the listener, accepting an incoming connection request from the client, issuing a connection request to the server, sending/receiving data, and properly closing packages. Additionally, I learned how to create multiple projects in Visual Studio. All in all, this was a great learning experience.