using System;

using System.CodeDom;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Net;

using System.Net.Http.Headers;

using System.Net.Sockets;

using System.Text;

using System.Threading.Tasks;

namespace ServerSideTspListener

{

public class Program

{

static TcpListener listener = null;

static BinaryWriter bw = null;

static BinaryReader br = null;

public static List<TcpClient> Clients { get; set; }

static void Main(string[] args)

{

Clients = new List<TcpClient>();

var ip = IPAddress.Parse("10.2.13.15");

var port = 27001;

var ep = new IPEndPoint(ip, port);

listener = new TcpListener(ep);

listener.Start();

Console.WriteLine($"Listening on {listener.LocalEndpoint}");

while (true)

{

var client = listener.AcceptTcpClient();

Clients.Add(client);

Console.WriteLine($"{client.Client.RemoteEndPoint}");

Task.Run(() =>

{

var reader = Task.Run(() =>

{

foreach (var item in Clients)

{

Task.Run(() =>

{

var stream = item.GetStream();

br = new BinaryReader(stream);

while (true)

{

try

{

var msg = br.ReadString();

Console.WriteLine($"CLIENT : {client.Client.RemoteEndPoint} : {msg}");

}

catch (Exception ex)

{

Console.WriteLine($"{item.Client.RemoteEndPoint} disconnected");

Clients.Remove(item);

}

}

}).Wait(50);

}

//var stream = client.GetStream();

//br = new BinaryReader(stream);

//while (true)

//{

// var msg = br.ReadString();

// Console.WriteLine($"CLIENT : {client.Client.RemoteEndPoint} : {msg}");

//}

});

var writer = Task.Run(() =>

{

//var stream = client.GetStream();

//bw= new BinaryWriter(stream);

//while (true)

//{

// var msg = Console.ReadLine();

// bw.Write(msg);

//}

while (true)

{

var msg = Console.ReadLine();

foreach (var item in Clients)

{

var stream = item.GetStream();

bw = new BinaryWriter(stream);

bw.Write(msg);

}

foreach (var item in Clients)

{

if (item.Connected)

{

Console.ForegroundColor = ConsoleColor.Green;

}

else

{

Console.ForegroundColor = ConsoleColor.Red;

}

Console.WriteLine($"item : {item.Client.RemoteEndPoint}");

Console.ResetColor();

}

}

});

});

}

}

}

}