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using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using System.Net.Sockets;
using System.Net;

namespace ClientUDPMMSG
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        public delegate void ShowMessage(string Message);

        public void Show(string Message)
        {
            if (lstReceive.InvokeRequired)
            {
                ShowMessage message = new ShowMessage(Show);
                lstReceive.Invoke(message, new object[] { Message
});
                return;
            }
            lstReceive.Items.Add(Message);

            private void btnSend_Click(object sender, EventArgs e)
            {
                if (txtIP.Text.Trim().Length == 0)
                    MessageBox.Show("Vui lòng nhập vào địa chỉ IP
!");
                else
                {
                    UdpClient udpClient = new UdpClient();

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        udpClient.Connect(txtIP.Text,
int.Parse(txtPort.Text));
        if (txtMessage.Text.Trim().Length == 0)
            txtMessage.Text = "Bạn hãy nhập vào thông
điệp ...";
        else
        {
            Byte[] sendBytes =
Encoding.Unicode.GetBytes(txtMessage.Text);
            udpClient.Send(sendBytes, sendBytes.Length);
            IPEndPoint remote = new
IPEndPoint(IPAddress.Parse(txtIP.Text), int.Parse(txtPort.Text));
            Byte[] receivedBytes = udpClient.Receive(ref
remote);

            string message =
Encoding.Unicode.GetString(receivedBytes);
            Show("Nhận thông điệp từ -> " +
remote.Address.ToString() + " : " + message);
            txtMessage.Text = "";
        }
    }

    private void txtMessage_KeyPress(object sender,
KeyPressEventArgs e)
    {
        if (e.KeyChar == (char)13)
            btnSend_Click(sender, e);
    }

    private void lstReceive_SelectedIndexChanged(object
sender, EventArgs e)
    {
        if (lstReceive.SelectedItem != null)
            txtResult.Text =
lstReceive.SelectedItem.ToString();
    }
}
}

```