

POP3_CLIENT:

```
class Pop3 : Form
{
    public Pop3()
    {
        InitializeComponent();
    }
    private TcpClient mailclient;
    private NetworkStream ns;
    private StreamReader sr;
    private StreamWriter sw;

    void loginandretr()
    {
        string response;
        string from = null;
        string subject = null;
        int totmessages;
        try
        {
            mailclient = new TcpClient(txtHost.Text, 110);
        }
        catch (SocketException)
        {
            txtSta.Text = "Unable to connect to server";
            return;
        }
        ns = mailclient.GetStream();
        sr = new StreamReader(ns);
        sw = new StreamWriter(ns);
        response = sr.ReadLine();
        sw.WriteLine("User " + txtUser.Text);
        sw.Flush();
        response = sr.ReadLine();
        if (response.Substring(0, 3) == "-ER")
        {
            txtSta.Text = "Unable to log into server";
            return;
        }
        sw.WriteLine("Pass " + txtPass.Text);
        sw.Flush();
        try
        {
            response = sr.ReadLine();
        }
        catch (IOException)
        {
            txtSta.Text = "Unable to log into server";
            return;
        }
        if (response.Substring(0, 4) == "-ERR")
        {
            txtSta.Text = "Unable to log into server";
            return;
        }
        sw.WriteLine("stat");
    }
}
```

```

sw.Flush();
response = sr.ReadLine();
string[] nummess = response.Split(' ');
totmessages = Convert.ToInt16(nummess[1]);
if (totmessages > 0)
{
    txtSta.Text = "you have " + totmessages + " messages";
}
else
{
    txtSta.Text = "You have no messages";
}
for (int i = 1; i <= totmessages; i++)
{
    sw.WriteLine("top " + i + " 0");
    sw.Flush();
    response = sr.ReadLine();
    while (true)
    {
        response = sr.ReadLine();
        if (response == ".")
            break;
        if (response.Length > 4)
        {
            if (response.Substring(0, 5) == "From:")
                from = response;
            if (response.Substring(0, 8) == "Subject:")
                subject = response;
        }
    }
    listBox1.Items.Add(i + " " + from + " " + subject);
}
}

private void btnLogin_Click(object sender, EventArgs e)
{
    txtSta.Text = "Checking for messages...";
    Thread startlogin = new Thread(new ThreadStart(loginandretr));
    startlogin.IsBackground = true;
    startlogin.Start();
}

private void btnClose_Click(object sender, EventArgs e)
{
    if (ns != null)
    {
        sw.Close();
        sr.Close();
        ns.Close();
        mailclient.Close();
    }
    Close();
}
}

```

POP3 CLIENT

Hostname

Username

Password

Login

Close

Status