

## POP3

```
using System;
using System.Drawing;
using System.IO;
using System.Net;
using System.Net.Sockets;
using System.Text;
using System.Threading;
using System.Windows.Forms;

namespace PopMailProject
{
    public partial class Form1 : Form
    {
        public string server;
        public string username;
        public Form1()
        {
            InitializeComponent();
            ColumnHeader header1 = lstmail.Columns.Add("No.", 5 *
                Convert.ToInt32(lstmail.Font.SizeInPoints), HorizontalAlignment.Center);
            ColumnHeader header2 = lstmail.Columns.Add("From", 20 *
                Convert.ToInt32(lstmail.Font.SizeInPoints), HorizontalAlignment.Center);
            ColumnHeader header3 = lstmail.Columns.Add("To", 20 *
                Convert.ToInt32(lstmail.Font.SizeInPoints), HorizontalAlignment.Center);
            ColumnHeader header4 = lstmail.Columns.Add("Subject", 20 *
                Convert.ToInt32(lstmail.Font.SizeInPoints), HorizontalAlignment.Left);
            ColumnHeader header5 = lstmail.Columns.Add("Date", 20 *
                Convert.ToInt32(lstmail.Font.SizeInPoints), HorizontalAlignment.Left);

        }

        private void cmdexit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private TcpClient mailclient;
        private NetworkStream ns;
        private StreamReader sr;
        private StreamWriter sw;

        private void cmdlogin_Click(object sender, EventArgs e)
        {
            lblstatus.Text = "Status: Checking for messages...";
            Thread startlogin = new Thread(new
                ThreadStart(loginandretr)); startlogin.IsBackground = true;
            startlogin.Start();
            server = txtserver.Text;
            username = txtusername.Text;
        }

        void loginandretr()
        {
            string response;
            string from = "";

```

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string to = "";
string subject = "";
string date = "";

int totmessages;
try
{
    mailclient = new TcpClient(txtserver.Text, 110);
}
catch (SocketException)
{
    lblstatus.Text = "Status: Unable to connect to
server"; return;
}
ns = mailclient.GetStream();
sr = new StreamReader(ns);
sw = new StreamWriter(ns);
response = sr.ReadLine(); //Get opening POP3 banner
sw.WriteLine("User " + txtusername.Text); //Send
username sw.Flush();
response = sr.ReadLine();
if (response.Substring(0, 3) == "-ER")
{
    lblstatus.Text = "Status: Unable to log into
server"; return;
}
sw.WriteLine("Pass " + txtpassword.Text); //Send
password sw.Flush();
try
{
    response = sr.ReadLine();
}
catch (IOException)
{
    lblstatus.Text = "Status: Unable to log into
server"; return;
}
if (response.Substring(0, 4) == "-ERR")
{
    lblstatus.Text = "Status: Unable to log into
server"; return;
}
sw.WriteLine("stat"); //Send stat command to get number of
messages sw.Flush();
response = sr.ReadLine();
string[] nummess = response.Split(' ');
totmessages = Convert.ToInt16(nummess[1]);
System.Windows.Forms.Control.CheckForIllegalCrossThreadCalls = false;
if (totmessages > 0)
{
    lblstatus.Text = "Status: you have " + totmessages + " messages";
}
else
{
    lblstatus.Text = "Status: You have no messages";
}
for (int i = 1; i <= totmessages; i++)
{

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sw.WriteLine("top " + i + " 0"); //read header of each
message 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, 3) == "To:")
            to = response;
        if (response.Substring(0, 8) == "Subject:")
            subject = response;
        if (response.Substring(0, 5) == "Date:")
            date = response;
    }
}
if (from != "")
{
    string[] myItems = new string[]
    {
        i + "",
        from + " ",
        to + " ",
        subject + "",
        date + ""
    };

    ListViewItem lvi = new ListViewItem(myItems);
    lstmail.Items.Add(lvi);
}

}
}

```

```

private void cdmsendmail_Click(object sender, EventArgs e)
{
    this.Visible = false;
    SMTP f2 = new
    SMTP(txtserver.Text,txtusername.Text); f2.Show();
}

```

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    }

    private void lstmail_SelectedIndexChanged(object sender, EventArgs e)
    {
        if (lstmail.SelectedItems.Count > 0)
        {
            ListViewItem lstItem = lstmail.SelectedItems[0];
            lblfrom.Text = lstItem.SubItems[1].Text;
            lblto.Text = lstItem.SubItems[2].Text;
            lblsubject.Text = lstItem.SubItems[3].Text;
            ShowMessage(lstItem.Text);

        }
    }

    public void ShowMessage(string messnumber)
    {
        StreamReader sr = new StreamReader(ns);
        StreamWriter sw = new StreamWriter(ns);
        string response;
        sw.WriteLine("retr " + messnumber); //Retrieve entire
        message sw.Flush();
        response = sr.ReadLine();
        while (true)
        {
            response = sr.ReadLine();
            if (response == ".")
                break;
            txtbody.Text += response + "\r\n";
        }
    }

}
}

```

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## SMTP

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Web.Mail;
using System.Drawing;
using System.Text;
using System.Windows.Forms;

namespace PopMailProject
{
    public partial class SMTP : Form
    {
        public string f2server;
        public string f2username;
        Form1 server = new Form1();
        public SMTP(string server,string username)
    }
}

```

```

{
    InitializeComponent();
    f2server = server;
    f2username = username;
    txtfrom.Text = username;
}

private void cmdexit_Click(object sender, EventArgs e)
{
    this.Visible = false;
    Form1 f1 = new Form1();
    f1.Show();
}

private void cmdattach_Click(object sender, EventArgs e)
{
    string dir;
    OpenFileDialog op = new OpenFileDialog();
    op.ShowDialog();
    dir = op.FileName;
    txtattach.Text = dir;
}

private void cmdsend_Click(object sender, EventArgs e)
{
    MailAttachment myattach = new
MailAttachment(txtattach.Text, MailEncoding.Base64);
    MailMessage newmessage = new MailMessage();
    newmessage.From = txtfrom.Text;
    newmessage.To = txtto.Text;
    if (txtcc.Text != "")
    {
        newmessage.Cc = txtcc.Text;
    }

    newmessage.Subject = txtsubject.Text;
    newmessage.Priority = MailPriority.High;
    newmessage.Attachments.Add(myattach);
    newmessage.Body = txtbody.Text;
    try
    {
        SmtpMail.SmtpServer = f2server;
        SmtpMail.Send(newmessage);
        lblstatus.Text = "Send mail successful!";
    }
    catch (System.Web.HttpException)
    {
        lblstatus.Text="Error send mail !!!";
    }

    txtto.Text = "";
    txtcc.Text = "";
    txtattach.Text = "";
    txtsubject.Text = "";
    txtbody.Text = "";
}

```

}

}

}