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import java.awt.BorderLayout;
import java.awt.Button;
import java.awt.FlowLayout;
import java.awt.Frame;
import java.awt.GridLayout;
import java.awt.Label;
import java.awt.Panel;
import java.awt.TextArea;
import java.awt.TextField;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.event.WindowAdapter;
import java.awt.event.WindowEvent;
import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.io.PrintWriter;
import java.net.Socket;

/*import the packages needed for email and gui support*/

/* This class defines methods that display the gui and handle the sending of
   mails to the Mail server. */

public class SMTP extends WindowAdapter implements ActionListener
{
    private Button sendBut = new Button("Send Message");

    private Label fromLabel = new Label("    From : ");
    private Label toLabel = new Label("    To : ");
    private Label hostLabel = new Label("Host Name : ");
    private Label subLabel = new Label("    Subject : ");

    private TextField fromTxt = new TextField(25);
    private TextField toTxt = new TextField(25);
    private TextField subTxt = new TextField(25);
    private TextField hostTxt = new TextField(25);

    private TextArea msgTxt = new TextArea();

    private Frame clientFrame = new Frame("SMTP Client");

    public SMTP()
    {
        clientFrame.setLayout(new GridLayout(2,1));

        Panel p1 = new Panel();
        p1.setLayout(new GridLayout(4,1));

        Panel p11 = new Panel();
        p11.setLayout(new FlowLayout());
        p11.add(hostLabel);
        p11.add(hostTxt);

        Panel p12 = new Panel();
        p12.setLayout(new FlowLayout());
        p12.add(fromLabel);

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        p12.add(fromTxt);

        Panel p13 = new Panel();
        p13.setLayout(new FlowLayout());
        p13.add(toLabel);
        p13.add(toTxt);

        Panel p14 = new Panel();
        p14.setLayout(new FlowLayout());
        p14.add(subLabel);
        p14.add(subTxt);
        p1.add(p11);
        p1.add(p12);
        p1.add(p13);
        p1.add(p14);

        Panel p2 = new Panel();
        p2.setLayout(new BorderLayout());
        p2.add(msgTxt,BorderLayout.CENTER);

        Panel p21 = new Panel();
        p21.setLayout(new FlowLayout());
        p21.add(sendBut);
        p2.add(p21,BorderLayout.SOUTH);

        clientFrame.add(p1);
        clientFrame.add(p2);
        clientFrame.setSize(400,500);
        clientFrame.setVisible(true);

        clientFrame.addWindowListener(this);
        sendBut.addActionListener(this);
    }

    public void windowClosing(WindowEvent we)
    {
        clientFrame.setVisible(false);
        System.exit(1);
    }

    public void actionPerformed(ActionEvent ae)
    {
        try
        {
            Socket s=new Socket(hostTxt.getText(),25);
            BufferedReader br=new BufferedReader(new
InputStreamReader(s.getInputStream()));
            PrintWriter pw=new PrintWriter(s.getOutputStream(),true);
            System.out.println("Connection is established");
            pw.println("HELLO");
            System.out.println(br.readLine());
            pw.println("MAIL From:"+fromTxt.getText());
            System.out.println(br.readLine());
            pw.println("RCPT To:"+toTxt.getText());
            System.out.println(br.readLine());
            pw.println("DATA");
            pw.println(msgTxt.getText()+"\n.\n");

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        System.out.println(br.readLine());
        pw.println("QUIT");
        pw.flush();
        s.close();
        System.out.println("Mail has been sent....");
    }
    catch(Exception e)
    {
    }
    System.out.println("Connection Terminated");
}

public static void main(String args[])
{
    SMTP client = new SMTP();
}
} //end of SMTP class

```

