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package mail_client;

import java.io.IOException;
import java.util.ArrayList;
import java.util.Properties;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.mail.Folder;
import javax.mail.Message;
import javax.mail.MessagingException;
import javax.mail.NoSuchProviderException;
import javax.mail.Session;
import javax.mail.Store;
import javax.swing.DefaultListModel;
import javax.swing.ListSelectionModel;
import javax.swing.event.ListSelectionEvent;
import javax.swing.event.ListSelectionListener;

/**
 *
 * @author rapha
 */
public class MainForm extends javax.swing.JFrame {
    private Session _session;
    private final String _email;
    private final Store _pop3Store;
    private ArrayList<Message> _msgs;

    /** Creates new form MainForm */
    public MainForm(String serveurPop, String serveurSMTP,
        String utilisateur, String motDePasse, String email)
        throws NoSuchProviderException, MessagingException
    {
        this._email = email;

        Properties property = System.getProperties();
        property.put("mail.smtp.host", serveurSMTP);
        property.put("file.encoding", "iso-8859-1");
        this._session = Session.getDefaultInstance(property, null);

        this._pop3Store = this._session.getStore("pop3");
        this._pop3Store.connect(serveurPop, utilisateur, motDePasse);

        initComponents();

        // Ecoute les s lections faites sur la liste des messages pour
        // ouvrir la fen tre de lecture
        ListSelectionModel selectionModel = this.messagesList.getSelectionModel();
        selectionModel.addListSelectionListener(new ListSelectionListener() {
            @Override
            public void valueChanged(ListSelectionEvent lse) {
                messageSelected(lse);
            }
        });

        this.listerMessages();
    }

    private void messageSelected(ListSelectionEvent lse)
    {
        try {
            new LireMessage(
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        this, true, this._session, this._email,
        this._msgs.get(lse.getFirstIndex())
    ).setVisible(true);
} catch (MessagingException ex) {
    Logger.getLogger(MainForm.class.getName()).log(Level.SEVERE, null, ex);
} catch (IOException ex) {
    Logger.getLogger(MainForm.class.getName()).log(Level.SEVERE, null, ex);
}
}

private void listerMessages() throws MessagingException
{
    Folder folder = this._pop3Store.getFolder("INBOX");
    folder.open(Folder.READ_ONLY);

    Message[] msgs = folder.getMessages();

    if (folder.getNewMessageCount() > 0) {
        this.setTitle(
            "Messagerie (" + folder.getNewMessageCount() + " nouveau(x) messages)"
        );
    } else {
        this.setTitle("Messagerie (Pas de nouveau message)");
    }

    this._msgs = new ArrayList<Message>();
    DefaultListModel model = (DefaultListModel) this.messagesList.getModel();
    model.clear();
    for (Message m : this._msgs) {
        if (m.isMimeType("text/plain")) {
            this._msgs.add(m);
            model.addElement(m.getSubject() + " de " + m.getFrom()[0]);
        }
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
    (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
    and feel.
    * For details see
    http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
            javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(MainForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(MainForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(MainForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
}

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        ing.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(MainForm.class.getName()).log(java.util.logging
        ing.Level.SEVERE, null, ex);
    }
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {

    public void run() {
        try {
            new MainForm(
                "pop.gmail.com", "relay.skynet.be",
                "raphaeljavaux@gmail.com", "XXXXXXXX",
                "raphaeljavaux@gmail.com"
            ).setVisible(true);
        } catch (NoSuchProviderException ex) {
            Logger.getLogger(MainForm.class.getName()).log(Level.SEVERE, null, ex);
        } catch (MessagingException ex) {
            Logger.getLogger(MainForm.class.getName()).log(Level.SEVERE, null, ex);
        }
    }
});
}
}
}

```