package guiProject;

import java.awt.Color;

import java.awt.Font;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JMenu;

import javax.swing.JMenuBar;

import javax.swing.JMenuItem;

import javax.swing.JOptionPane;

import javax.swing.JPanel;

import javax.swing.JTextField;

public class BankAccount {

JFrame thisGUI;

JLabel label1;

JLabel label2;

JLabel label3;

JLabel label4;

JMenuBar menuBar;

JMenuBar moreMenu;

JButton button1;

JButton button2;

JButton button3;

JButton button4;

JButton button5;

JTextField userText;

double balance = 500.0;

double wValue = 0.0;

double dValue = 0.0;

String uName;

String aNumber;

public static void main(String[] args) {

new BankAccount();

}

public BankAccount(){

thisGUI = new JFrame();

thisGUI.setTitle("My ATM");

thisGUI.setSize(400, 400);

thisGUI.setResizable(false);

thisGUI.setLocationRelativeTo(null);

thisGUI.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

ListenForLogin lForLogin = new ListenForLogin();

ListenForWithdraw lForWithdraw = new ListenForWithdraw();

ListenForDeposit lForDeposit = new ListenForDeposit();

ListenForLogout lForLogout = new ListenForLogout();

ListenForAbout lForAbout = new ListenForAbout();

ListenForProcess lForProcess = new ListenForProcess();

       ListenForHelp lForHelp = new ListenForHelp();

JPanel panel = new JPanel();

panel.setLayout(null);

label1 = new JLabel();

label1.setText("Clinton's ATM");

label1.setOpaque(true);

label1.setBackground(Color.CYAN);

label1.setBounds(0,0,398,50);

label1.setFont(new Font(label1.getName(), Font.PLAIN, 25));

panel.add(label1);

label2 = new JLabel();

label2.setBounds(30,95,398,15);

panel.add(label2);

label3 = new JLabel();

label3.setBounds(30,115,398,15);

panel.add(label3);

label4 = new JLabel();

label4.setText("Balance: " + balance);

label4.setOpaque(true);

label4.setBounds(230,95,398,15);

label4.setVisible(false);

panel.add(label4);

button1  = new JButton("Login");

button1.setBounds(133, 55, 135, 30);

button1.setVisible(true);

button1.addActionListener(lForLogin);

panel.add(button1);

button3  = new JButton("Logout");

button3.setBounds(133, 55, 135, 30);

button3.setVisible(false);

button3.addActionListener(lForLogout);

panel.add(button3);

button4  = new JButton("Withdraw");

button4.setBounds(30, 240, 135, 50);

button4.setVisible(false);

button4.addActionListener(lForWithdraw);

panel.add(button4);

button5  = new JButton("Deposit");

button5.setBounds(230, 240, 135, 50);

button5.setVisible(false);

button5.addActionListener(lForDeposit);

panel.add(button5);

userText = new JTextField(20);

userText.setBounds(0,35, 250, 30);

JMenuBar menuBar = new JMenuBar();

JMenu optionsMenu = new JMenu("Options");

JMenuItem helpMenuItem = new JMenuItem("Help");

helpMenuItem.addActionListener(lForHelp);

optionsMenu.add(helpMenuItem);

optionsMenu.addSeparator();

JMenuItem logoutMenuItem = new JMenuItem("LogOut");

logoutMenuItem.addActionListener(lForLogout);

optionsMenu.add(logoutMenuItem);

JMenu moreMenu = new JMenu("More");

JMenuItem aboutMenuItem = new JMenuItem("About");

moreMenu.add(aboutMenuItem);

aboutMenuItem.addActionListener(lForAbout);

moreMenu.addSeparator();

JMenuItem processMenuItem = new JMenuItem("Process");

processMenuItem.addActionListener(lForProcess);

moreMenu.add(processMenuItem);

menuBar.add(optionsMenu);

menuBar.add(moreMenu);

thisGUI.add(menuBar);

thisGUI.setJMenuBar(menuBar);

thisGUI.add(panel);

thisGUI.setVisible(true);

}

//Add Action Listeners Here

private class ListenForLogin implements ActionListener{

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub

String uName = (String)JOptionPane.showInputDialog(

                   thisGUI,

                   "Please enter your username:", "Verification",  JOptionPane.PLAIN\_MESSAGE);

label2.setText("Username: " + uName);

String aNumber = (String)JOptionPane.showInputDialog(

                   thisGUI,

                   "Please enter your account number:", "Verification",  JOptionPane.PLAIN\_MESSAGE);

label3.setText("Account number: " + aNumber);

label2.setVisible(true);

label3.setVisible(true);

button3.setVisible(true);

button4.setVisible(true);

button5.setVisible(true);

label4.setVisible(true);

button1.setVisible(false);

//moreMenu.setVisible(true);

//menuBar.setVisible(true);

}

}

private class ListenForLogout implements ActionListener{

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub

label2.setVisible(false);

label3.setVisible(false);

button3.setVisible(true);

button4.setVisible(false);

button5.setVisible(false);

label4.setVisible(false);

button1.setVisible(true);

}

}

private class ListenForWithdraw implements ActionListener{

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub

String withdraw = (String)JOptionPane.showInputDialog(

                   thisGUI,

                   "How much would you like to withdraw?", "Withdraw",  JOptionPane.PLAIN\_MESSAGE);

double withdraw2 = Double.parseDouble(withdraw);

wValue = (balance - withdraw2);

balance = wValue;

String wFinalValue = Double.toString(wValue);

label4.setText("Balance: " + wFinalValue);

}

}

private class ListenForDeposit implements ActionListener{

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub

String deposit = (String)JOptionPane.showInputDialog(

                   thisGUI,

                   "How much would you like to deposit?", "Deposit",  JOptionPane.PLAIN\_MESSAGE);

double deposit2 = Double.parseDouble(deposit);

dValue = (balance + deposit2);

balance = dValue;

String dFinalValue = Double.toString(dValue);

label4.setText("Balance: " + dFinalValue);

}

}

private class ListenForAbout implements ActionListener{

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub

JOptionPane.showMessageDialog(thisGUI,

   "This GUI was created by Dustin Voigt and Itaty Marquez.");

}

}

private class ListenForProcess implements ActionListener{

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub

JOptionPane.showMessageDialog(thisGUI,

   "This program was created using java in Eclipse.");

}

}

private class ListenForHelp implements ActionListener{

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub

JOptionPane.showMessageDialog(thisGUI,

   "You can login using the login button. After that you can Withdraw or Deposit money from your account.");

}

}

}