package bankmanagementsystem;

import javax.swing.\*;

import java.awt.\*; //for image importing

import java.awt.event.\*;

import java.sql.\*; //Reset is present inside this

import java.util.Date; //for date

public class FastCash extends JFrame implements ActionListener{

JButton deposit,withdrawl,ministatement,pinchange,fastcash,balancequery,exit;

String pinnumber;

FastCash(String pinnumber){

this.pinnumber = pinnumber;

setLayout(null);

ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/atm.jpg")); //it is used to load image."ClassLoader.getSystemResource("icons/atm.jpg") is used to get the URL of the image file atm.jpg located in the icons directory in the classpath.

Image i2 = i1.getImage().getScaledInstance(900, 900,Image.SCALE\_DEFAULT); //getScaledInstance(900, 900, Image.SCALE\_DEFAULT): Resizes the image to a width of 900 pixels and a height of 900 pixels using the default scaling algorithm (Image.SCALE\_DEFAULT).

ImageIcon i3 = new ImageIcon(i2); //new ImageIcon(i2): Creates a new ImageIcon object using the scaled Image object i2.

JLabel image = new JLabel(i3); //JLabel image: Declares a variable image of type JLabel. JLabel is a component for displaying a short string or an image icon.

image.setBounds(0,0,900,900);//It sets image to full output screen7

add(image);

JLabel text =new JLabel("Select Withdrawl Amount");

text.setBounds(215,300,700,35);

text.setForeground(Color.GREEN);

text.setFont(new Font("System",Font.BOLD,16));

image.add(text); //image.add is written bcoz we want text above the image. Whether text will not visible.

deposit = new JButton("Rs 100");

deposit.setBounds(170,415,150,30);

deposit.addActionListener(this);

image.add(deposit);

withdrawl = new JButton("Rs 500");

withdrawl.setBounds(355,415,150,30);

withdrawl.addActionListener(this);

image.add(withdrawl);

fastcash = new JButton("Rs 1000");

fastcash.setBounds(170,450,150,30);

fastcash.addActionListener(this);

image.add(fastcash);

ministatement = new JButton("Rs 2000");

ministatement.setBounds(355,450,150,30);

ministatement.addActionListener(this);

image.add(ministatement);

pinchange = new JButton("Rs 5000");

pinchange.setBounds(170,485,150,30);

pinchange.addActionListener(this);

image.add(pinchange);

balancequery = new JButton("Rs 10000");

balancequery.setBounds(355,485,150,30);

balancequery.addActionListener(this);

image.add(balancequery);

exit = new JButton("Back");

exit.setBounds(355,520,150,30);

exit.addActionListener(this);

image.add(exit);

setSize(900,900);

setLocation(300,0);

setUndecorated(true); //Compiling screen with x and - is not visible now

setVisible(true);

}

public void actionPerformed(ActionEvent ae){

if(ae.getSource() == exit){

setVisible(false);

new Transactions(pinnumber).setVisible(true);

}else{

String amount = ((JButton)ae.getSource()).getText().substring(3); //1st char-R,2nd char-s,3rd char-space(in Rs 500) after that sub the amount

Conn c = new Conn();

try{

ResultSet rs = c.s.executeQuery("Select \* from bank where pin='"+pinnumber+"'"); //rs helps to loop in every row of bank

int balance = 0;

while(rs.next()){

if(rs.getString("type").equals("Deposit")){ //in bank row if type = Deposit means

balance += Integer.parseInt(rs.getString("amount"));

}else{

balance -= Integer.parseInt(rs.getString("amount")); //or it will subtract

}

}

if(ae.getSource()!= exit && balance < Integer.parseInt(amount)){

JOptionPane.showMessageDialog(null,"Insufficient Balance");

return;

}

Date date = new Date();

String query = "insert into bank values('"+pinnumber+"','"+date+"','Withdrawl','"+amount+"')";

c.s.executeUpdate(query);

JOptionPane.showMessageDialog(null, "Rs "+ amount +" Debited Successfully");

setVisible(false);

new Transactions(pinnumber).setVisible(true);

}catch(Exception e){

System.out.println(e);

}

}

}

public static void main(String[] args) {

new FastCash("");

}

}