**TITLE:** GUI and SQL based ATM model

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**PROPOSAL SUMMARY:** **Automated Teller Machine** (**ATM**) system is banking software developed to give facility to bank customer for 24hours at nearer to your location.

The ATM will service one customer at a time. A customer will be required to enter ATM Card number, PIN – both of which will be sent to the database for validation as part of each transaction. The customer will then be able to perform one or more transactions. Also customer will be able to make a balance inquiry of any account linked to the card.

The main objective of ATM system is to help the organization in automating the whole manual processing of the existing system. This project should support multi user environment. The system is fully automated. ATM systemis designed to solve the purpose of clarifying system requirement.

**PROJECT SCOPE:**

* You can Withdraw Money.
* You can deposit money into your account.
* You can check your available balance.
* You can change your account password.
* You can view and print your transaction history. (Date and Time of transaction, amount withdrawn or deposited).
* You can get loan information.
* You can pay your electricity bill.
* Help section.

**TOOLS USED:** Intellij IDE, MySQL Work Bench, JDBC

**WORKING:**

Maintains

ATM SYSTEM

1 1 1

Report

Generates

Accountdetail

Maintains

M M

1 M

Give information to

Request to

M

Transaction

M 1

**Use-case Diagrams:-**

|  |
| --- |
| ATM System |

ATM card holder

**FUNCTIONALITIES:**

1. **Cash Withdrawal :-**

It is used for withdrawal of cash as per customer demand. For any authorized ATM card holder the ATM system requests for its ATM no & PIN no then customer is logged into their account, then amounts are given to hardware system and customer can withdraw amount. Withdrawn amount is deducted from user’s database at the backend.

1. **Cash Deposit :-**

It is used to deposit cash as per customer demand. The system verifies that deposited amount is equal to what user has input. Deposited amount is added to user’s account and database is updated.

1. **Balance Enquiry :-**

It allows ATM card holder account to check for the resulting balance after certain transactions.

**4. PIN Change:-**

It allows authorized ATM card holder to change accounts PIN. User is asked to input old PIN. If it matches with PIN stored in database then user is asked to input new PIN. The user is asked again to input new PIN to confirm the new PIN no. The PIN is updated in database.

**5. Mini Statement:-**

It allows to enquire last ten transaction of an authorized ATM card holder. It shows deposit & withdrawal amount of transaction & also contains respective transaction date and current available balance.

1. **Loan Information:-**

It gives information about various bank loan rates to ATM card holder.

1. **Electricity Bill:-**

It allows user to pay electricity bill. User is asked to enter their electricity company account number. Relevant amount is deducted from user’s account and database is updated.

1. **Help:-**

Help menu gives information about how to use ATM software when you give correct information to ATM system. Description about all transaction menus is available for the user.

**CODE:**

import java.io.IOException;  
  
public class ATM {  
 public static void main(String[] args) throws IOException {  
 final Welcome w1 = new Welcome();  
 }  
}

import javafx.scene.shape.Line;  
import org.jetbrains.annotations.NotNull;  
import sun.java2d.loops.DrawLine;  
  
import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.awt.geom.Line2D;  
import java.io.IOException;  
import java.applet.\*;  
  
public class Welcome extends JFrame implements ActionListener {  
 JFrame jf;  
 Font f ,f1;  
 JButton b ,b1;  
 JLabel l1,l2,l3,l4,l5,l6;  
 ImageIcon img1;  
 ImageIcon img2;  
 JTextField t1;  
  
  
 public void paint(Graphics g){  
 g.drawLine(0,380,1000,380);  
 g.setColor(Color.BLACK);  
 }  
  
 public Welcome() throws IOException {  
 jf = new JFrame();  
 img1 = new ImageIcon("meezan-bank-vector-logo.png");  
 img2 = new ImageIcon("meezanlogo.png");  
 f = new Font("Times New Roman",Font.BOLD,20);//button  
 f1 = new Font("Times New Roman",Font.BOLD,25);//label  
 jf.setLayout(null);  
  
 l2 = new JLabel();  
 l2.setIcon(img2);  
 l2.setText("Welcome To Meezan Bank");  
 l2.setFont(new Font("Times New Roman",Font.BOLD,40));  
 l2.setHorizontalTextPosition(JLabel.CENTER);  
 l2.setVerticalTextPosition(JLabel.BOTTOM);  
 l2.setForeground(Color.BLACK);  
 l2.setBounds(280,20,500,300);  
 l2.setIconTextGap(30);  
 l2.setHorizontalAlignment(JLabel.CENTER);  
 l2.setVerticalAlignment(JLabel.TOP);  
 jf.add(l2);  
  
 l3 = new JLabel("ATM Services");  
 l3.setFont(new Font("Times New Roman",Font.BOLD,30));  
 l3.setForeground(Color.BLACK);  
 l3.setBounds(440,350,300,30);  
 l3.setVerticalTextPosition(JLabel.BOTTOM);  
 l3.setHorizontalTextPosition(JLabel.CENTER);  
 jf.add(l3);  
  
 l4 = new JLabel("Press OK To Use ATM Service or Press Exit to Quit.");  
 l4.setFont(f1);  
 l4.setForeground(Color.BLACK);  
 l4.setBounds(250,500,750,40);  
 jf.add(l4);  
  
 b = new JButton("OK",new ImageIcon("ok.png"));  
 b.setFont(f);  
 b.setBounds(220,650,130,60);  
 jf.add(b);  
 b.addActionListener(this);  
  
 b1 = new JButton("Exit",new ImageIcon("cancel.png"));  
 b1.setFont(f);  
 b1.setBounds(700,650,130,60);  
 jf.add(b1);  
 b1.addActionListener(this);  
  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000,900);  
 jf.setLocation(220,20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
  
  
  
 }  
  
  
 /\* public static void main(String[] args) throws IOException {  
 Welcome w1 = new Welcome();  
 }\*/  
  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if(e.getSource() == b){  
 new AtmCardno();  
 jf.setVisible(false);  
 }  
 else if(e.getSource() == b1){  
 System.exit(0);  
 }  
 }  
}

import sun.util.calendar.BaseCalendar;  
  
import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
import java.sql.\*;  
import java.text.ParseException;  
import java.text.SimpleDateFormat;  
import java.util.Calendar;  
import java.util.Date;  
import java.util.GregorianCalendar;  
  
public class AtmCardno extends JFrame implements ActionListener {  
  
 JButton b1,b2,b3;  
 JTextField txt;  
 JPasswordField pwd;  
 Connection con;  
 PreparedStatement ps;  
 Statement stmt;  
 ResultSet rs;  
 int atmno , acno, pno;  
 String curdate;  
 JFrame jf;  
  
  
 AtmCardno(){  
  
  
 jf = new JFrame();  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
 Date date = new Date();  
 GregorianCalendar calender = new GregorianCalendar();  
 calender.setTime(date);  
 curdate = calender.get(Calendar.YEAR)+"-"+(calender.get(Calendar.MONTH)+1)+"-"+(calender.get(Calendar.DATE));  
 System.out.println(curdate);  
  
 Font f = new Font("Times New Roman",Font.BOLD,25);  
 Font f1 = new Font("Times New Roman",Font.BOLD,30);  
 jf.setLayout(null);  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175,100,700,200);  
 jf.add(l1);  
  
 /\*JLabel l2 = new JLabel();  
 l2.setText("ATM CARD NUMBER");  
 l2.setFont(new Font("Times New Roman",Font.BOLD,40));  
 l2.setHorizontalTextPosition(JLabel.CENTER);  
 l2.setVerticalTextPosition(JLabel.CENTER);  
 l2.setHorizontalAlignment(JLabel.CENTER);  
 l2.setVerticalAlignment(JLabel.CENTER);  
 l2.setForeground(Color.BLACK);  
 l2.setBounds(300,350,500,30);  
 jf.add(l2);\*/  
  
 JLabel l3 = new JLabel();  
 l3.setText("Enter ATM CARD NO :");  
 l3.setFont(f1);  
 l3.setForeground(Color.BLACK);  
 l3.setBounds(120,400,350,30);  
 jf.add(l3);  
  
 JLabel l4 = new JLabel();  
 l4.setText("Enter PIN NO :");  
 l4.setForeground(Color.BLACK);  
 l4.setFont(f1);  
 l4.setBounds(120,520,350,30);  
 jf.add(l4);  
  
 pwd = new JPasswordField(10);  
 pwd.setFont(new Font("Times New Roman",Font.BOLD,35));  
 pwd.setBounds(520,520,300,30);  
 jf.add(pwd);  
  
 txt = new JTextField();  
 txt.setBounds(520,400,300,30);  
 txt.setFont(new Font("Times New Roman",Font.BOLD,35));  
 jf.add(txt);  
  
 b1 = new JButton("Enter",new ImageIcon("ok.png"));  
 b1.setFont(f);  
 b1.setBounds(150,700,175,50);  
 jf.add(b1);  
 b1.addActionListener(this);  
  
 b2 = new JButton("Clear",new ImageIcon("clear.png"));  
 b2.setFont(f);  
 b2.setBounds(435,700,175,50);  
 jf.add(b2);  
 b2.addActionListener(this);  
  
 b3 = new JButton("Exit",new ImageIcon("cancel.png"));  
 b3.setFont(f);  
 b3.setBounds(700,700,175,50);  
 jf.add(b3);  
 b3.addActionListener(this);  
  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000,900);  
 jf.setLocation(220,20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
  
 }  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if(e.getSource()==b1){  
 try{  
 if(((txt.getText()).equals(""))&&(pwd.getText().equals(""))){  
 JOptionPane.showMessageDialog(this,"Please enter ATM card no and Pin no!","Warning",JOptionPane.WARNING\_MESSAGE);  
 }  
 else {  
 int frec=0;  
 Class.forName("com.mysql.jdbc.Driver");  
 con = DriverManager.getConnection("jdbc:mysql://localhost:3306/atmdb","root","root");  
 System.out.println("Connected to DataBase.");  
 ps = con.prepareStatement("select \* from accountdetail where atmno='"+txt.getText()+"' and pinno='"+pwd.getText()+"'");  
 rs = ps.executeQuery();  
 while (rs.next()){  
 atmno = rs.getInt(1);  
 System.out.println(atmno);  
 acno = rs.getInt(2);  
 System.out.println(acno);  
 pno = rs.getInt(3);  
 System.out.println(pno);  
 String cname;  
 cname = rs.getString(5);  
 System.out.println(cname);  
 String exdate;  
 exdate = rs.getString(7);  
 System.out.println(exdate);  
  
 try{  
 SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");  
 Date d1 = sdf.parse(exdate);  
 Date d2 = sdf.parse(curdate);  
 System.out.println();  
  
 if(d1.compareTo(d2)>=0){  
 JOptionPane.showMessageDialog(this,"Hello "+cname+" !");  
 new AccountType(atmno,acno,pno);  
 jf.setVisible(false);  
 }  
 else if (d1.compareTo(d2)<0){  
 JOptionPane.showMessageDialog(this,"Your atm is card is expired! please order new atm card","Warning",JOptionPane.WARNING\_MESSAGE);  
 new Welcome();  
 jf.setVisible(false);  
 }  
 }  
 catch (ParseException p1){  
 p1.printStackTrace();  
 }  
  
 frec =1;  
 }  
 if(frec ==0){  
 JOptionPane.showMessageDialog(this,"Invalid ATM no or Pin no","Warning",JOptionPane.WARNING\_MESSAGE);  
 txt.setText("");  
 pwd.setText("");  
 }  
 con.close();  
 }  
 }  
 catch (SQLException se){  
 se.printStackTrace();  
 }  
 catch(Exception ex){  
 ex.printStackTrace();  
 }  
  
 }  
 else if(e.getSource()==b2){  
 txt.setText("");  
 pwd.setText("");  
 }  
 else if(e.getSource()==b3){  
 JOptionPane.showMessageDialog(this,"Your transaction cancel","Warning",JOptionPane.WARNING\_MESSAGE);  
 try {  
 new Welcome();  
 jf.setVisible(false);  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
  
  
 }  
  
  
 }  
  
  
  
  
 /\* public static void main(String[] args) {  
 new AtmCardno();  
 }\*/  
}

import jdk.nashorn.internal.scripts.JO;  
  
import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
import java.sql.\*;  
  
public class AccountType extends JFrame implements ActionListener {  
 JFrame jf;  
 Font f,f1;  
 JButton b1,bs1,bc1,b2;  
 ImageIcon img1;  
 Connection con;  
 PreparedStatement ps;  
 ResultSet rs;  
 int atmno,acno,pno;  
 String actype,actypegive;  
  
 AccountType(int atmno , int acno, int pin){  
 this.atmno = atmno;  
 this.acno = acno;  
 this.pno = pin;  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 f = new Font("Times New Roman",Font.BOLD,30);  
 f1 = new Font("Times New Roman",Font.BOLD,35);  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175,80,700,200);  
 jf.add(l1);  
  
 JLabel l4 = new JLabel("Account Type");  
 l4.setFont(new Font("Times New Roman",Font.BOLD,50));  
 l4.setForeground(Color.BLACK);  
 l4.setBounds(420,260,700,100);  
 jf.add(l4);  
  
 JLabel l2 = new JLabel();  
 l2.setText("Select Account Type:");  
 l2.setFont(f1);  
 l2.setForeground(Color.BLACK);  
 l2.setBounds(50,500,700,50);  
 jf.add(l2);  
  
 bs1 = new JButton("Saving");  
 bs1.setFont(f1);  
 bs1.setBounds(420,425,250,50);  
 bs1.addActionListener(this);  
 jf.add(bs1);  
  
 bc1 = new JButton("Current");  
 bc1.setFont(f1);  
 bc1.setBounds(420,575,250,50);  
 bc1.addActionListener(this);  
 jf.add(bc1);  
  
 b1 = new JButton("Exit",new ImageIcon("cancel.png"));  
 b1.setFont(f);  
 b1.setBounds(650,750,175,50);  
 jf.add(b1);  
 b1.addActionListener(this);  
  
 b2 = new JButton("Back",new ImageIcon("back.png"));  
 b2.setFont(f);  
 b2.setBounds(225,750,175,50);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000,900);  
 jf.setLocation(220,20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
  
 }  
  
 /\*public static void main(String[] args) {  
 new AccountType(6000,42301,6666);  
 }\*/  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if(e.getSource()==b1) { //EXIT  
 JOptionPane.showMessageDialog(this, "Your last transaction cancel");  
 try {  
 new Welcome();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
  
 }  
 else if(e.getSource()==b2){ //BACK  
 JOptionPane.showMessageDialog(this,"Going to previous page");  
 new AtmCardno();  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==bs1){ //SAVING ACCOUNT  
 int foundrec =0;  
 try {  
 Class.forName("com.mysql.jdbc.Driver");  
 con = DriverManager.getConnection("jdbc:mysql://localhost:3306/atmdb","root","root");  
 System.out.println("Connected to database.");  
 ps = con.prepareStatement("select acctype from accountdetail where atmno='"+atmno+"'and accno='"+acno+"'and pinno='"+pno+"'");  
 rs = ps.executeQuery();  
 while (rs.next()){  
 actypegive = rs.getString("acctype");  
 System.out.println(actypegive);  
 foundrec =1;  
 }  
 if(foundrec == 1){  
 if(actypegive.equals("saving")){  
 actype="saving";  
 System.out.println(actypegive);  
 new TransactionMenu(atmno,acno,pno,actype);  
 jf.setVisible(false);  
 }  
 else{  
 JOptionPane.showMessageDialog(this,"Your account type is not matched wiht database","warning",JOptionPane.WARNING\_MESSAGE);  
 new Welcome();  
 jf.setVisible(false);  
 }  
 con.close();  
  
 }  
  
 } catch (ClassNotFoundException | SQLException | IOException ex) {  
 ex.printStackTrace();  
 }  
  
 }  
 else if(e.getSource()==bc1){ //Current  
 try{  
 int foundrec1 = 0;  
 Class.forName("com.mysql.jdbc.Driver");  
 con = DriverManager.getConnection("jdbc:mysql://localhost:3306/atmdb","root","root");  
 System.out.println("Connected to Databse");  
 ps = con.prepareStatement("select acctype from accountdetail where atmno='"+atmno+"'and accno='"+acno+"'and pinno='"+pno+"'");  
 rs = ps.executeQuery();  
 while (rs.next()){  
 actypegive= rs.getString("acctype");  
 System.out.println(actypegive);  
 foundrec1 =1;  
  
 }  
 if (foundrec1==1){  
 if (actypegive.equals("current")){  
 actype = actypegive;  
 System.out.println(actype);  
 new TransactionMenu(atmno,acno,pno,actype);  
 jf.setVisible(false);  
 }  
 else {  
 JOptionPane.showMessageDialog(this,"Your Account doesnot matched with the database","Warning",JOptionPane.WARNING\_MESSAGE);  
 new Welcome();  
 jf.setVisible(false);  
 }  
 }  
 con.close();  
 }  
 catch (SQLException ex) {  
 ex.printStackTrace();  
 }  
 catch (ClassNotFoundException ex) {  
 ex.printStackTrace();  
 }  
 catch (IOException ex) {  
 ex.printStackTrace();  
 }  
  
 }  
  
 }  
}

import javax.swing.\*;  
import java.awt.\*;  
import java.sql.Connection;import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
import java.sql.\*;  
  
  
public class TransactionMenu extends JFrame implements ActionListener {  
 JFrame jf ;  
 Font f,f1;  
 JButton b1,b2,b3,b4,b5,b6,b7,b8,b9,b51;  
 int atmno,acno,pino;  
 String actype;  
  
  
 TransactionMenu(int atmno,int acno,int pino ,String actype){  
  
 this.atmno = atmno;  
 this.acno = acno;  
 this.pino = pino;  
 this.actype = actype;  
  
 f = new Font("Times New Roman",Font.BOLD,25);//button  
 f1 = new Font("Times New Roman",Font.BOLD,35);//label  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175,30,700,200);  
 jf.add(l1);  
  
 JLabel l2 = new JLabel();  
 l2.setText("SELECT ANY OPTION FROM THE BELOW ");  
 l2.setFont(new Font("Times New Roman",Font.BOLD,40));  
 l2.setForeground(Color.BLACK);  
 l2.setBounds(85,175,900,200);  
 jf.add(l2);  
  
 b1 = new JButton("Cash Withdrawal ");  
 b1.setFont(f);  
 b1.setBounds(150,350,250,50);  
 b1.addActionListener(this);  
 jf.add(b1);  
  
 b2 = new JButton("Cash Deposit ");  
 b2.setFont(f);  
 b2.setBounds(550,350,250,50);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 b3 = new JButton("Balance Enquiry");  
 b3.setFont(f);  
 b3.setBounds(150,450,250,50);  
 b3.addActionListener(this);  
 jf.add(b3);  
  
 b4 = new JButton("Pin Change");  
 b4.setFont(f);  
 b4.setBounds(550,450,250,50);  
 b4.addActionListener(this);  
 jf.add(b4);  
  
 b5 = new JButton("Mini Statement ");  
 b5.addActionListener(this);  
 b5.setBounds(150,550,250,50);  
 b5.setFont(f);  
 jf.add(b5);  
  
 b6 = new JButton("Loan Information ");  
 b6.setFont(f);  
 b6.setBounds(550,550,250,50);  
 b6.addActionListener(this);  
 jf.add(b6);  
  
 b7 = new JButton("Electricity Bill Pay ");  
 b7.setFont(f);  
 b7.setBounds(150,650,250,50);  
 b7.addActionListener(this);  
 jf.add(b7);  
  
 b8 = new JButton("Help");  
 b8.setFont(f);  
 b8.setBounds(550,650,250,50);  
 b8.addActionListener(this);  
 jf.add(b8);  
  
 b9 = new JButton("Exit ",new ImageIcon("cancel.png"));  
 b9.setFont(f);  
 b9.setBounds(525,765,175,50);  
 b9.addActionListener(this);  
 jf.add(b9);  
  
 b51 = new JButton("Back ",new ImageIcon("back.png"));  
 b51.setFont(f);  
 b51.setBounds(275,765,175,50);  
 b51.addActionListener(this);  
 jf.add(b51);  
  
  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000,900);  
 jf.setLocation(220,20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
 }  
  
 /\*public static void main(String[] args) {  
 new TransactionMenu(6000,42301,6666,"current");  
 }\*/  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if(e.getSource() == b1){  
 new CashWithdrawal(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if(e.getSource()==b2){  
 new CashDeposit(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if(e.getSource()==b3){  
 try {  
 new BalanceEnquiry(atmno,acno,pino,actype);  
 } catch (ClassNotFoundException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b4){  
 new PinChange(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource() == b5){  
 new MiniStatement(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource() == b6){  
 new LoanInformation(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b7){  
 new ElectricityBillPay(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if(e.getSource()==b8){  
 new Help( atmno, acno, pino, actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource() == b9){  
 JOptionPane.showMessageDialog(this,"Your Last Transaction cancel","Warning",JOptionPane.WARNING\_MESSAGE);  
 try {  
 new Welcome();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
 }  
 else if (e.getSource()== b51){  
 JOptionPane.showMessageDialog(this,"You are moving to the back page","Warning",JOptionPane.WARNING\_MESSAGE);  
 new AccountType(atmno,acno,pino);  
 jf.setVisible(false);  
 }  
  
 }  
}

import jdk.nashorn.internal.scripts.JO;  
  
import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
import java.sql.\*;  
import java.util.Calendar;  
import java.util.GregorianCalendar;  
import java.util.\*;  
import java.util.Date;  
  
public class CashWithdrawal extends JFrame implements ActionListener {  
  
 JFrame jf;  
 Font f, f1;  
 JButton b1, b2, b3;  
 JTextField ft1;  
 Connection con;  
 PreparedStatement ps;  
 ResultSet rs;  
 int atmno, acno, pino;  
 String actype, strdate;  
 float giv\_am, amt, a\_bal, atm\_min, sum\_bal; //withdrawal amount //new balance thats to be transacted //balance from Database //new amount //previous balance  
 Date date1;  
 Statement stmt, stmt1;  
 GregorianCalendar calendar;  
  
 CashWithdrawal(int atmno, int acno, int pino, String actype) {  
 this.atmno = atmno;  
 this.acno = acno;  
 this.pino = pino;  
 this.actype = actype;  
  
 date1 = new Date();  
 calendar = new GregorianCalendar();  
 calendar.setTime(date1);  
 strdate = calendar.get(Calendar.YEAR) + "-" + (calendar.get(Calendar.MONTH) + 1) + "-" + (calendar.get(Calendar.DATE));  
 System.out.println(strdate);  
 System.out.println(actype);  
  
 f = new Font("Times New Roman", Font.BOLD, 25);//button  
 f1 = new Font("Times New Roman", Font.BOLD, 30);//label  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175, 80, 700, 200);  
 jf.add(l1);  
  
 JLabel l2 = new JLabel("Cash Withdrawal");  
 l2.setFont(new Font("Times New Roman", Font.BOLD, 50));  
 l2.setBounds(350, 275, 450, 100);  
 l2.setForeground(Color.BLACK);  
 jf.add(l2);  
  
 JLabel l3 = new JLabel("Enter the amount to withdraw :");  
 l3.setForeground(Color.BLACK);  
 l3.setFont(f1);  
 l3.setBounds(45, 480, 450, 100);  
 jf.add(l3);  
  
 ft1 = new JTextField(40);  
 ft1.setFont(f);  
 ft1.setBounds(480, 505, 450, 50);  
 jf.add(ft1);  
  
 b1 = new JButton("Ok", new ImageIcon("ok.png"));  
 b1.setFont(f);  
 b1.setBounds(225, 725, 140, 50);  
 b1.addActionListener(this);  
 jf.add(b1);  
  
 b2 = new JButton("Back", new ImageIcon("back.png"));  
 b2.setFont(f);  
 b2.setBounds(425, 725, 140, 50);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 b3 = new JButton("Exit", new ImageIcon("cancel.png"));  
 b3.setFont(f);  
 b3.setBounds(625, 725, 140, 50);  
 b3.addActionListener(this);  
 jf.add(b3);  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000, 900);  
 jf.setLocation(220, 20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
 }  
  
 /\* public static void main(String[] args) {  
 new CashWithdrawal(6000, 42301, 6666, "current");  
 }\*/  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if (e.getSource() == b1) {  
 if (ft1.getText().equals("")) {  
 JOptionPane.showMessageDialog(this, "Please Enter Withdrawal Amount!", "Warning!", JOptionPane.WARNING\_MESSAGE);  
 }  
 giv\_am = 0;  
 amt = 0;  
 giv\_am = Float.parseFloat(ft1.getText());  
 System.out.println("You Enter amount are: " + giv\_am);  
  
 try {  
 Class.forName("com.mysql.jdbc.Driver");  
 con = DriverManager.getConnection("jdbc:mysql://localhost:3306/atmdb","root","root");  
 System.out.println("Connected to database.");  
 if (actype.equals("saving")) {  
 if ( giv\_am <= 250000) {  
 if (giv\_am < 100) {  
 JOptionPane.showMessageDialog(this, "You cannot withdraw amount less than 100 RS!", "Warning", JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 } else if (giv\_am > 10000) {  
 JOptionPane.showMessageDialog(this, "You cannot withdraw greater than 10000 RS!", "Warning", JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 } else if (giv\_am > 100 && (!(giv\_am % 100 == 0))) {  
 JOptionPane.showMessageDialog(this, "Withdrawal amount should be multiple of 100 ", "Warning", JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 } else {  
 ps = con.prepareStatement("select \* from accountdetail where atmno='" + atmno + "' and accno='" + acno + "' and pinno='" + pino + "' and acctype='" + actype + "'");  
 rs = ps.executeQuery();  
 while (rs.next()) {  
 a\_bal = Float.parseFloat(rs.getString("balance"));  
  
 if (a\_bal > 1000) {  
 if (giv\_am <= (a\_bal - 1000)) {  
 amt = ((a\_bal - 1000) - giv\_am);  
 atm\_min = (amt + 1000);  
 ps = con.prepareStatement("update accountdetail set balance=" + atm\_min + " where atmno='" + atmno + "'");  
 System.out.println("You withdraw rs: " + ft1.getText());  
 ps.executeUpdate();  
 ps = con.prepareStatement("insert into transaction(atmno,accno,depositamt,withdrawal,avbalance,tdate) values ('" + atmno + "','" + acno + "',0,'" + giv\_am + "','" + atm\_min + "','" + strdate + "')");  
 ps.executeUpdate();  
  
 int reply = JOptionPane.showConfirmDialog(this, "Your cash withdrawal is in process take monet from the machine. Do you want to tke receipt?", "Cash Withdrawal Message", JOptionPane.YES\_NO\_OPTION);  
  
 if (reply == JOptionPane.YES\_OPTION) {  
 new BalanceEnquiry(atmno, acno, pino, actype);  
 jf.setVisible(false);  
 } else if (reply == JOptionPane.NO\_OPTION) {  
 ps = con.prepareStatement("select \* from accountdetail where atmno='" + atmno + "' and accno='" + acno + "'");  
 rs = ps.executeQuery();  
 while (rs.next()) {  
 float curbal = rs.getFloat("balance");  
 JOptionPane.showMessageDialog(this, "Your available balance is :'" + curbal + "'", "Balance", JOptionPane.INFORMATION\_MESSAGE);  
 new Welcome();  
 jf.setVisible(false);  
 }  
 }  
  
 } else {  
 JOptionPane.showMessageDialog(this, "Your balance is less to withdraw amount ", "Warning", JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 }  
 } else {  
 JOptionPane.showMessageDialog(this, "Your Balance is less , you should keep minimum balance", "Warning", JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 }  
 }  
 }  
 } else {  
 JOptionPane.showMessageDialog(this, "You cannot withdraw per day greater than 250000", "Warning", JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 }  
 } else if (actype.equals("current") ) {  
 if (giv\_am <= 50000) {  
 if (giv\_am < 100) {  
 JOptionPane.showMessageDialog(this, "You cannot withdraw amount less than 100 RS!", "Warning", JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 } else if (giv\_am > 10000) {  
 JOptionPane.showMessageDialog(this, "You cannot withdraw amount greater than 10000", "Warning", JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 } else if (giv\_am > 100 && (!(giv\_am % 100 == 0))) {  
 JOptionPane.showMessageDialog(this, "Withdrawal amount should be multiple of 100", "Warnign", JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 } else {  
 ps = con.prepareStatement("select \* from accountdetail where atmno='" + atmno + "' and accno='" + acno + "' and pinno='" + pino + "' and acctype='" + actype + "'");  
 rs = ps.executeQuery();  
 while (rs.next()) {  
 a\_bal = Float.parseFloat(rs.getString(6));  
  
 if (a\_bal > 1000) {  
 if (giv\_am <= (a\_bal - 1000)) {  
 amt = ((a\_bal - 1000) - giv\_am);  
 atm\_min = (amt + 1000);  
 ps = con.prepareStatement("update accountdetail set balance="+atm\_min+" where atmno='"+atmno+"'");  
 ps.executeUpdate();  
 System.out.println("You withdraw rs:"+ ft1.getText());  
  
 ps = con.prepareStatement("insert into transaction (atmno,accno,depositamt,withdrawal,avbalance,tdate)values('"+atmno+"','"+acno+"',0,'"+giv\_am+"','"+atm\_min+"','"+strdate+"') ");  
 ps.executeUpdate();  
  
 int reply = JOptionPane.showConfirmDialog(this,"Your cash withdrawal is in process take money from the machine .Do you want to take the receipt?","Cash withdarwal",JOptionPane.YES\_NO\_OPTION);  
  
 if (reply == JOptionPane.YES\_OPTION){ //go to balance display  
 new BalanceEnquiry(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if(reply == JOptionPane.NO\_OPTION){ //only display the balance on the dialog box  
 ps = con.prepareStatement("select \* from accountdetail where atmno='"+atmno+"' and accno='"+acno+"'");  
 rs = ps.executeQuery();  
 while(rs.next()){  
 int curbal = rs.getInt("balance");  
 JOptionPane.showMessageDialog(this,"Your available balance are : '"+curbal+"'","Available balance",JOptionPane.INFORMATION\_MESSAGE);  
 new Welcome();  
 jf.setVisible(false);  
 }  
 }  
 }  
 else{  
 JOptionPane.showMessageDialog(this,"your balance is less to withdraw amount","Warning",JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 }  
 }  
 else{  
 JOptionPane.showMessageDialog(this,"Your balance is les,you should keep minimum balance ","Warning",JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 }  
 }  
 }  
 }  
 else{  
 JOptionPane.showMessageDialog(this,"Your can not withdraw per day greater than 50000RS!","Warning",JOptionPane.WARNING\_MESSAGE);  
 ft1.setText("");  
 }  
  
 }  
 con.close();  
 } catch (ClassNotFoundException | SQLException ex) {  
 ex.printStackTrace();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 }  
 else if (e.getSource()==b2){  
 new TransactionMenu(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b3){  
 try {  
 new Welcome();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
 }  
 }  
}

import jdk.nashorn.internal.scripts.JO;  
  
import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
import java.sql.\*;  
import java.util.Calendar;  
import java.util.Date;  
import java.util.GregorianCalendar;  
  
public class CashDeposit extends JFrame implements ActionListener {  
 JFrame jf;  
 Font f,f1;  
 JButton b1 ,b2,b3;  
 JTextField ft1;  
 Connection con;  
 PreparedStatement ps;  
 ResultSet rs;  
 int atmno,acno,pino;  
 String actype,strdate;  
 float giv\_am, amt, a\_bal, atm\_min, sum\_bal; //Deposit amount //new balance of the account //Available balance from Database //new amount //previous balance  
 Date date1;  
 GregorianCalendar calendar;  
  
  
  
 CashDeposit(int atmno,int acno,int pino,String actype){  
  
 this.atmno = atmno;  
 this.acno = acno;  
 this.pino = pino;  
 this.actype = actype;  
  
 date1 = new Date();  
 calendar = new GregorianCalendar();  
 calendar.setTime(date1);  
 strdate = calendar.get(Calendar.YEAR)+"-"+(calendar.get(Calendar.MONTH)+1)+"-"+calendar.get(Calendar.DATE);  
 System.out.println(strdate);  
  
 f = new Font("Times New Roman", Font.BOLD, 25);//button  
 f1 = new Font("Times New Roman", Font.BOLD, 30);//label  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175, 80, 700, 200);  
 jf.add(l1);  
  
 JLabel l2 = new JLabel("Cash Deposit");  
 l2.setFont(new Font("Times New Roman", Font.BOLD, 50));  
 l2.setBounds(350, 275, 450, 100);  
 l2.setForeground(Color.BLACK);  
 jf.add(l2);  
  
 JLabel l3 = new JLabel("Enter the amount to Deposit :");  
 l3.setForeground(Color.BLACK);  
 l3.setFont(f1);  
 l3.setBounds(45, 480, 450, 100);  
 jf.add(l3);  
  
 ft1 = new JTextField(40);  
 ft1.setFont(f);  
 ft1.setBounds(480, 505, 450, 50);  
 jf.add(ft1);  
  
 b1 = new JButton("Ok", new ImageIcon("ok.png"));  
 b1.setFont(f);  
 b1.setBounds(225, 725, 140, 50);  
 b1.addActionListener(this);  
 jf.add(b1);  
  
 b2 = new JButton("Back", new ImageIcon("back.png"));  
 b2.setFont(f);  
 b2.setBounds(425, 725, 140, 50);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 b3 = new JButton("Exit", new ImageIcon("cancel.png"));  
 b3.setFont(f);  
 b3.setBounds(625, 725, 140, 50);  
 b3.addActionListener(this);  
 jf.add(b3);  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000, 900);  
 jf.setLocation(220, 20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
 }  
  
 /\* public static void main(String[] args) {  
 new CashDeposit(6000,42301,6666,"currrent");  
 }\*/  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if (e.getSource()==b2){  
 new TransactionMenu(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b3){  
 try {  
 new Welcome();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b1){  
 if(ft1.getText().equals("")){  
 JOptionPane.showMessageDialog(this,"Please enter deposit amount!","Warning",JOptionPane.WARNING\_MESSAGE);  
 }  
 giv\_am=0;  
 amt=0;  
 giv\_am = Float.parseFloat(ft1.getText());  
 System.out.println("You enter deposit amount is :"+giv\_am);  
  
 try {  
 float curbal=0;  
 Class.forName("com.mysql.jdbc.Driver");  
 con= DriverManager.getConnection("jdbc:mysql://localhost:3306/atmdb","root","root");  
 System.out.println("Connected to the Database");  
 ps=con.prepareStatement("select \* from accountdetail where atmno='"+atmno+"' and accno='"+acno+"'");  
 rs=ps.executeQuery();  
 while(rs.next())  
 {  
 curbal=rs.getFloat(6);  
 }  
 amt = curbal+giv\_am;  
 ps = con.prepareStatement("update accountdetail set balance="+amt+" where atmno ='"+atmno+"' and accno='"+acno+"'");  
 ps.executeUpdate();  
  
 ps=con.prepareStatement("insert into transaction (atmno,accno,depositamt,withdrawal,avbalance,tdate)values('"+atmno+"','"+acno+"','"+giv\_am+"',0,'"+amt+"','"+strdate+"') ");  
 ps.executeUpdate();  
  
 int reply = JOptionPane.showConfirmDialog(this,"Your cash is been depositing .Do you want to take the receipt?","Cash Deposit",JOptionPane.YES\_NO\_OPTION);  
 if(reply == JOptionPane.YES\_OPTION){  
 new BalanceEnquiry(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if(reply == JOptionPane.NO\_OPTION){  
 ps = con.prepareStatement("select \* from accountdetail where atmno='"+atmno+"' and accno='"+acno+"'");  
 rs=ps.executeQuery();  
 while (rs.next()){  
 float curbal1=rs.getFloat("balance");  
 JOptionPane.showMessageDialog(this,"your available balance is :'"+curbal1+"'","Balance",JOptionPane.WARNING\_MESSAGE);  
 new Welcome();  
 jf.setVisible(false);  
  
 }  
 }  
 con.close();  
 }  
 catch (ClassNotFoundException ex) {  
 ex.printStackTrace();  
 } catch (SQLException ex) {  
 ex.printStackTrace();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 }  
  
 }  
}

import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
import java.sql.\*;  
import java.util.Calendar;  
import java.util.Date;  
import java.util.GregorianCalendar;  
  
public class BalanceEnquiry extends JFrame implements ActionListener {  
 JFrame jf ;  
 Font f,f1;  
 JButton b1,b2;  
 Connection con;  
 PreparedStatement ps;  
 ResultSet rs;  
 Date date;  
 int atmno,acno,pinno;  
 String actype,Strdate,Strtime;  
  
 GregorianCalendar calendar;  
  
  
 BalanceEnquiry(int atmno,int acno,int pino,String actype) throws ClassNotFoundException {  
 this.atmno = atmno;  
 this.acno = acno;  
 this.pinno = pino;  
 this.actype = actype;  
  
 date = new Date();  
 calendar = new GregorianCalendar();  
 calendar.setTime(date);  
 Strdate = calendar.get(Calendar.YEAR)+"-"+(calendar.get(Calendar.MONTH)+1)+"-"+calendar.get(Calendar.DATE);  
 Strtime = String.valueOf(date.getHours()+":"+date.getMinutes()+":"+date.getSeconds());  
 System.out.println(Strdate);  
 System.out.println(Strtime);  
  
 f = new Font("Times New Roman",Font.BOLD,30); //Button  
 f1 = new Font("Times New Roman",Font.BOLD,35); //Label  
  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175, 80, 700, 200);  
 jf.add(l1);  
  
 JLabel l2 = new JLabel("Balance Enquiry");  
 l2.setFont(new Font("Times New Roman", Font.BOLD, 50));  
 l2.setBounds(350, 250, 450, 100);  
 l2.setForeground(Color.BLACK);  
 jf.add(l2);  
  
 JLabel l3 = new JLabel("DATE");  
 l3.setFont(f1);  
 l3.setForeground(Color.BLACK);  
 l3.setBounds(80,350,250,100);  
 jf.add(l3);  
  
 JLabel l4 = new JLabel(Strdate);  
 l4.setFont(f1);  
 l4.setForeground(Color.BLACK);  
 l4.setBounds(50,400,250,100);  
 jf.add(l4);  
  
 JLabel l5 = new JLabel("TIME");  
 l5.setFont(f1);  
 l5.setForeground(Color.BLACK);  
 l5.setBounds(450,350,250,100);  
 jf.add(l5);  
  
 JLabel l6 = new JLabel(Strtime);  
 l6.setFont(f1);  
 l6.setForeground(Color.BLACK);  
 l6.setBounds(435,400,250,100);  
 jf.add(l6);  
  
 JLabel l7 = new JLabel("ATM NO");  
 l7.setFont(f1);  
 l7.setForeground(Color.BLACK);  
 l7.setBounds(750,350,250,100);  
 jf.add(l7);  
  
 JLabel l8 = new JLabel(String.valueOf(atmno));  
 l8.setFont(f1);  
 l8.setForeground(Color.BLACK);  
 l8.setBounds(780,400,250,100);  
 jf.add(l8);  
  
 JLabel l9 = new JLabel("Your Available Balance is RS: ");  
 l9.setFont(f1);  
 l9.setForeground(Color.BLACK);  
 l9.setBounds(150,500,500,100);  
 jf.add(l9);  
  
 JLabel l10 = new JLabel();  
 l10.setFont(f1);  
 l10.setForeground(Color.BLACK);  
 l10.setBounds(615,500,500,100);  
 jf.add(l10);  
  
 JLabel l11 = new JLabel("Thank you for Banking with Meezan Bank . For more Infromation,");  
 l11.setFont(f);  
 l11.setForeground(Color.BLACK);  
 l11.setBounds(50,570,900,100);  
 jf.add(l11);  
  
 JLabel l12 = new JLabel("Please Call Toll Free No:1234-777-777 or Visit www.meezanbank.com");  
 l12.setBounds(50,620,900,100);  
 l12.setFont(f);  
 l12.setForeground(Color.black);  
 jf.add(l12);  
  
 b1 = new JButton("Back", new ImageIcon("back.png"));  
 b1.setFont(f);  
 b1.setBounds(325, 750, 140, 50);  
 b1.addActionListener(this);  
 jf.add(b1);  
  
 b2 = new JButton("Exit", new ImageIcon("cancel.png"));  
 b2.setFont(f);  
 b2.setBounds(525, 750, 140, 50);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000, 900);  
 jf.setLocation(220, 20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
 try {  
 Class.forName("com.mysql.jdbc.Driver");  
 con= DriverManager.getConnection("jdbc:mysql://localhost:3306/atmdb","root","root");  
 System.out.println("Connected to database.");  
 ps=con.prepareStatement("select \* from accountdetail where atmno='"+atmno+"' and accno='"+acno+"'");  
 rs=ps.executeQuery();  
 while(rs.next())  
 {  
 String curbal=rs.getString(6);  
 System.out.println("Available balance are:"+curbal);  
 l10.setText(curbal);  
 }  
 con.close();  
  
 } catch (SQLException e) {  
 e.printStackTrace();  
 }  
  
  
 }  
  
 /\*public static void main(String[] args) {  
 try {  
 new BalanceEnquiry(6000,42301,6666,"current");  
 } catch (ClassNotFoundException e) {  
 e.printStackTrace();  
 }  
 }\*/  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if (e.getSource()==b1){  
 new TransactionMenu(atmno,acno,pinno,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b2){  
 try {  
 new Welcome();  
 jf.setVisible(false);  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 }  
  
  
 }  
}

import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
import java.sql.\*;  
  
public class PinChange extends JFrame implements ActionListener {  
  
 JFrame jf;  
 Font f,f1;  
 JButton b1,b2,b3;  
 JPasswordField p1,p2,p3;  
 Connection con;  
 PreparedStatement ps;  
 ResultSet rs;  
 int atmno , acno , pino;  
 String actype;  
 int pp1 ,pp2, pp3;  
 PinChange(int atmno,int acno,int pino,String actype){  
 this.atmno =atmno;  
 this.acno = acno;  
 this.pino = pino;  
 this.actype = actype;  
  
 f = new Font("Times New Roman", Font.BOLD, 35);//button  
 f1 = new Font("Times New Roman", Font.BOLD, 30);//label  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175, 80, 700, 200);  
 jf.add(l1);  
  
 JLabel l2 = new JLabel("PIN CHANGE");  
 l2.setFont(new Font("Times New Roman", Font.BOLD, 50));  
 l2.setBounds(350, 275, 450, 100);  
 l2.setForeground(Color.BLACK);  
 jf.add(l2);  
  
 JLabel l3 = new JLabel("Enter Old PIN");  
 l3.setFont(f1);  
 l3.setForeground(Color.BLACK);  
 l3.setBounds(150,450,200,30);  
 jf.add(l3);  
  
 JLabel l4 = new JLabel("Enter New PIN");  
 l4.setFont(f1);  
 l4.setForeground(Color.BLACK);  
 l4.setBounds(150,525,200,30);  
 jf.add(l4);  
  
 JLabel l5 = new JLabel("Re-Enter New PIN");  
 l5.setFont(f1);  
 l5.setForeground(Color.BLACK);  
 l5.setBounds(150,600,250,30);  
 jf.add(l5);  
  
 p1 = new JPasswordField(10);  
 p1.setBounds(420,450,300,30);  
 jf.add(p1);  
  
 p2 = new JPasswordField(10);  
 p2.setBounds(420,525,300,30);  
 jf.add(p2);  
  
 p3 = new JPasswordField(10);  
 p3.setBounds(420,600,300,30);  
 jf.add(p3);  
  
 b1 = new JButton("Ok", new ImageIcon("ok.png"));  
 b1.setFont(f);  
 b1.setBounds(180,750,150,40);  
 b1.addActionListener(this);  
 jf.add(b1);  
  
 b2 = new JButton("Back", new ImageIcon("back.png"));  
 b2.setFont(f);  
 b2.setBounds(410,750,150,40);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 b3 = new JButton("Exit", new ImageIcon("cancel.png"));  
 b3.setFont(f);  
 b3.setBounds(630,750,150,40);  
 b3.addActionListener(this);  
 jf.add(b3);  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000, 900);  
 jf.setLocation(220, 20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
   
 }  
  
 /\* public static void main(String[] args) {  
 new PinChange(6000,42301,6666,"current");  
 }\*/  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if(e.getSource()== b2){  
 new TransactionMenu(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource() == b3){  
 try {  
 new Welcome();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
 }  
 else if (e.getSource() == b1){  
 if(p1.getText().equals("")&& p2.getText().equals("")&& p3.getText().equals("")){  
 JOptionPane.showMessageDialog(this,"Please enter the Pin , you have set the pin to the blank","Warning",JOptionPane.WARNING\_MESSAGE);  
 }  
 else if (Integer.parseInt(p2.getText())!=(Integer.parseInt(p3.getText()))){  
 JOptionPane.showMessageDialog(this,"Please Enter the correct new Pin no,Your Pin no doesnot match","Warning",JOptionPane.WARNING\_MESSAGE);  
 p1.setText("");  
 p2.setText("");  
 p3.setText("");  
 }  
 else {  
 try {  
 int foundrec = 0;  
 int p11 = Integer.parseInt(p1.getText());  
 Class.forName("com.mysql.jdbc.Driver");  
 con = DriverManager.getConnection("jdbc:mysql://localhost:3306/atmdb","root","root");  
 System.out.println("Connected to Database");  
 ps=con.prepareStatement("select \* from accountdetail where atmno='"+atmno+"' and accno='"+acno+"' and acctype='"+actype+"' and pinno='"+p11+"' ");  
 rs=ps.executeQuery();  
 while(rs.next())  
 {  
 foundrec=1;  
 }  
 if(foundrec==1) {  
 pp1 = Integer.parseInt(p1.getText());  
 pp2 = Integer.parseInt(p2.getText());  
 pp3 = Integer.parseInt(p3.getText());  
  
 ps = con.prepareStatement("update accountdetail set pinno="+pp2+" where atmno ='"+atmno+"' and accno = '"+acno+"' and acctype ='"+actype+"' and pinno ='"+pino+"'");  
 ps.executeUpdate();  
 JOptionPane.showMessageDialog(this,"Your Password Changed!","Pin Change",JOptionPane.WARNING\_MESSAGE);  
  
 }  
 else {  
 JOptionPane.showMessageDialog(null,"You enter wrong old PIN no.");  
 p1.setText("");  
 p2.setText("");  
 p3.setText("");  
 }  
 con.close();  
  
 new TransactionMenu(atmno,acno,pino,actype);  
 jf.setVisible(false);  
  
 } catch (ClassNotFoundException ex) {  
 ex.printStackTrace();  
 } catch (SQLException ex) {  
 ex.printStackTrace();  
 }  
 }  
 }  
 }  
}

import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
import java.sql.\*;  
import java.util.Calendar;  
import java.util.Date;  
import java.util.GregorianCalendar;  
  
public class ElectricityBillPaid implements ActionListener {  
 JFrame jf;  
 Font f,f1;  
 JButton b1,b2;  
 String actype,Strdate,Strtime;  
 int atmno,acno,pinno,billno;  
 float amount;  
 Connection con;  
 PreparedStatement ps;  
 ResultSet rs;  
  
 ElectricityBillPaid(int atmno,int acno,int pino,String actype,int billno,float amount,String strdate,String strtime){  
 this.atmno = atmno;  
 this.acno = acno;  
 this.pinno = pino;  
 this.actype = actype;  
 this.billno = billno;  
 this.amount = amount;  
 this.Strdate = strdate;  
 this.Strtime = strtime;  
  
  
 f = new Font("Times New Roman",Font.BOLD,25); //Button  
 f1 = new Font("Times New Roman",Font.BOLD,25); //Label  
  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(195, 80, 700, 200);  
 jf.add(l1);  
  
 JLabel l2 = new JLabel("Electricity Bill paid");  
 l2.setFont(new Font("Times New Roman", Font.BOLD, 50));  
 l2.setBounds(370, 250, 450, 100);  
 l2.setForeground(Color.BLACK);  
 jf.add(l2);  
  
 JLabel l3 = new JLabel("DATE");  
 l3.setFont(f1);  
 l3.setForeground(Color.BLACK);  
 l3.setBounds(170,350,250,100);  
 jf.add(l3);  
  
 JLabel l4 = new JLabel(Strdate);  
 l4.setFont(f1);  
 l4.setForeground(Color.BLACK);  
 l4.setBounds(140,400,250,100);  
 jf.add(l4);  
  
 JLabel l5 = new JLabel("TIME");  
 l5.setFont(f1);  
 l5.setForeground(Color.BLACK);  
 l5.setBounds(300,350,250,100);  
 jf.add(l5);  
  
 JLabel l6 = new JLabel(Strtime);  
 l6.setFont(f1);  
 l6.setForeground(Color.BLACK);  
 l6.setBounds(300,400,250,100);  
 jf.add(l6);  
  
 JLabel l7 = new JLabel("ATM NO");  
 l7.setFont(f1);  
 l7.setForeground(Color.BLACK);  
 l7.setBounds(400,350,250,100);  
 jf.add(l7);  
  
 JLabel l8 = new JLabel(String.valueOf(atmno));  
 l8.setFont(f1);  
 l8.setForeground(Color.BLACK);  
 l8.setBounds(425,400,250,100);  
 jf.add(l8);  
  
 JLabel l15 = new JLabel("BILL NO ");  
 l15.setFont(f1);  
 l15.setForeground(Color.BLACK);  
 l15.setBounds(545,350,250,100);  
 jf.add(l15);  
  
 JLabel l16 = new JLabel(String.valueOf(billno));  
 l16.setFont(f1);  
 l16.setBounds(555,400,250,100);  
 l16.setForeground(Color.BLACK);  
 jf.add(l16);  
  
 JLabel l17 = new JLabel("BILL AMOUNT ");  
 l17.setFont(f1);  
 l17.setBounds(685,350,250,100);  
 l17.setForeground(Color.BLACK);  
 jf.add(l17);  
  
 JLabel l18 = new JLabel(String.valueOf(amount));  
 l18.setFont(f1);  
 l18.setBounds(715,400,250,100);  
 l18.setForeground(Color.BLACK);  
 jf.add(l18);  
  
  
 JLabel l9 = new JLabel("Your Available Balance is RS: ");  
 l9.setFont(f1);  
 l9.setForeground(Color.BLACK);  
 l9.setBounds(180,500,500,100);  
 jf.add(l9);  
  
 JLabel l10 = new JLabel();  
 l10.setFont(f1);  
 l10.setForeground(Color.BLACK);  
 l10.setBounds(520,500,500,100);  
 jf.add(l10);  
  
 JLabel l11 = new JLabel("Thank you for Banking with Meezan Bank . For more Infromation,");  
 l11.setFont(f);  
 l11.setForeground(Color.BLACK);  
 l11.setBounds(50,570,900,100);  
 jf.add(l11);  
  
 JLabel l12 = new JLabel("Please Call Toll Free No:1234-777-777 or Visit www.meezanbank.com");  
 l12.setBounds(50,620,900,100);  
 l12.setFont(f);  
 l12.setForeground(Color.black);  
 jf.add(l12);  
  
 b1 = new JButton("Back", new ImageIcon("back.png"));  
 b1.setFont(f);  
 b1.setBounds(325, 750, 140, 50);  
 b1.addActionListener(this);  
 jf.add(b1);  
  
 b2 = new JButton("Exit", new ImageIcon("cancel.png"));  
 b2.setFont(f);  
 b2.setBounds(525, 750, 140, 50);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000, 900);  
 jf.setLocation(220, 20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
 try {  
 Class.forName("com.mysql.jdbc.Driver");  
 con= DriverManager.getConnection("jdbc:mysql://localhost:3306/atmdb","root","root");  
 System.out.println("Connected to database.");  
 ps=con.prepareStatement("select \* from accountdetail where atmno='"+atmno+"' and accno='"+acno+"'");  
 rs=ps.executeQuery();  
 while(rs.next())  
 {  
 String curbal=rs.getString(6);  
 System.out.println("Available balance are:"+curbal);  
 l10.setText(curbal);  
 }  
 con.close();  
  
 } catch (SQLException | ClassNotFoundException e) {  
 e.printStackTrace();  
 }  
  
  
 }  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if(e.getSource()==b1){  
 new TransactionMenu(atmno,acno,pinno,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b2){  
 try {  
 new Welcome();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
 }  
  
 }  
  
 /\* public static void main(String[] args) {  
 new ElectricityBillPaid(6000,42301,6666,"current",65231,1200,"2022-05-20","3:07:07");  
 }\*/  
}

import jdk.nashorn.internal.scripts.JO;  
  
import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
import java.sql.\*;  
import java.util.Calendar;  
import java.util.GregorianCalendar;  
import java.util.Date;  
public class ElectricityBillPay extends JFrame implements ActionListener {  
 JFrame jf;  
 Font f,f1;  
 JButton b1,b2,b3;  
 JTextField txt , txt1;  
 int atmno,acno,pino;  
 String actype,strdate,strtime;  
 Connection con;  
 PreparedStatement ps;  
 ResultSet rs;  
 Date date1;  
 GregorianCalendar calendar;  
  
  
  
 ElectricityBillPay(int atmno,int acno,int pino,String actype){  
  
 this.atmno = atmno;  
 this.acno = acno;  
 this.pino = pino;  
 this.actype = actype;  
  
 date1= new Date();  
 calendar=new GregorianCalendar();  
 calendar.setTime(date1);  
 strdate =calendar.get(Calendar.YEAR)+"-"+(calendar.get(Calendar.MONTH)+1)+"-"+calendar.get(Calendar.DATE);  
 System.out.println(strdate);  
 strtime = String.valueOf(date1.getHours()+":"+date1.getMinutes()+":"+date1.getSeconds());  
  
 f = new Font("Times New Roman", Font.BOLD, 25);//button  
 f1 = new Font("Times New Roman", Font.BOLD, 30);//label  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175, 80, 700, 200);  
 jf.add(l1);  
  
 JLabel l2 = new JLabel("Electricity Bill pay");  
 l2.setFont(new Font("Times New Roman", Font.BOLD, 50));  
 l2.setBounds(350, 275, 600, 100);  
 l2.setForeground(Color.BLACK);  
 jf.add(l2);  
  
 JLabel l3 = new JLabel();  
 l3.setText("Enter Electricity bill no :");  
 l3.setFont(f1);  
 l3.setForeground(Color.BLACK);  
 l3.setBounds(90,450,500,30);  
 jf.add(l3);  
  
 JLabel l4 = new JLabel();  
 l4.setText("Enter Electricity bill amount :");  
 l4.setForeground(Color.BLACK);  
 l4.setFont(f1);  
 l4.setBounds(90,570,450,30);  
 jf.add(l4);  
  
 txt1 = new JTextField();  
 txt1.setFont(new Font("Times New Roman",Font.BOLD,35));  
 txt1.setBounds(570,570,300,30);  
 jf.add(txt1);  
  
 txt = new JTextField();  
 txt.setBounds(570,450,300,30);  
 txt.setFont(new Font("Times New Roman",Font.BOLD,35));  
 jf.add(txt);  
  
 b1 = new JButton("Enter",new ImageIcon("ok.png"));  
 b1.setFont(f);  
 b1.setBounds(220,780,150,40);  
 jf.add(b1);  
 b1.addActionListener(this);  
  
 b2 = new JButton("Back", new ImageIcon("back.png"));  
 b2.setFont(f);  
 b2.setBounds(450,780,150,40);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 b3 = new JButton("Exit", new ImageIcon("cancel.png"));  
 b3.setFont(f);  
 b3.setBounds(680,780,150,40);  
 b3.addActionListener(this);  
 jf.add(b3);  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000, 900);  
 jf.setLocation(220, 20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
  
 }  
  
 /\*public static void main(String[] args) {  
 new ElectricityBillPay(6000,42301,6666,"current");  
 }\*/  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
  
 if(e.getSource()==b2){  
 new TransactionMenu(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b3){  
 try {  
 new Welcome();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
 }  
 else if(e.getSource() == b1){  
 if(txt.getText().equals("")&& txt1.getText().equals("")){  
 JOptionPane.showMessageDialog(this,"Please enter electricity bill no and amount","Warning",JOptionPane.WARNING\_MESSAGE);  
 }  
 float giv\_am = 0;  
 float amt =0;  
 int billno = Integer.parseInt(txt.getText());  
 giv\_am = Float.parseFloat(txt1.getText());  
 System.out.println("you enter bill amount is "+giv\_am);  
 try {  
 Class.forName("com.mysql.jdbc.Driver");  
 con = DriverManager.getConnection("jdbc:mysql://localhost:3306/atmdb","root","root");  
 System.out.println("Connect to database");  
 ps = con.prepareStatement("select \* from accountdetail where atmno='"+atmno+"' and accno='"+acno+"' and pinno='"+pino+"' and acctype='"+actype+"'");  
 rs = ps.executeQuery();  
 while(rs.next()){  
 float abal = Float.parseFloat(rs.getString("balance"));  
 if(abal>1000){  
 if(giv\_am<=(abal-1000)){  
 amt = (abal-1000)-giv\_am;  
 float amount = amt;  
 ps = con.prepareStatement("update accountdetail set balance="+amount+" where atmno='"+atmno+"'");  
 ps.executeUpdate();  
 ps = con.prepareStatement("insert into transaction (atmno,accno,depositamt,withdrawal,avbalance,tdate)values('"+atmno+"','"+acno+"',0,'"+giv\_am+"','"+amount+"','"+strdate+"') ");  
 ps.executeUpdate();  
 ps = con.prepareStatement("insert into electricitybill (atmno,accno,ebillno,ebillamount,edate)values('"+atmno+"','"+acno+"','"+billno+"','"+giv\_am+"','"+strdate+"') ");  
 ps.executeUpdate();  
  
 System.out.println("You paid bill RS: "+txt1.getText());  
 int reply=JOptionPane.showConfirmDialog(this,"your bill paid , Do you want to take the receipt","Electricity bill pay",JOptionPane.YES\_NO\_OPTION);  
  
 if(reply == JOptionPane.YES\_OPTION){  
 new ElectricityBillPaid(atmno,acno,pino,actype,billno,giv\_am,strdate,strtime);  
 jf.setVisible(false);  
 }  
 else if(reply == JOptionPane.NO\_OPTION){  
 JOptionPane.showMessageDialog(this,"Your available balance is '"+amount+"'","Electricity bill paid",JOptionPane.WARNING\_MESSAGE);  
 new Welcome();  
 jf.setVisible(false);  
  
 }  
 }  
 else{  
 JOptionPane.showMessageDialog(this,"Your balance is less to pay electricity bill","Warning",JOptionPane.WARNING\_MESSAGE);  
 txt1.setText("");  
 }  
 }  
 else{  
 JOptionPane.showMessageDialog(this,"Your balance is less,You should keep minimum balance 1000 RS","Warning",JOptionPane.WARNING\_MESSAGE);  
 txt1.setText("");  
 }  
  
 }  
 con.close();  
  
 } catch (SQLException ex) {  
 ex.printStackTrace();  
 } catch (ClassNotFoundException ex) {  
 ex.printStackTrace();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
  
  
 }  
  
 }  
}

import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
  
public class Help extends JFrame implements ActionListener {  
 JFrame jf;  
 Font f,f1;  
 JButton b2 ,b3;  
 int atmno,acno,pino;  
 String actype;  
  
 Help(int atmno,int acno,int pino,String actype){  
 this.atmno = atmno;  
 this.acno = acno;  
 this.pino = pino;  
 this.actype = actype;  
 f = new Font("Times New Roman", Font.BOLD, 25);//button  
 f1 = new Font("Times New Roman", Font.BOLD, 30);//label  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175, 80, 700, 200);  
 jf.add(l1);  
  
 JLabel l2 = new JLabel("HELP");  
 l2.setFont(new Font("Times New Roman", Font.BOLD, 50));  
 l2.setBounds(525, 275, 600, 100);  
 l2.setForeground(Color.BLACK);  
 jf.add(l2);  
  
 JLabel l3=new JLabel("Cash withdrawal options used to getting money from the ATM.");  
 l3.setFont(f);  
 l3.setForeground(Color.BLACK);  
 l3.setBounds(40,400,670,25);  
 jf.add(l3);  
  
 JLabel l4=new JLabel("Balance enquiry used to display and print your balance.");  
 l4.setFont(f);  
 l4.setForeground(Color.BLACK);  
 l4.setBounds(40,440,670,25);  
 jf.add(l4);  
  
 JLabel l5=new JLabel("Mini statement used to print your balance.");  
 l5.setFont(f);  
 l5.setForeground(Color.BLACK);  
 l5.setBounds(40,485,650,25);  
 jf.add(l5);  
  
 JLabel l51=new JLabel("Electricty bill used pay electricty bill.");  
 l51.setFont(f);  
 l51.setForeground(Color.BLACK);  
 l51.setBounds(40,530,650,25);  
 jf.add(l51);  
  
 JLabel l61=new JLabel("cash deposit used deposit money into your account.");  
 l61.setFont(f);  
 l61.setForeground(Color.BLACK);  
 l61.setBounds(40,575,650,25);  
 jf.add(l61);  
  
 JLabel l6=new JLabel("PIN change option used to change PIN no of ATM card.");  
 l6.setFont(f);  
 l6.setForeground(Color.BLACK);  
 l6.setBounds(40,620,670,25);  
 jf.add(l6);  
  
  
 JLabel l7=new JLabel("Loan information option used to give various loan rate.");  
 l7.setFont(f);  
 l7.setForeground(Color.BLACK);  
 l7.setBounds(40,660,650,25);  
 jf.add(l7);  
  
  
 JLabel l8=new JLabel("For more information Visit our your nearest branch of our Bank.");  
 l8.setFont(f);  
 l8.setForeground(Color.BLACK);  
 l8.setBounds(40,705,700,25);  
 jf.add(l8);  
  
 b2 = new JButton("Back", new ImageIcon("back.png"));  
 b2.setFont(f);  
 b2.setBounds(330,780,150,40);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 b3 = new JButton("Exit", new ImageIcon("cancel.png"));  
 b3.setFont(f);  
 b3.setBounds(530,780,150,40);  
 b3.addActionListener(this);  
 jf.add(b3);  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000, 900);  
 jf.setLocation(220, 20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
 }  
  
 /\* public static void main(String[] args) {  
 new Help(6000,42301,6666,"current");  
 }\*/  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if(e.getSource()==b2){  
 new TransactionMenu(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b3){  
 try {  
 new Welcome();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
 }  
  
 }  
}

import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.io.IOException;  
  
public class LoanInformation implements ActionListener {  
 JFrame jf;  
 Font f,f1;  
 JButton b2 ,b3;  
 int atmno,acno,pino;  
 String actype;  
  
 LoanInformation(int atmno,int acno,int pino,String actype){  
 this.atmno = atmno;  
 this.acno = acno;  
 this.pino = pino;  
 this.actype = actype;  
  
 f = new Font("Times New Roman", Font.BOLD, 25);//button  
 f1 = new Font("Times New Roman", Font.BOLD, 30);//label  
  
 jf = new JFrame();  
 jf.setLayout(null);  
 ImageIcon img1 = new ImageIcon("meezan-bank-vector-logo.png");  
  
 JLabel l1 = new JLabel();  
 l1.setIcon(img1);  
 l1.setBounds(175, 80, 700, 200);  
 jf.add(l1);  
  
 JLabel l2 = new JLabel("LOAN INFORMATION");  
 l2.setFont(new Font("Times New Roman", Font.BOLD, 50));  
 l2.setBounds(250, 275, 600, 100);  
 l2.setForeground(Color.BLACK);  
 jf.add(l2);  
  
 JLabel l3=new JLabel("Home Loan @ only 9%.");  
 l3.setFont(f1);  
 l3.setForeground(Color.BLACK);  
 l3.setBounds(40,400,680,40);  
 jf.add(l3);  
  
 JLabel l4=new JLabel("Personal Loan @ only 10%.");  
 l4.setFont(f1);  
 l4.setForeground(Color.BLACK);  
 l4.setBounds(40,450,680,40);  
 jf.add(l4);  
  
 JLabel l5=new JLabel("Car Loan @ only 12%.");  
 l5.setFont(f1);  
 l5.setForeground(Color.BLACK);  
 l5.setBounds(40,500,680,40);  
 jf.add(l5);  
  
 JLabel l6=new JLabel("Student Loan @ only 5%.");  
 l6.setFont(f1);  
 l6.setForeground(Color.BLACK);  
 l6.setBounds(40,550,680,40);  
 jf.add(l6);  
  
 JLabel l7=new JLabel("Computer or Laptop Loan @ only 8%.");  
 l7.setFont(f1);  
 l7.setForeground(Color.BLACK);  
 l7.setBounds(40,600,680,40);  
 jf.add(l7);  
  
 JLabel l8=new JLabel("For more information Visit our nearest branch of our Bank.");  
 l8.setFont(f1);  
 l8.setForeground(Color.BLACK);  
 l8.setBounds(40,650,800,40);  
 jf.add(l8);  
  
 JLabel l9=new JLabel("Visit www.MeezanBank.com or call Toll free no 111-733-733 .");  
 l9.setFont(f1);  
 l9.setForeground(Color.BLACK);  
 l9.setBounds(40,700,900,40);  
 jf.add(l9);  
  
 b2 = new JButton("Back", new ImageIcon("back.png"));  
 b2.setFont(f);  
 b2.setBounds(330,780,150,40);  
 b2.addActionListener(this);  
 jf.add(b2);  
  
 b3 = new JButton("Exit", new ImageIcon("cancel.png"));  
 b3.setFont(f);  
 b3.setBounds(530,780,150,40);  
 b3.addActionListener(this);  
 jf.add(b3);  
  
 jf.setTitle("MEEZAN BANK ATM");  
 jf.setVisible(true);  
 jf.setResizable(false);  
 jf.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  
 jf.setSize(1000, 900);  
 jf.setLocation(220, 20);  
 jf.setIconImage(img1.getImage());  
 jf.getContentPane().setBackground(new Color(0x939393));  
  
 }  
  
 /\* public static void main(String[] args) {  
 new LoanInformation(6000,42301,6666,"current");  
 }\*/  
  
 @Override  
 public void actionPerformed(ActionEvent e) {  
 if(e.getSource()==b2){  
 new TransactionMenu(atmno,acno,pino,actype);  
 jf.setVisible(false);  
 }  
 else if (e.getSource()==b3){  
 try {  
 new Welcome();  
 } catch (IOException ex) {  
 ex.printStackTrace();  
 }  
 jf.setVisible(false);  
 }  
  
 }  
}