# Bank Management System

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Technologies Used: Core Java (Swing & AWT)

Database Used: MySQL

IDE used: Eclipse

Before Start this project, we must have 3 things in our laptop.

1. Java Software
2. Eclipse IDE
3. MySQL Installation.

First of all, Create one java project [Bank Management System]

After that create one package [bank]

In that Create one class [Login]

1. Import one package

import javax.swing.\*;

1. Inherit JFrame class.

public class Login extends JFrame{

}

Create one object of Login class.

public static void main(String[] args) {

Login lg=new Login();

}

//Create one Constructor

**public** Login() {

setTitle("Bank Management System");

getContentPane().setBackground(Color.WHITE);

setSize(800,480);

setLocation(550,200);

setVisible(true);

}

[Login.java]

|  |
| --- |
| package bank;  import java.awt.Color;  import java.awt.Font;  import javax.swing.JButton;  import javax.swing.JFrame;  import javax.swing.JLabel;  import javax.swing.JPasswordField;  import javax.swing.JTextField;  import java.awt.event.\*;  public class Login extends JFrame implements ActionListener {  // Instance Variable  JLabel l1, l2, l3;  JTextField tf1;  JPasswordField pf2;  JButton btnLogin, btnClear, btnSignup;  // Non Param Constructor  public Login() {  setTitle("Bank Management System");  // To disable the default layout of frame  setLayout(null);  l1 = new JLabel("Welcome To Bank System");  l1.setFont(new Font("Arial", Font.BOLD, 35));  l1.setBounds(200, 40, 530, 40);  add(l1);  l2 = new JLabel("Enter Card No:");  l2.setFont(new Font("Tahoma", Font.BOLD, 25));  l2.setBounds(120, 150, 400, 30);  add(l2);  tf1 = new JTextField(20);  tf1.setBounds(350, 150, 230, 30);  tf1.setFont(new Font("Tahoma", Font.BOLD, 15));  add(tf1);  l3 = new JLabel("Enter PIN Number:");  l3.setFont(new Font("Tahoma", Font.BOLD, 25));  l3.setBounds(120, 250, 400, 30);  add(l3);  pf2 = new JPasswordField(20);  pf2.setBounds(350, 250, 230, 30);  pf2.setFont(new Font("Tahoma", Font.BOLD, 15));  add(pf2);      btnLogin=new JButton("Login.");  btnLogin.setBackground(Color.black);  btnLogin.setForeground(Color.white);    btnClear=new JButton("Clear");  btnClear.setBackground(Color.black);  btnClear.setForeground(Color.white);      btnSignup=new JButton("Sign Up.");  btnSignup.setBackground(Color.black);  btnSignup.setForeground(Color.white);      btnLogin.setFont(new Font("Tahoma",Font.BOLD,15));  btnLogin.setBounds(300,300,100,40);  add(btnLogin);    btnClear.setFont(new Font("Tahoma",Font.BOLD,15));  btnClear.setBounds(400,300,100,40);  add(btnClear);    btnSignup.setFont(new Font("Tahoma",Font.BOLD,15));  btnSignup.setBounds(500,300,100,40);  add(btnSignup);    //Attaching the Listener  btnLogin.addActionListener(this);  btnClear.addActionListener(this);  btnSignup.addActionListener(this);      // Changing the background color of Frame  getContentPane().setBackground(Color.white);  setVisible(true);  setSize(800, 500);  setLocation(400, 200);  }  public static void main(String[] args) {  // Creating Login class Object  Login obj = new Login();  }  //This method is automatically called when u click on any button  @Override  public void actionPerformed(ActionEvent ae) {  try {  if(ae.getSource()==btnLogin) {  //This is For Login Purpose    }  else if(ae.getSource()==btnClear) {  tf1.setText("");  pf2.setText("");    }  else if(ae.getSource()==btnSignup) {  //This is For Sign Up Purpose  }  }  catch(Exception e) {  e.printStackTrace();  }    }  } |

DAY-3:

First of all download the JCalender jar from the Google.

First of all add the calender jar file by right clicking on the project.

Then import one package.

**import** com.toedter.calendar.JDateChooser;

Now create one instance variable

**JDateChooser dateChooser;**

And type the below code inside the constructor below the DOB Label.

dateChooser = new JDateChooser();

//dateChooser.setBorder(new LineBorder(new Color(0, 0, 0), 1, true));

dateChooser.setForeground(new Color(105, 105, 105));

dateChooser.setBounds(137, 337, 200, 29);

add(dateChooser)

**Type the below code around the Gender.**

r1 = new JRadioButton("Male");

r1.setFont(new Font("Raleway", Font.BOLD, 14));

r1.setBackground(Color.WHITE);

r1.setBounds(300,290,60,30);

add(r1);

r2 = new JRadioButton("Female");

r2.setFont(new Font("Raleway", Font.BOLD, 14));

r2.setBackground(Color.WHITE);

r2.setBounds(450,290,90,30);

add(r2);

ButtonGroup groupgender = new ButtonGroup();

groupgender.add(r1);

groupgender.add(r2);

For Marital Status:

r3 = new JRadioButton("Married");

r3.setFont(new Font("Raleway", Font.BOLD, 14));

r3.setBackground(Color.WHITE);

r3.setBounds(300,390,100,30);

add(r3);

r4 = new JRadioButton("Unmarried");

r4.setFont(new Font("Raleway", Font.BOLD, 14));

r4.setBackground(Color.WHITE);

r4.setBounds(450,390,100,30);

add(r4);

r5 = new JRadioButton("Other");

r5.setFont(new Font("Raleway", Font.BOLD, 14));

r5.setBackground(Color.WHITE);

r5.setBounds(635,390,100,30);

add(r5);

ButtonGroup groupstatus = new ButtonGroup();

groupstatus.add(r3);

groupstatus.add(r4);

groupstatus.add(r5);

Now add one Button in very bottom.

b = new JButton("Next");

b.setFont(new Font("Raleway", Font.BOLD, 14));

b.setBackground(Color.BLACK);

b.setForeground(Color.WHITE);

b.setBounds(620,660,80,30);

add(b);

# **Connecting our Project with MySQL**

1. Execute the DB Script
2. Download the MYSQL Connector jar and add it in the Project.

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# **Creating Second Signup Frame**

create table signuptwo(formno varchar(20), religion varchar(20), category varchar(20), income varchar(20), education varchar(20), occupation varchar(20), pan varchar(20), aadhar varchar(20), seniorcitizen varchar(20), existingaccount varchar(20));

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In the Same Package Create one class [SignupTwo] and Copy the Content from Signup.

And Replace Signup With SighnupTwo Like Class Name,Constructor Name, ETC.

And Remove the Random Number code and Replace with

String number="";

And then Change the Title of the Frame.

setTitle("New Account Application Form-Page2");

After that Remove the below Label

l1 = **new** JLabel("Application Form: " + number);

l1.setFont(**new** Font("Raleway", Font.***BOLD***, 40));

l1.setBounds(150, 20, 600, 40);

add(l1);

Now Change from Personal Details to Additional Details.

l2=**new** JLabel("Page2 Additional Details..");

l2.setFont(**new** Font("Arial", Font.***BOLD***, 25));

l2.setBounds(250, 80, 600, 30);

add(l2);

Change Name With Religion.

Father Name With Category.

Date of Birth: With Income

Gender With Educational

Email Address With Qualification

Marital Status With Occupation

Address With PAN Number

City With Aadhar Number

State With Senior Citizen:

PinCode With Existing Account:

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Declare Some ComboBox Instance Variable

JComboBox jcbReligion,jcbCategory,jcbIncome,jcbEducation,jcbOccupation;

Replace Name TextField With

String religion[] = {"Hindu","Muslim","Sikh","Christian","Other"};

jcbReligion = new JComboBox(religion);

jcbReligion.setBackground(Color.WHITE);

jcbReligion.setFont(new Font("Raleway", Font.BOLD, 14));

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String category[] = {"General","OBC","SC","ST","Other"};

jcbCategory = new JComboBox(category);

jcbCategory.setBackground(Color.WHITE);

jcbCategory.setFont(new Font("Raleway", Font.BOLD, 14));

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String income[] = {"Null","<1,50,000","<2,50,000","<5,00,000","Upto 10,00,000","Above 10,00,000"};

jcbIncome = new JComboBox(income);

jcbIncome.setBackground(Color.WHITE);

jcbIncome.setFont(new Font("Raleway", Font.BOLD, 14));

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String education[] = {"Non-Graduate","Graduate","Post-Graduate","Doctrate","Others"};

jcbEducation=new JComboBox(education);

jcbEducation.setBackground(Color.WHITE);

jcbEducation.setFont(new Font("Raleway", Font.BOLD, 14));

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String occupation[] = {"Salaried","Self-Employmed","Business","Student","Retired","Others"};

jcbOccupation = new JComboBox(occupation);

jcbOccupation.setBackground(Color.WHITE);

jcbOccupation.setFont(new Font("Raleway", Font.BOLD, 14));

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txtPan = new JTextField();

txtPan.setFont(new Font("Raleway", Font.BOLD, 14));

txtAadhar = new JTextField();

txtAadhar.setFont(new Font("Raleway", Font.BOLD, 14));

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rbnCitizenYes = new JRadioButton("Yes");

rbnCitizenYes.setFont(new Font("Raleway", Font.BOLD, 14));

rbnCitizenYes.setBackground(Color.WHITE);

rbnCitizenNo = new JRadioButton("No");

rbnCitizenNo.setFont(new Font("Raleway", Font.BOLD, 14));

rbnCitizenNo.setBackground(Color.WHITE);

Add It in the ButtonGroup.

rbnAccountYes = new JRadioButton("Yes");

rbnAccountYes.setFont(new Font("Raleway", Font.BOLD, 14));

rbnAccountYes.setBackground(Color.WHITE);

rbnAccountNo = new JRadioButton("No");

rbnAccountNo.setFont(new Font("Raleway", Font.BOLD, 14));

rbnAccountNo.setBackground(Color.WHITE);

Add it in the ButtonGroup.

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Date: 16/01/2024

Day-Tuesday

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Create the second table to store more information of user

create table signuptwo(formno varchar(20), religion varchar(20), category varchar(20), income varchar(20), education varchar(20), occupation varchar(20), pan varchar(20), aadhar varchar(20), seniorcitizen varchar(20), existingaccount varchar(20));

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Below Code is Related with ButtonClick Event.

public void actionPerformed(ActionEvent ae){

String religion = (String)jcbReligion.getSelectedItem();

String category = (String)jcbCategory.getSelectedItem();

String income = (String)jcbIncome.getSelectedItem();

String education = (String)jcbEducation.getSelectedItem();

String occupation = (String)jcbOccupation.getSelectedItem();

String pan = tfPan.getText();

String aadhar = tfAadhar.getText();

String scitizen = "";

if(rbnCitizenYes.isSelected()){

scitizen = "Yes";

}

else if(rbnCitizenNo.isSelected()){

scitizen = "No";

}

String eaccount = "";

if(rbnAccountYes.isSelected()){

eaccount = "Yes";

}else if(rbnAccountNo.isSelected()){

eaccount = "No";

}

try{

ConnectionFactory cf=**new** ConnectionFactory();

String query="insert into signuptwo values('"+formno+"','"+religion+"','"+category+"','"+income+"','"+education+"','"+occupation+"','"+pan+"','"+aadhar+"','"+scitizen+"','"+eaccount+"')";

cf.stmt.executeUpdate(query);

}

}catch(Exception ex){

ex.printStackTrace();

}

}

Replace the number instance variable with formno variable.

Change the Constructor from Non Param To Param Constructor.

Signup2(String formno){

this.formno = formno;

}

Do Some Change in the main method accordingly.

new Signup2(“”);

In the First Page[SignupOne Next Click Button:

Replace below things

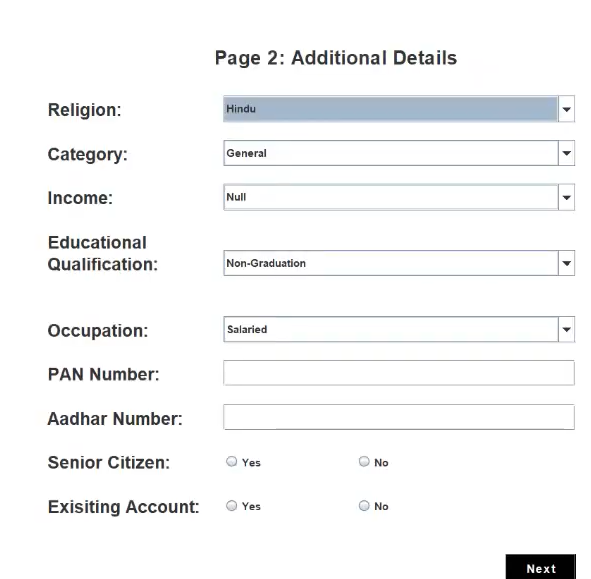
JOptionPane.*showMessageDialog*(**null**, "Congrates");

With

setVisible(false);

new Signup2(formNum).setVisible(true);

And Run the Application

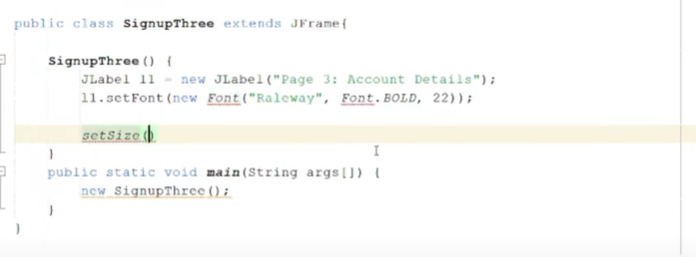


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# Creating Third Signup Frame:

1. Create one Class [SignupThree]

Inherit JFrame class and Implements ActionListener Interface.



Inside the Constructor:

getContentPane().setBackground(Color.WHITE);

setSize(850,850);

setLocation(500,120);

setVisible(true);

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Date: 25 January:

Create the third table to store the account information of user

create table signupthree(formno varchar(20), accountType varchar(40), cardnumber varchar(25),

pin varchar(10), facility varchar(100));

Create the Login table to store login information

create table login(formno varchar(20), cardnumber varchar(25), pin varchar(10));

Please Ensure that Ki ActionListener is Implemented or Not.

Attach the Listener to the Button:

b1.addActionListener(this);

b2.addActionListener(this);

Type the below things in actionPerformed() Method.

public void actionPerformed(ActionEvent ae){

String atype = null;

if(r1.isSelected()){

atype = "Saving Account";

}

else if(r2.isSelected()){

atype = "Fixed Deposit Account";

}

else if(r3.isSelected()){

atype = "Current Account";

}else if(r4.isSelected()){

atype = "Recurring Deposit Account";

}

Random ran = new Random();

long first7 = (ran.nextLong() % 90000000L) + 5040936000000000L;

String cardno = "" + Math.abs(first7);

long first3 = (ran.nextLong() % 9000L) + 1000L;

String pin = "" + Math.abs(first3);

String facility = "";

if(c1.isSelected()){

facility = facility + " ATM Card";

}

if(c2.isSelected()){

facility = facility + " Internet Banking";

}

if(c3.isSelected()){

facility = facility + " Mobile Banking";

}

if(c4.isSelected()){

facility = facility + " EMAIL Alerts";

}

if(c5.isSelected()){

facility = facility + " Cheque Book";

}

if(c6.isSelected()){

facility = facility + " E-Statement";

}

try

{

if(ae.getSource()==b1)

{

if(atype.equals("")){

JOptionPane.showMessageDialog(null, "Fill all the required fields");

}else{

Conn c1 = new Conn();

String q1 = "insert into signup3 values('"+formno+"','"+atype+"','"+cardno+"','"+pin+"','"+facility+"')";

String q2 = "insert into login values('"+formno+"','"+cardno+"','"+pin+"')";

c1.s.executeUpdate(q1);

c1.s.executeUpdate(q2);

JOptionPane.showMessageDialog(null, "Card Number: " + cardno + "\n Pin:"+ pin);

new Deposit(pin).setVisible(true);

setVisible(false);

}

}else if(ae.getSource()==b2){

System.exit(0);

}

}catch(Exception ex){

ex.printStackTrace();

}

}

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

String formno;

Signup3(String formno){

this.formno = formno;

}

In SignupTwo Form Button Click Event:

new Signup3(formno).setVisible(true);

setVisible(false);

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30 Jan:

# **Creating Main Transactions Frame**

Create one New Class [Transactions]

[Transactions]

For That Right click on the Project and Create one New Class.

Along With This Create one source folder [icons] For that Right click on the src folder

Icons folder must be parallel with package.

setSize(960,1080);

setLocation(500,0);

setUndecorated(true);

setVisible(true);

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1-Feb-2024:

Connecting Login Frame to Transactions Frame

Now Go in the Login Page and Complete the actionPerformed() method

public void actionPerformed(ActionEvent ae){

try{

if(ae.getSource()==b1){

Conn c1 = new Conn();

String cardno = tf1.getText();

String pin = pf2.getText();

String q = "select \* from login where cardno = '"+cardno+"' and pin = '"+pin+"'";

ResultSet rs = c1.s.executeQuery(q);

if(rs.next()){

setVisible(false);

new Transactions(pin).setVisible(true);

}else{

JOptionPane.showMessageDialog(null, "Incorrect Card Number or PIN");

}

}else if(ae.getSource()==b2){

tf1.setText("");

pf2.setText("");

}else if(ae.getSource()==b3){

setVisible(false);

new Signup().setVisible(true);

}

}catch(Exception e){

e.printStackTrace();

}

}

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**Date:13-March:**

# **Creating Deposit classes**

First of all Create one Table in Database

Now create bank table to store transactions related information

**create table bank(pin varchar(10), date varchar(50),type varchar(20), amount varchar(20));**

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And then Create the Deposit class. For that right click on package.

**[Deposit.java]**

|  |
| --- |
| package bank;  public class Deposit extends JFrame implements ActionListener{  JTextField t1,t2;  JButton b1,b2,b3;  JLabel l1,l2,l3;  String pin;  Deposit(String pin){  this.pin = pin;  **setLayout(null);**  **ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/atm.jpg"));**  **Image i2 = i1.getImage().getScaledInstance(1000, 1180, Image.SCALE\_DEFAULT);**  **ImageIcon i3 = new ImageIcon(i2);**  **JLabel l3 = new JLabel(i3);**  **l3.setBounds(0, 0, 960, 1080);**  add(l3);    l1 = new JLabel("ENTER AMOUNT YOU WANT TO DEPOSIT");  l1.setForeground(Color.WHITE);  l1.setFont(new Font("System", Font.BOLD, 16));  //setLayout(null);  l1.setBounds(190,350,400,35);  l3.add(l1);  t1 = new JTextField();  t1.setFont(new Font("Raleway", Font.BOLD, 22));  t1.setBounds(190,420,320,25);  l3.add(t1);    b1 = new JButton("DEPOSIT");  b2 = new JButton("BACK");    b1.setBounds(390,588,150,35);  l3.add(b1);    b2.setBounds(390,633,150,35);  l3.add(b2);    b1.addActionListener(this);  b2.addActionListener(this);    setSize(960,1080);  setUndecorated(true);  setLocation(500,0);  setVisible(true);  }  public void actionPerformed(ActionEvent ae){  try{  String amount = t1.getText();  Date date = new Date();  if(ae.getSource()==b1){  if(t1.getText().equals("")){  JOptionPane.showMessageDialog(null, "Please enter the Amount to you want to Deposit");  }else{  //Conn c1 = new Conn();  ConnectionFactory cf=**new** ConnectionFactory();  cf.s.executeUpdate("insert into bank values('"+pin+"', '"+date+"', 'Deposit', '"+amount+"')");  JOptionPane.showMessageDialog(null, "Rs. "+amount+" Deposited Successfully");  setVisible(false);  new Transactions(pin).setVisible(true);  }  }else if(ae.getSource()==b2){  setVisible(false);  new Transactions(pin).setVisible(true);  }  }catch(Exception e){  e.printStackTrace();  }    }  public static void main(String[] args){  new Deposit("").setVisible(true);  }  } |

**[In Transactoins.java]**

In actionPerformed() method

**if(ae.getSource()==b1)**

**{**

**setVisible(false);**

**new Deposit(pin).setVisible(true);**

**}**

**Finally Execute this program from Login Frame.**

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**[In SignupThree.java]**

Inside b1 clickEvent within else.

**new Deposit(pin).setVisible(true);**

**setVisible(false);**

If somebody click on the cancel button [b2] then

**else** **if**(ae.getSource()==b2)

{

//System.*exit*(0);

setVisible(false);

new Login().setVisible(true);

}

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Now Create one more class **Withdrawl For that right click on the package and create one class.**

**[Withdrawl.java]**

**import java.awt.\*;**

**import java.awt.event.\*;**

**import javax.swing.\*;**

**import java.util.Date;**

**import java.sql.\*;**

**public class Withdrawl extends JFrame implements ActionListener**

**{**

**// instance variable**

**JTextField tf1,tf2;**

**JButton b1,b2,b3;**

**JLabel l1,l2,l3,l4;**

**String pin;**

**//param Constructor**

**Withdrawl(String pin)**

**{**

**this.pin = pin;**

**setSize(960,1080);**

**setLocation(500,0);**

**//** To create a Titleless and Borderless JFrame

**setUndecorated(true);**

**setVisible(true);**

**setLayout(null);**

**/\* getSystemResource()**method find a resource of the specified name

from the search path used to load classes.\*/

**ImageIcon i1 = new** ImageIcon(ClassLoader.*getSystemResource*("icons/atm.jpg"));

**Image i2 = i1.getImage().getScaledInstance(1000, 1180, Image.SCALE\_DEFAULT);**

**ImageIcon i3 = new ImageIcon(i2);**

**l3 = new JLabel(i3);**

**//setBounds(int x-coordinate, int y-coordinate, int width, int height)**

**l3.setBounds(0, 0, 960, 1080);**

**add(l3);**

**l1 = new JLabel("MAXIMUM WITHDRAWAL IS RS.10,000");**

**l1.setForeground(Color.WHITE);**

**l1.setFont(new Font("System", Font.BOLD, 16));**

**l1.setBounds(190,350,400,20);**

**l3.add(l1);**

**l2 = new JLabel("PLEASE ENTER YOUR AMOUNT");**

**l2.setForeground(Color.WHITE);**

**l2.setFont(new Font("System", Font.BOLD, 16));**

**l2.setBounds(190,400,400,20);**

**l3.add(l2);**

**tf1 = new JTextField();**

**tf1.setFont(new Font("Raleway", Font.BOLD, 25));**

**tf1.setBounds(190,450,330,30);**

**l3.add(tf1);**

**b1 = new JButton("WITHDRAW");**

**b2 = new JButton("BACK");**

**b1.setBounds(390,588,150,35);**

**l3.add(b1);**

**b2.setBounds(390,633,150,35);**

**l3.add(b2);**

**b1.addActionListener(this);**

**b2.addActionListener(this);**

**}**

**public void actionPerformed(ActionEvent ae)**

**{**

**try{**

**String amount = tf1.getText();**

**Date date = new Date();**

**if(ae.getSource()==b1)**

**{**

**if(tf1.getText().equals(""))**

**{**

**JOptionPane.showMessageDialog(null, "Please enter the Amount to you want to Withdraw");**

**}**

**else{**

ConnectionFactory cf=**new** ConnectionFactory();

**ResultSet rs =** cf.stmt**.executeQuery("select \* from bank where pin = '"+pin+"'");**

**int balance = 0;**

**while(rs.next())**

**{**

**if(rs.getString("type").equals("Deposit")){**

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

**}else{**

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

**}**

**}**

**if(balance < Integer.parseInt(amount)){**

**JOptionPane.showMessageDialog(null, "Insuffient Balance");**

**return;**

**}**

cf.stmt**.executeUpdate("insert into bank values('"+pin+"', '"+date+"', 'Withdrawl', '"+amount+"')");**

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

**setVisible(false);**

**new Transactions(pin).setVisible(true);**

**}**

**}else if(ae.getSource()==b2){**

**setVisible(false);**

**new Transactions(pin).setVisible(true);**

**}**

**}catch(Exception e){**

**e.printStackTrace();**

**System.out.println("error: "+e);**

**}**

**}**

**public static void main(String[] args)**

**{**

**new Withdrawl("").setVisible(true);**

**}**

**}**

[In Transactions program]

Type the below code inside the actionPerformed() method

else if(ae.getSource()==b2)

{

setVisible(false);

new Withdrawl(pin).setVisible(true);

}

Now Execute the Login Frame and For execution take/copy card number and pin number from

Login Table.

And Click on Sign In

After that click on the CashWithdrawl Button. And withdraw 1000 from the account.

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# Creating Fast Cash Class:

Till Now we have completed [Deposit / Withdrawl / Exit]

We can Check it By Executing Transactions Program.

**Today We will discuss about fast cash.**

Now Create one Class [FastCash] For that right click on the package.

**[FastCash.java]**

package bank;

import java.awt.\*;

import java.awt.event.\*;

import javax.swing.\*;

import java.sql.\*;

import java.util.Date;

public class FastCash extends JFrame implements ActionListener

{

JLabel l1, l2;

JButton b1, b2, b3, b4, b5, b6, b7, b8;

JTextField t1;

String pin;

FastCash(String pin)

{

this.pin = pin;

ImageIcon i1=new ImageIcon(ClassLoader.getSystemResource("icons/atm.jpg"));

Image i2 = i1.getImage().getScaledInstance(1000, 1180, Image.SCALE\_DEFAULT);

ImageIcon i3 = new ImageIcon(i2);

JLabel l3 = new JLabel(i3);

l3.setBounds(0, 0, 960, 1080);

add(l3);

l1 = new JLabel("SELECT WITHDRAWL AMOUNT");

l1.setForeground(Color.WHITE);

l1.setFont(new Font("System", Font.BOLD, 16));

b1 = new JButton("Rs 100");

b2 = new JButton("Rs 500");

b3 = new JButton("Rs 1000");

b4 = new JButton("Rs 2000");

b5 = new JButton("Rs 5000");

b6 = new JButton("Rs 10000");

b7 = new JButton("BACK");

setLayout(null);

l1.setBounds(235, 400, 700, 35);

l3.add(l1);

b1.setBounds(170, 499, 150, 35);

l3.add(b1);

b2.setBounds(390, 499, 150, 35);

l3.add(b2);

b3.setBounds(170, 543, 150, 35);

l3.add(b3);

b4.setBounds(390, 543, 150, 35);

l3.add(b4);

b5.setBounds(170, 588, 150, 35);

l3.add(b5);

b6.setBounds(390, 588, 150, 35);

l3.add(b6);

b7.setBounds(390, 633, 150, 35);

l3.add(b7);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);

b5.addActionListener(this);

b6.addActionListener(this);

b7.addActionListener(this);

setSize(960, 1080);

setLocation(500, 0);

setUndecorated(true);

setVisible(true);

}

public void actionPerformed(ActionEvent ae)

{

try {

String amount = ((JButton)ae.getSource()).getText().substring(3); //RS 300

ConnectionFactory cf = new ConnectionFactory();

ResultSet rs = cf.stmt.executeQuery("select \* from bank where pin = '"+pin+"'");

int balance = 0;

while (rs.next()) {

if (rs.getString("mode").equals("Deposit")) {

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

} else {

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

}

}

if (ae.getSource() != b7 && balance < Integer.parseInt(amount)) {

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

return;

}

if (ae.getSource() == b7) {

this.setVisible(false);

new Transactions(pin).setVisible(true);

}else{

Date date = new Date();

cf.stmt.executeUpdate("insert into bank values('"+pin+"', '"+date+"', 'Withdrawl', '"+amount+"')");

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

setVisible(false);

new Transactions(pin).setVisible(true);

}

} catch (Exception e) {

e.printStackTrace();

}

}

public static void main(String[] args) {

new FastCash("").setVisible(true);

}

}

Now in **Transactions.java** Program. Type the below code inside the actionPerformed() method

else if(ae.getSource()==b3)

{

setVisible(false);

new FastCash(pin).setVisible(true);

}

Now Execute the Login Frame and For execution take/copy card number and pin number from

Login Table.

And Click on Sign In

After that click on the FastCash Button. And withdraw 1000 from the account.

You can verify it by fetching the data from bank table.

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