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Introduction

The most common application used other than social networking is the Banking application. The project is mainly based on three basic SQL functions Add, Delete and Update record. The project is the basic version of what a Banking Application is like. The application is made up with Java and MySQL as the base and is developed using the NetBeans Application. Hope you enjoy using!

Package Tree

The package tree defines the basic connection of the interfaces with one another.
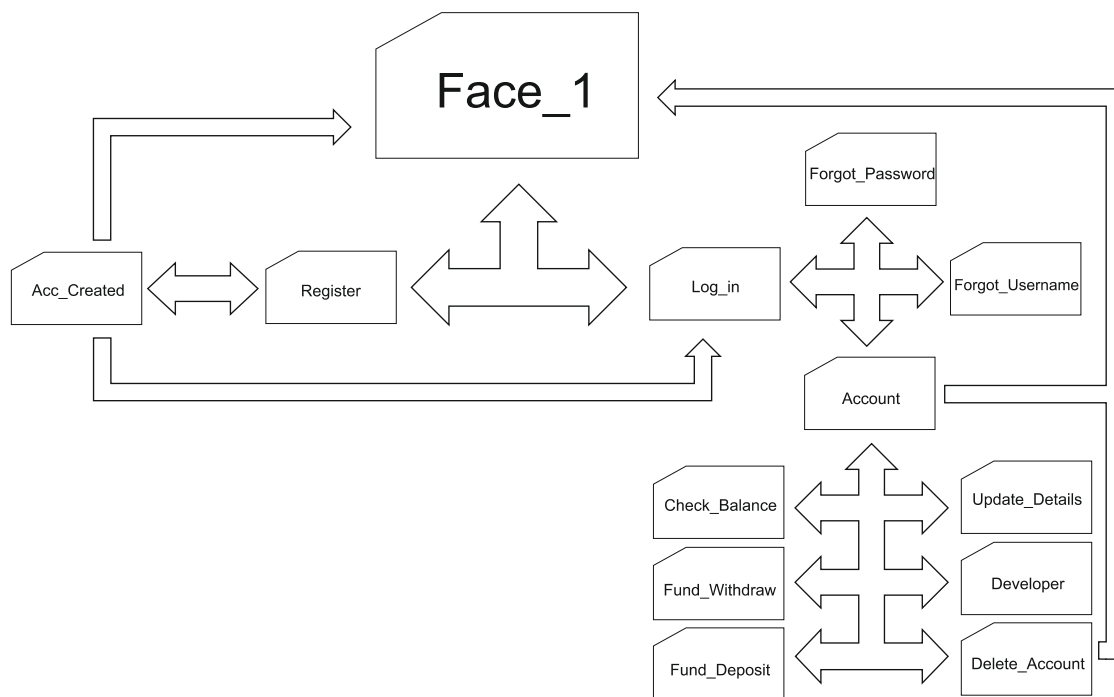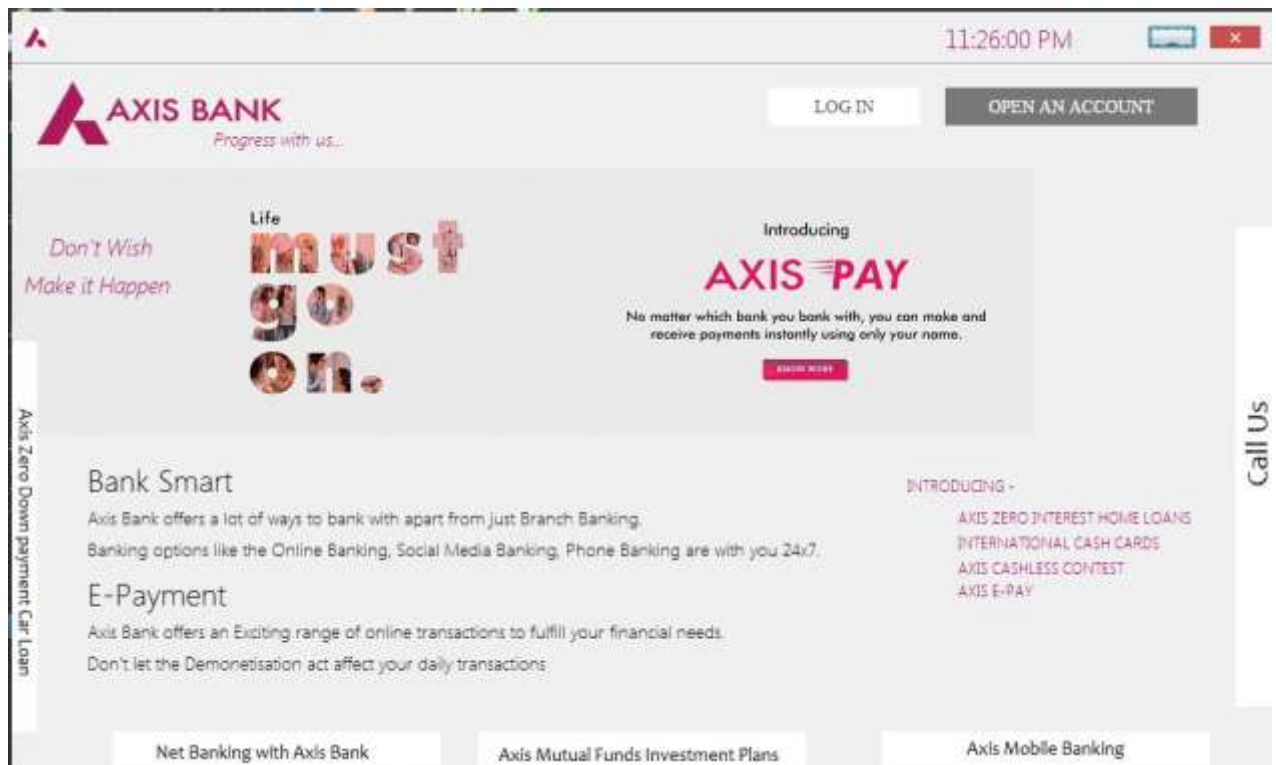
The Interfaces

The consists of 13 different interfaces as follows-

- ➢ Face_1
- ➢ Register
- ➢ Acc_Created
- ➢ Log_in
- ➢ Forgot_Password
- ➢ Forgot_Username
- ➢ Account
- ➢ Check_Balance
- ➢ Fund_Withdraw
- ➢ Fund_Deposit
- ➢ Fund_Transfer
- ➢ Update_Details
- ➢ Delete_Account

Face_1


```java
package shubham;

import AppPackage.AnimationClass;

import javax.swing.*;

import java.util.*;


public class Face_1 extends javax.swing.JFrame
{
    int xM, yM;

    int timeRun = 0;

    public Face_1()
    {
        initComponents();

        new Thread()
        {
```

```
            @Override

            public void run()

            {

                while(timeRun==0)

                {

                    Calendar cal = new GregorianCalendar();

                    int hour = cal.get(Calendar.HOUR);

                    int min = cal.get(Calendar.MINUTE);

                    int sec = cal.get(Calendar.SECOND);

                    int ap = cal.get(Calendar.AM_PM);

                    String d = "",c = "",b = "",a = "";

                    if(ap==0) d="AM";else d="PM";

                    if(sec<10) c="0"+sec;else c=""+sec;

                    if(min<10) b="0"+min;else b=""+min;

                    if(hour<10) a="0"+hour;else a=""+hour;

                    if(hour==0) a="12";

                    Clock.setText(""+a+":"+b+":"+c+" "+d);

                }

            }

        }.start();

    }

private void cutActionPerformed(java.awt.event.ActionEvent evt) {

int q = JOptionPane.showConfirmDialog(null, "Do you want to exit");

if(q==JOptionPane.YES_OPTION)

{System.exit(0);}

}

private void log_inActionPerformed(java.awt.event.ActionEvent evt) {

        new Log_in().setVisible(true);

        this.setVisible(false);


    }
```

```java
    private void registerActionPerformed(java.awt.event.ActionEvent
evt) {

      new Register().setVisible(true);

      this.setVisible(false);   // TODO add your handling code here:

    }

    private void car_loanMouseReleased(java.awt.event.MouseEvent evt) {

      AnimationClass ac = new AnimationClass();

    ac.jLabelXRight(-290, 0, 10, 5, car_loan);

    ac.jLabelXLeft(0, -290, 10, 5, car_loan);

    }

    private void mob_bankingMouseReleased(java.awt.event.MouseEvent
evt) {

AnimationClass ac = new AnimationClass();

ac.jLabelYUp(570, 230, 10, 5, mob_banking);

ac.jLabelYDown(230, 570, 10, 5, mob_banking);

    }

    private void mutual_fundsMouseReleased(java.awt.event.MouseEvent
evt) {

AnimationClass ac = new AnimationClass();

ac.jLabelYUp(570, 230, 10, 5, mutual_funds);

ac.jLabelYDown(230, 570, 10, 5, mutual_funds);

    }

    private void net_bankingMouseReleased(java.awt.event.MouseEvent
evt) {

AnimationClass ac = new AnimationClass();

ac.jLabelYUp(570, 230, 10, 5, net_banking);

ac.jLabelYDown(230, 570, 10, 5, net_banking);

    }

    private void call_usMouseReleased(java.awt.event.MouseEvent evt) {

 AnimationClass ac = new AnimationClass();

    ac.jLabelXLeft(970, 200, 10, 5, call_us);

    ac.jLabelXRight(200, 970, 10, 5, call_us);

    }
```

```java
    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {

        this.setState(Face_1.ICONIFIED);

    }

    private void jLabel2MouseDragged(java.awt.event.MouseEvent evt) {

int x = evt.getXOnScreen();

int y = evt.getYOnScreen();

this.setLocation(x-xM,y-yM);

    }

    private void jLabel2MousePressed(java.awt.event.MouseEvent evt) {

xM=evt.getX();

yM=evt.getY();

    }

    private void formWindowOpened(java.awt.event.WindowEvent evt) {

for(double i = 0.0; i<=1.0; i+=0.1)

{

    String v = i+"F";

    float F = Float.valueOf(v);

    this.setOpacity(F);

    try

    {Thread.sleep(100);}

    catch(Exception e)

    {}

}

    }
```

Register


```java
package shubham;

import AppPackage.AnimationClass;

import javax.swing.*;

import java.sql.*;

import java.util.Calendar;

import java.util.GregorianCalendar;


public class Register extends javax.swing.JFrame {

    int xM, yM, u=0;

    Statement stmt=null;

    ResultSet rs=null;

    Connection conn=null;int timeRun = 0;


    public Register() {
```

```java
        initComponents();

        new Thread()

        {

            public void run()

            {

                while(timeRun==0)

                {

                    Calendar cal = new GregorianCalendar();

                    int hour = cal.get(Calendar.HOUR);

                    int min = cal.get(Calendar.MINUTE);

                    int sec = cal.get(Calendar.SECOND);

                    int ap = cal.get(Calendar.AM_PM);

                    String d = "",c = "",b = "",a = "";

                    if(ap==0) d="AM";else d="PM";

                    if(sec<10) c="0"+sec;else c=""+sec;

                    if(min<10) b="0"+min;else b=""+min;

                    if(hour<10) a="0"+hour;else a=""+hour;

                    if(hour==0) a="12";

                    Clock.setText(""+a+":"+b+":"+c+" "+d);

                }

            }

        }.start();

    }

private void cutActionPerformed(java.awt.event.ActionEvent evt) {

    int q = JOptionPane.showConfirmDialog(null, "Do you want to exit");

    if(q==JOptionPane.YES_OPTION)

    {System.exit(0);}

    }

    private void backActionPerformed(java.awt.event.ActionEvent evt) {

        new Face_1().setVisible(true);

        this.setVisible(false);
```

```java
        }

    private void regActionPerformed(java.awt.event.ActionEvent evt) {

        try

        {

            Class.forName("com.mysql.jdbc.Driver").newInstance();

conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

            String query = "INSERT INTO customer VALUES
('"+name1.getText()+"','"+name2.getText()+"','"+name3.getText()+"','"+g
ender.getSelectedItem()+"','"+father.getText()+"','"+mother.getText()+"
','"+address.getText()+"','"+dob.getText()+"','"+state.getSelectedItem(
)+"','"+Integer.parseInt(mobile.getText())+"','"+Integer.parseInt(pinco
de.getText())+"','"+Integer.parseInt(aadhar.getText())+"','"+email.getT
ext()+"','"+Integer.parseInt(aadhar.getText())+"','"+username.getText()
+"','"+new
String(pass.getPassword())+"','"+Integer.parseInt(bal.getText())+"');";

            stmt=conn.createStatement();

            stmt.executeUpdate(query);

            JOptionPane.showMessageDialog(this,"Account Created
Successfully");

            u = Integer.parseInt(aadhar.getText());

            new Acc_Created(u).setVisible(true);

            this.setVisible(false);

        }

        catch(java.lang.NumberFormatException ex)

        {

            AnimationClass ac = new AnimationClass();

                ac.jLabelYDown(70, 100, 10, 2, wrong);

        }

        catch(Exception e)

        {

          JOptionPane.showMessageDialog(this,e.getMessage());

          e.printStackTrace();

        }
```

```java
    }


    private void formWindowOpened(java.awt.event.WindowEvent evt) {
for(double i = 0.0; i<=1.0; i+=0.1)
{
    String v = i+"F";
    float F = Float.valueOf(v);
    this.setOpacity(F);
    try
    {
        Thread.sleep(100);
    }
    catch(Exception e)     {}
}
    }
    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {
        this.setState(Register.ICONIFIED);
    }
    private void dragMouseDragged(java.awt.event.MouseEvent evt) {
        int x = evt.getXOnScreen();
        int y = evt.getYOnScreen();
        this.setLocation(x-xM,y-yM);
    }
    private void dragMousePressed(java.awt.event.MouseEvent evt) {
        xM=evt.getX();
        yM=evt.getY();
    }
```
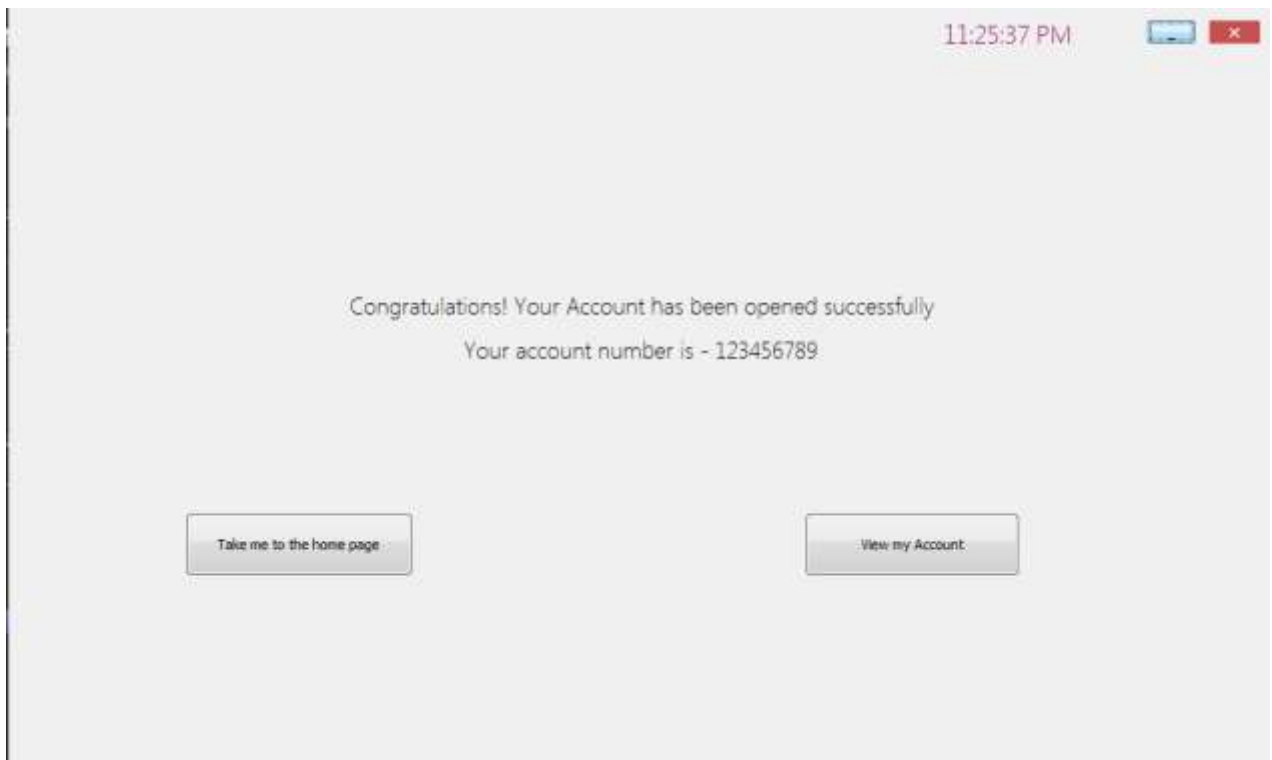
Acc_Created


```java
package shubham;

import java.util.Calendar;
import java.util.GregorianCalendar;
import javax.swing.JOptionPane;

public class Acc_Created extends javax.swing.JFrame {int timeRun = 0;
int xM, yM;
    public Acc_Created() {
        initComponents();
    }
    public Acc_Created (int y)
    {
        initComponents();
        new Thread()
```

```java
            {
                public void run()
                {
                    while(timeRun==0)
                    {
                            Calendar cal = new GregorianCalendar();
                            int hour = cal.get(Calendar.HOUR);
                            int min = cal.get(Calendar.MINUTE);
                            int sec = cal.get(Calendar.SECOND);
                            int ap = cal.get(Calendar.AM_PM);
                            String d = "",c = "",b = "",a = "";
                            if(ap==0) d="AM";else d="PM";
                            if(sec<10) c="0"+sec;else c=""+sec;
                            if(min<10) b="0"+min;else b=""+min;
                            if(hour<10) a="0"+hour;else a=""+hour;
                            if(hour==0) a="12";

                            Clock.setText(""+a+":"+b+":"+c+" "+d);
                    }
                }
            }.start();
            accno.setText("Your account number is - "+y);
        }
    private void cutActionPerformed(java.awt.event.ActionEvent evt) {
            int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");
            if(q==JOptionPane.YES_OPTION)
            {System.exit(0);}
        }


        private void jButton2ActionPerformed(java.awt.event.ActionEvent
evt) {
```

```java
        new Face_1().setVisible(true);

        this.setVisible(false);

    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {

        new Log_in().setVisible(true);

        this.setVisible(false);

    }

    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {

        this.setState(Acc_Created.ICONIFIED);

    }

    private void dragMouseDragged(java.awt.event.MouseEvent evt) {

        int x = evt.getXOnScreen();

        int y = evt.getYOnScreen();

        this.setLocation(x-xM,y-yM);

    }

    private void dragMousePressed(java.awt.event.MouseEvent evt) {

        xM=evt.getX();

        yM=evt.getY();

    }

    private void formWindowOpened(java.awt.event.WindowEvent evt) {
for(double i = 0.0; i<=1.0; i+=0.1)
{
    String v = i+"F";
    float F = Float.valueOf(v);
    this.setOpacity(F);
    try
    {        Thread.sleep(100);    }
    catch(Exception e) {}
    }
    }
```
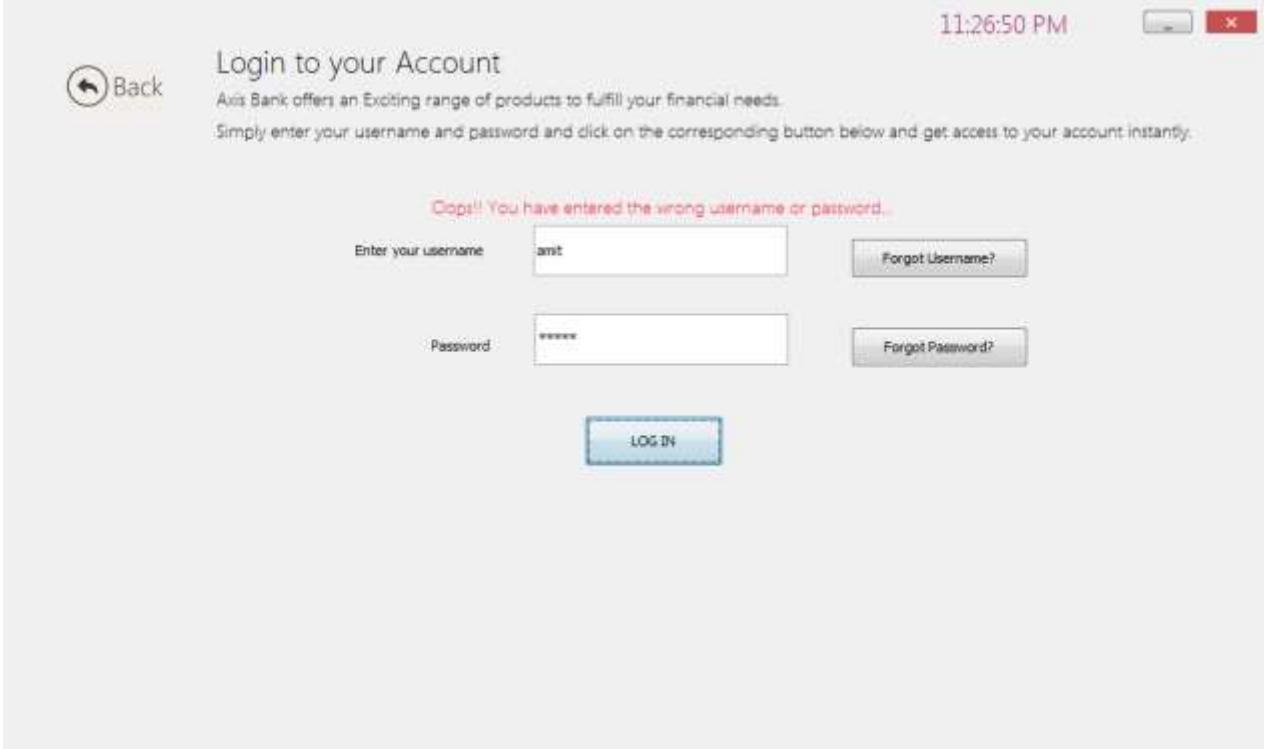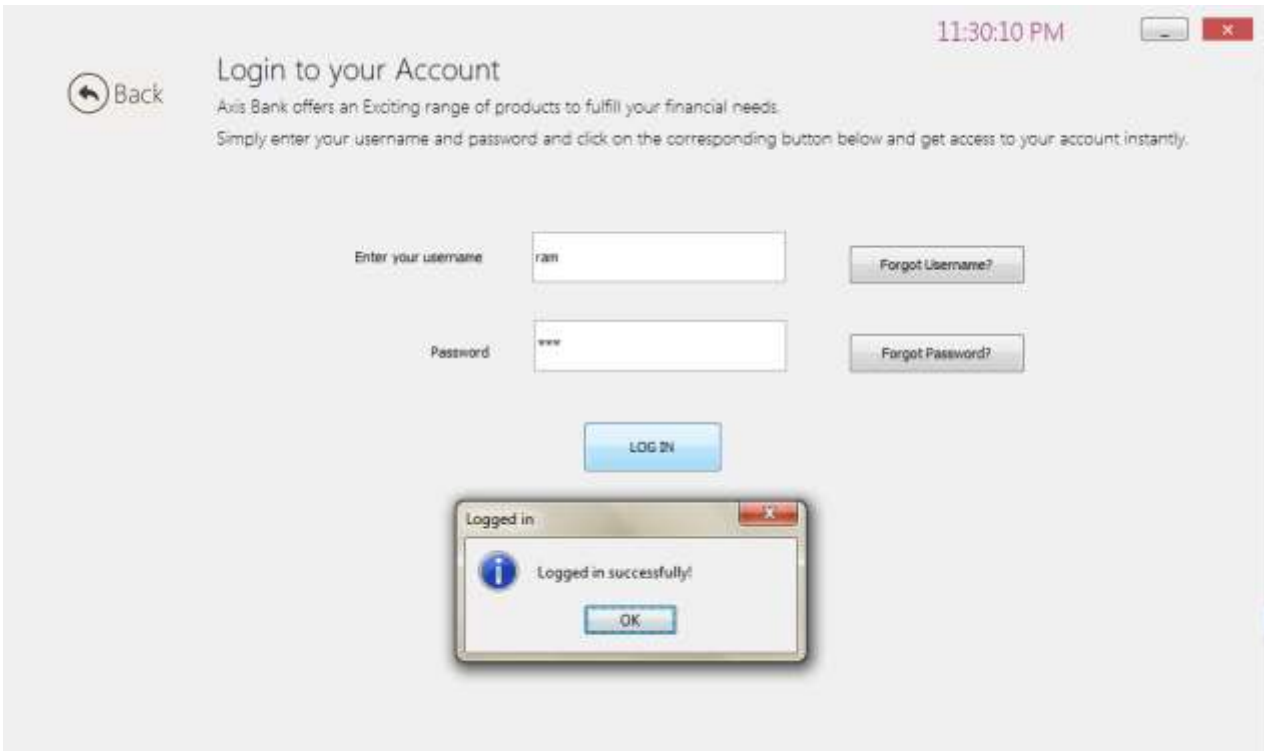
Log_in


```
package shubham;
```

```java
import AppPackage.AnimationClass;

import javax.swing.*;

import java.sql.*;

import java.util.Calendar;

import java.util.GregorianCalendar;

public class Log_in extends javax.swing.JFrame {

    int xM, yM;

    String un="";

Statement stmt=null;

    ResultSet rs=null;

    int timeRun = 0;

    Connection conn=null;

    public Log_in() {

        initComponents();

        new Thread()

        {

            public void run()

            {

                while(timeRun==0)

                {

                    Calendar cal = new GregorianCalendar();

                    int hour = cal.get(Calendar.HOUR);

                    int min = cal.get(Calendar.MINUTE);

                    int sec = cal.get(Calendar.SECOND);

                    int ap = cal.get(Calendar.AM_PM);

                    String d = "",c = "",b = "",a = "";

                    if(ap==0) d="AM";else d="PM";

                    if(sec<10) c="0"+sec;else c=""+sec;

                    if(min<10) b="0"+min;else b=""+min;

                    if(hour<10) a="0"+hour;else a=""+hour;

                    if(hour==0) a="12";
```

```java
                    Clock.setText(""+a+":"+b+":"+c+" "+d);
            }            }         }.start();     }
private void cutActionPerformed(java.awt.event.ActionEvent evt) {
int q = JOptionPane.showConfirmDialog(null, "Do you want to exit");
if(q==JOptionPane.YES_OPTION)
{System.exit(0);}
    }
    private void backActionPerformed(java.awt.event.ActionEvent evt) {
        new Face_1().setVisible(true);
        this.setVisible(false);
    }
    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {
        try
        {
            Class.forName("com.mysql.jdbc.Driver").newInstance();

conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");
            String query = "SELECT * FROM customer where Username =
'"+user.getText()+"' && Password = '"+new
String(pswrd.getPassword())+"';";
            stmt=conn.createStatement();
            rs=stmt.executeQuery(query);
            if(rs.next())
            {
                JOptionPane.showMessageDialog(this, "Logged in
successfully!", "Logged in",1);
                un = user.getText();
                new Account(un).setVisible(true);
                this.setVisible(false);
            }
            else
```

```java
            {
                wrong.setText("Oops!! You have entered the wrong
username or password…");

                AnimationClass ac = new AnimationClass();

                ac.jLabelYDown(120, 150, 10, 2, wrong);

            }

        }

        catch(com.mysql.jdbc.exceptions.jdbc4.MySQLSyntaxErrorException
ex)

        {

            wrong.setText("                    Oops!! You have left the
fields empty");

            AnimationClass ac = new AnimationClass();

                ac.jLabelYDown(120, 150, 10, 2, wrong);

        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(this,e.getMessage());

            e.printStackTrace();

        }

    }

    private void usernameActionPerformed(java.awt.event.ActionEvent
evt) {

new Forgot_Username().setVisible(true);

        this.setVisible(false);

    }

    private void passActionPerformed(java.awt.event.ActionEvent evt) {

new Forgot_Password().setVisible(true);

        this.setVisible(false);

    }

    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {

        this.setState(Log_in.ICONIFIED);
```

```java
        }

        private void dragMouseDragged(java.awt.event.MouseEvent evt) {

                int x = evt.getXOnScreen();

                int y = evt.getYOnScreen();

                this.setLocation(x-xM,y-yM);

        }

        private void dragMousePressed(java.awt.event.MouseEvent evt) {

                xM=evt.getX();

                yM=evt.getY();

        }

        private void formWindowOpened(java.awt.event.WindowEvent evt) {

for(double i = 0.0; i<=1.0; i+=0.1)

{

        String v = i+"F";

        float F = Float.valueOf(v);

        this.setOpacity(F);

        try

        {           Thread.sleep(100);      }

        catch(Exception e)      { }

}

        }
```

Forgot_Password


```java
package shubham;

import javax.swing.*;

import java.sql.*;

import java.util.Calendar;

import java.util.GregorianCalendar;

public class Forgot_Password extends javax.swing.JFrame {

int xM, yM;

Statement stmt=null;

ResultSet rs=null;

Connection conn=null;

int timeRun = 0;

    public Forgot_Password() {

        initComponents();

        new Thread()

        {
```

```java
    public void run()
            {
                while(timeRun==0)
                {
                    Calendar cal = new GregorianCalendar();
                    int hour = cal.get(Calendar.HOUR);
                    int min = cal.get(Calendar.MINUTE);
                    int sec = cal.get(Calendar.SECOND);
                    int ap = cal.get(Calendar.AM_PM);
                    String d = "",c = "",b = "",a = "";
                    if(ap==0) d="AM";else d="PM";
                    if(sec<10) c="0"+sec;else c=""+sec;
                    if(min<10) b="0"+min;else b=""+min;
                    if(hour<10) a="0"+hour;else a=""+hour;
                    if(hour==0) a="12";
                    Clock.setText(""+a+":"+b+":"+c+" "+d);
                }               }           }.start();      }
private void cutActionPerformed(java.awt.event.ActionEvent evt) {
        int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");
        if(q==JOptionPane.YES_OPTION)
        {System.exit(0);}
    }
    private void backActionPerformed(java.awt.event.ActionEvent evt) {
        new Log_in().setVisible(true);
        this.setVisible(false);
    }
    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {
        this.setState(Forgot_Password.ICONIFIED);
    }
    private void dragMouseDragged(java.awt.event.MouseEvent evt) {
```

```java
        int x = evt.getXOnScreen();

        int y = evt.getYOnScreen();

        this.setLocation(x-xM,y-yM);

    }

    private void dragMousePressed(java.awt.event.MouseEvent evt) {

        xM=evt.getX();

        yM=evt.getY();

    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {

        try{

            Class.forName("com.mysql.jdbc.Driver").newInstance();
conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

String query = "SELECT * FROM customer where FirstName =
'"+name1.getText()+"' AND MiddleName = '"+name2.getText()+"' AND
LastName = '"+name3.getText()+"' AND Aadhar = '"+aadhar.getText()+"'
AND Username='"+user.getText()+"';";

            stmt=conn.createStatement();

            rs=stmt.executeQuery(query);

            if(rs.next())

            { pswrd.setText(rs.getString("Password")); }

}

     catch(Exception e) {

            JOptionPane.showMessageDialog(this,e.getMessage());

          e.printStackTrace();

        }    }

    private void formWindowOpened(java.awt.event.WindowEvent evt) {

for(double i = 0.0; i<=1.0; i+=0.1)

{    String v = i+"F";    float F = Float.valueOf(v);

    this.setOpacity(F);

    try    {    Thread.sleep(100);   }

    catch(Exception e) {}

    }    }
```

Forgot_Username


```java
package shubham;

import javax.swing.*;

import java.sql.*;

import java.util.Calendar;

import java.util.GregorianCalendar;

public class Forgot_Username extends javax.swing.JFrame {

    int xM, yM;

    Statement stmt=null;

    ResultSet rs=null;

    Connection conn=null;

    int timeRun = 0;

    public Forgot_Username() {

        initComponents();

        new Thread()

        {
```

```java
                public void run()

                {

                    while(timeRun==0)

                    {

                        Calendar cal = new GregorianCalendar();

                        int hour = cal.get(Calendar.HOUR);

                        int min = cal.get(Calendar.MINUTE);

                        int sec = cal.get(Calendar.SECOND);

                        int ap = cal.get(Calendar.AM_PM);

                        String d = "",c = "",b = "",a = "";

                        if(ap==0) d="AM";else d="PM";

                        if(sec<10) c="0"+sec;else c=""+sec;

                        if(min<10) b="0"+min;else b=""+min;

                        if(hour<10) a="0"+hour;else a=""+hour;

                        if(hour==0) a="12";

                        Clock.setText(""+a+":"+b+":"+c+" "+d);

                    }            }        }.start();    }

    private void cutActionPerformed(java.awt.event.ActionEvent evt) {

            int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");

            if(q==JOptionPane.YES_OPTION)

            {System.exit(0);}

    }

    private void backActionPerformed(java.awt.event.ActionEvent evt) {

            new Log_in().setVisible(true);

            this.setVisible(false);

    }

    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {    this.setState(Forgot_Username.ICONIFIED);    }

    private void dragMouseDragged(java.awt.event.MouseEvent evt) {

            int x = evt.getXOnScreen();

            int y = evt.getYOnScreen();
```

```java
        this.setLocation(x-xM,y-yM);

    }

    private void dragMousePressed(java.awt.event.MouseEvent evt) {

        xM=evt.getX();

        yM=evt.getY();

    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {

      try

        {

            Class.forName("com.mysql.jdbc.Driver").newInstance();
conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

            String query = "SELECT * FROM customer where FirstName =
'"+name1.getText()+"' AND MiddleName = '"+name2.getText()+"' AND
LastName = '"+name3.getText()+"' AND Aadhar = '"+aadhar.getText()+"'
AND Password='"+pswrd.getText()+"';";

            stmt=conn.createStatement();

            rs=stmt.executeQuery(query);

            if(rs.next())

            {  user.setText(rs.getString("Username"));  }

    }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(this,e.getMessage());

          e.printStackTrace();

        }    }

    private void formWindowOpened(java.awt.event.WindowEvent evt) {

for(double i = 0.0; i<=1.0; i+=0.1)

{    String v = i+"F";        float F = Float.valueOf(v);

    this.setOpacity(F);

    try {  Thread.sleep(100); }

    catch(Exception e) {}

}    }
```

Account
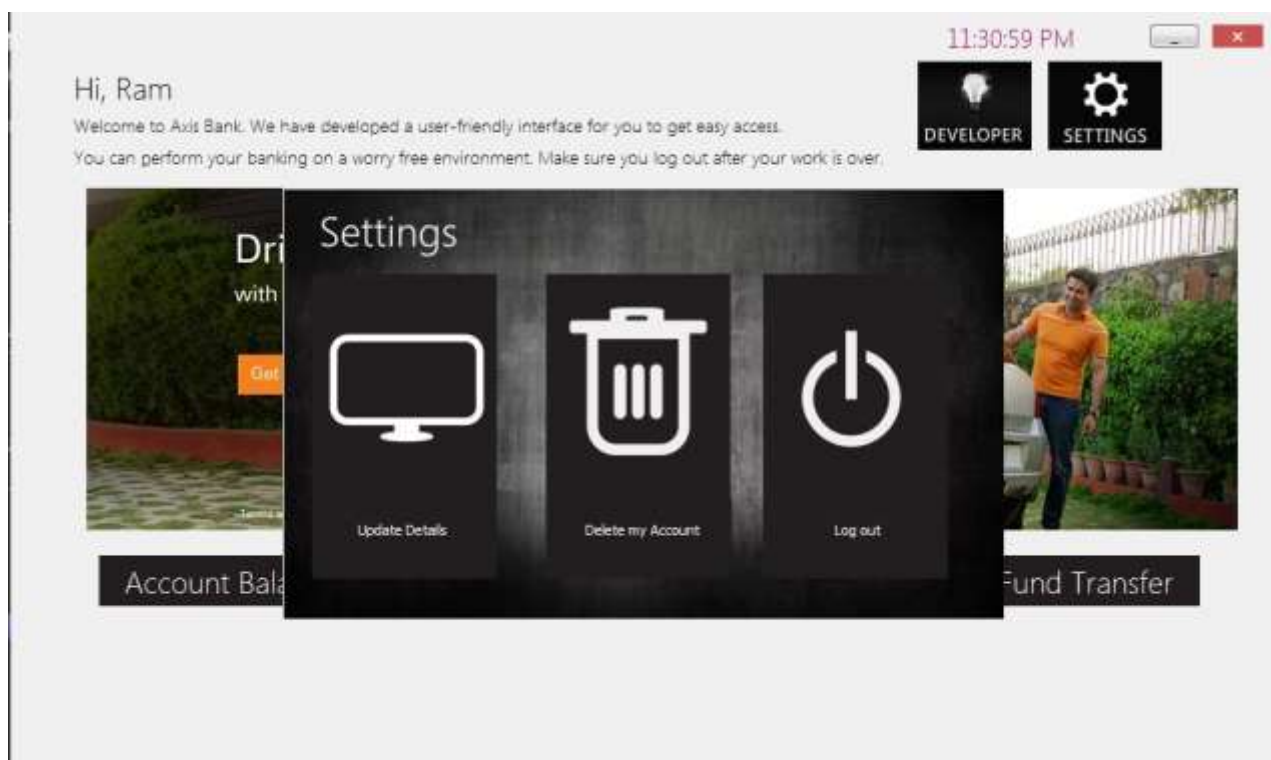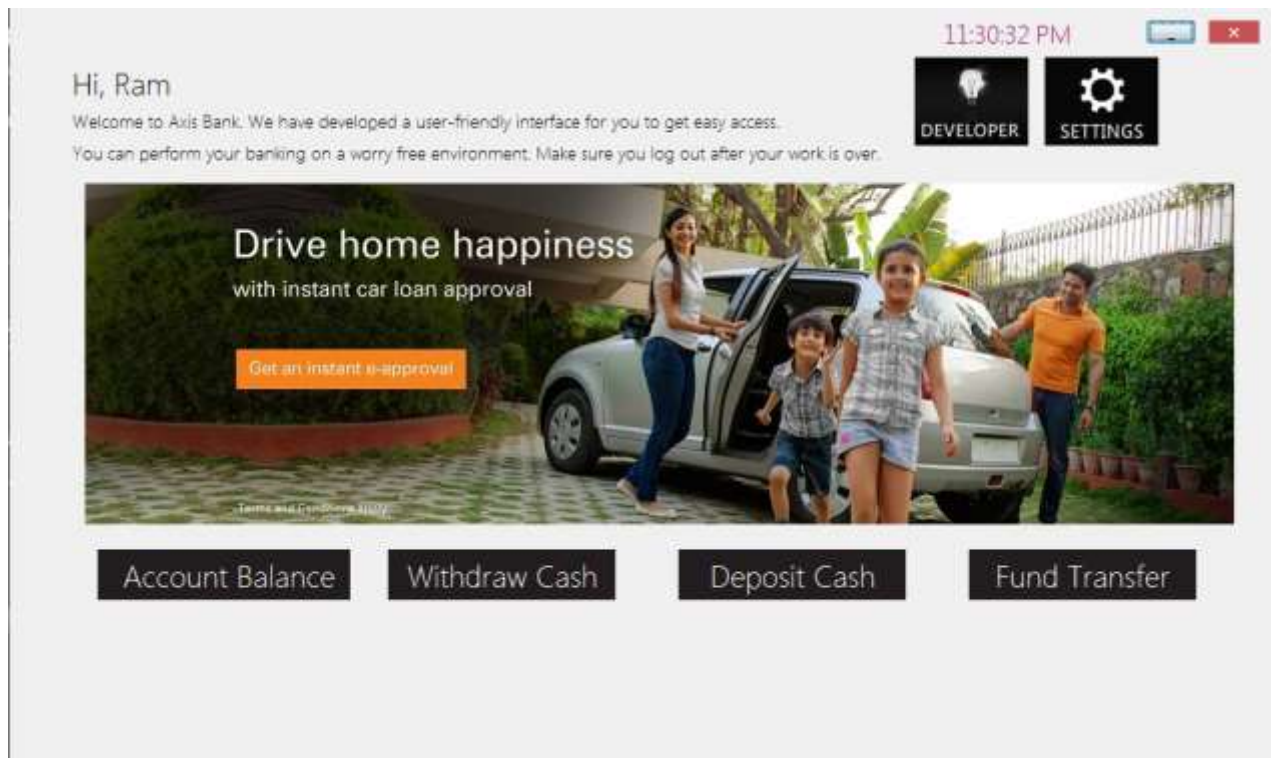

```
package shubham;

import java.sql.*;

import java.util.Calendar;
```

```java
import java.util.GregorianCalendar;

import AppPackage.AnimationClass;

import javax.swing.*;

public class Account extends javax.swing.JFrame {

int timeRun = 0;

int xM, yM;

Statement stmt=null;

ResultSet rs=null;

Connection conn=null;

String temp="";

    public Account() {

        initComponents();

    }

    public Account(String nam)

    {

        initComponents();

        new Thread()

        {

            public void run()

            {

                while(timeRun==0)

                {

                    Calendar cal = new GregorianCalendar();

                    int hour = cal.get(Calendar.HOUR);

                    int min = cal.get(Calendar.MINUTE);

                    int sec = cal.get(Calendar.SECOND);

                    int ap = cal.get(Calendar.AM_PM);

                    String d = "",c = "",b = "",a = "";

                    if(ap==0) d="AM";else d="PM";

                    if(sec<10) c="0"+sec;else c=""+sec;

                    if(min<10) b="0"+min;else b=""+min;
```

```java
                        if(hour<10) a="0"+hour;else a=""+hour;

                        if(hour==0) a="12";


                        Clock.setText(""+a+":"+b+":"+c+" "+d);

                    }

                }

            }.start();

temp=nam;

            try{

                Class.forName("com.mysql.jdbc.Driver").newInstance();


conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

                String query = "SELECT * FROM customer where Username =
'"+nam+"';";

                stmt=conn.createStatement();

                rs=stmt.executeQuery(query);

                if(rs.next())

                { nm.setText("Hi, "+rs.getString("FirstName"));}

            }

            catch(ClassNotFoundException | InstantiationException |
IllegalAccessException | SQLException e)

            {  JOptionPane.showMessageDialog(this,e.getMessage());private
void cutActionPerformed(java.awt.event.ActionEvent evt) {

            int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");

            if(q==JOptionPane.YES_OPTION)

            {System.exit(0);}      }

    private void log_outActionPerformed(java.awt.event.ActionEvent evt)
{              JOptionPane.showMessageDialog(this, "Logged out
successfully!", "Logged out",1);

        new Face_1().setVisible(true);

        this.setVisible(false);}

    private void settingsMouseReleased(java.awt.event.MouseEvent evt) {

    AnimationClass ac = new AnimationClass();
```

```java
        { ac.jLabelXLeft(1000, 215, 10, 5, stt);

          ac.jButtonYUp(600, 385, 10, 5, updt_acc);

          ac.jButtonYUp(640, 385, 10, 5, acc_del);

          ac.jButtonYUp(680, 385, 10, 5, log_out);        }        {

          ac.jLabelXRight(215, 1000, 10, 5, stt);

          ac.jButtonYDown(385, 600, 10, 5, updt_acc);

          ac.jButtonYDown(385, 640, 10, 5, acc_del);

          ac.jButtonYDown(385, 680, 10, 5, log_out);        } }
    private void transferMouseReleased(java.awt.event.MouseEvent evt) {

        new Fund_Transfer(temp).setVisible(true);

        this.setVisible(false);      }
    private void depositMouseReleased(java.awt.event.MouseEvent evt) {

        new Fund_Deposit(temp).setVisible(true);

        this.setVisible(false);       }
    private void wthdrwMouseReleased(java.awt.event.MouseEvent evt) {

        new Fund_Withdraw(temp).setVisible(true);

        this.setVisible(false);       }
    private void accbalMouseReleased(java.awt.event.MouseEvent evt) {

        new Check_Balance(temp).setVisible(true);

        this.setVisible(false);       }
    private void updt_accActionPerformed(java.awt.event.ActionEvent
evt) {   new Update_Details(temp).setVisible(true);

        this.setVisible(false);       }
    private void acc_delActionPerformed(java.awt.event.ActionEvent evt)
{      new Delete_Account(temp).setVisible(true);

        this.setVisible(false);     }
    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) { this.setState(Account.ICONIFIED); }
    private void dragMouseDragged(java.awt.event.MouseEvent evt) {

        int x = evt.getXOnScreen();

        int y = evt.getYOnScreen();

        this.setLocation(x-xM,y-yM);      }
```

```java
    private void dragMousePressed(java.awt.event.MouseEvent evt) {

        xM=evt.getX();          yM=evt.getY();      }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) { new Developer().setVisible(true);     }

    private void formWindowOpened(java.awt.event.WindowEvent evt) {

for(double i = 0.0; i<=1.0; i+=0.1)

{    String v = i+"F";

    float F = Float.valueOf(v);

    this.setOpacity(F);

    try    {   Thread.sleep(100); }

    catch(Exception e){}

}     }     }     }
```

Check_Balance
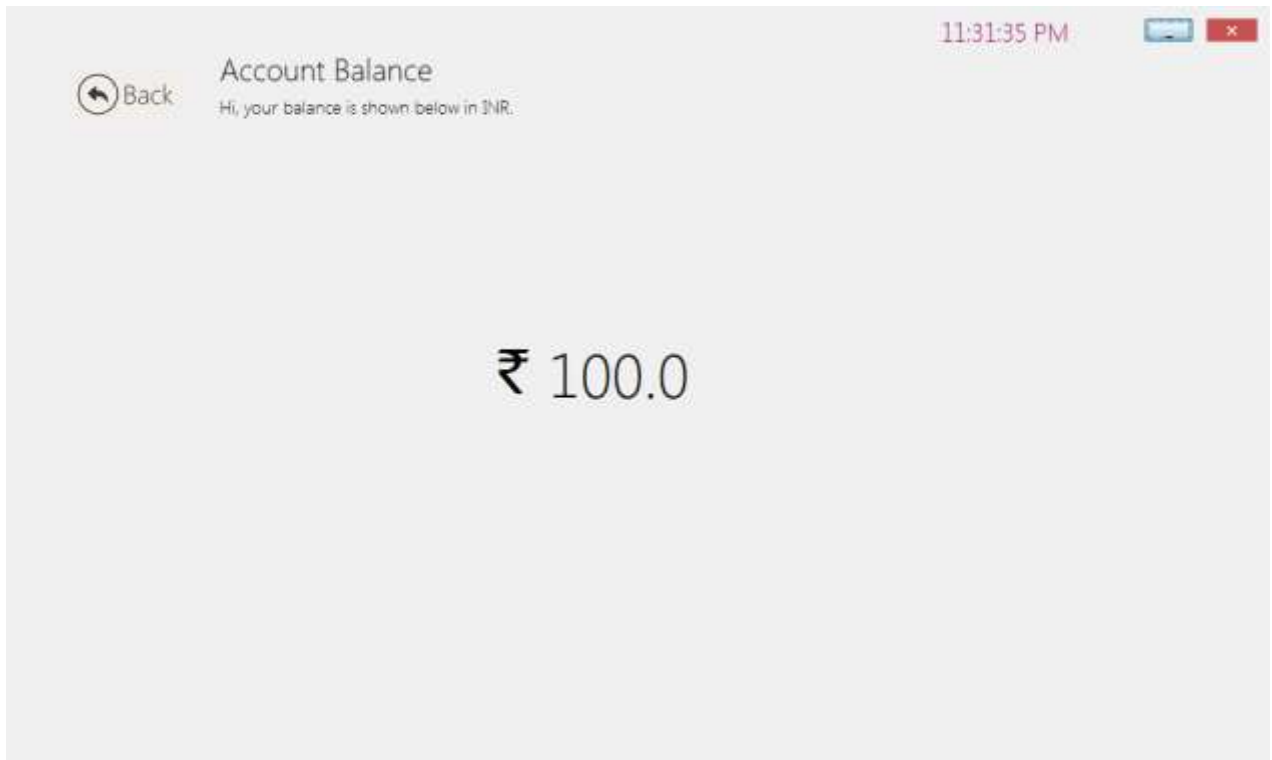

```java
package shubham;

import java.util.*;

import javax.swing.*;

import java.sql.*;

public class Check_Balance extends javax.swing.JFrame {

int timeRun = 0;

int xM, yM;

String tp="";

Statement stmt=null;

    ResultSet rs=null;

    Connection conn=null;


    public Check_Balance() {

        initComponents();

    }
```

```java
public Check_Balance(String h)
{
    initComponents();new Thread()
    {
        @Override
        public void run()
        {
            while(timeRun==0)
            {
                Calendar cal = new GregorianCalendar();


                int hour = cal.get(Calendar.HOUR);
                int min = cal.get(Calendar.MINUTE);
                int sec = cal.get(Calendar.SECOND);
                int ap = cal.get(Calendar.AM_PM);
                String d = "",c = "",b = "",a = "";
                if(ap==0) d="AM";else d="PM";
                if(sec<10) c="0"+sec;else c=""+sec;
                if(min<10) b="0"+min;else b=""+min;
                if(hour<10) a="0"+hour;else a=""+hour;
                if(hour==0) a="12";


                Clock.setText(""+a+":"+b+":"+c+" "+d);
            }
        }
    }.start();
    tp=h;
    try{
        Class.forName("com.mysql.jdbc.Driver").newInstance();
```

```java
        conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

            String query = "SELECT * FROM customer where Username =
'"+tp+"';";

            stmt=conn.createStatement();

            rs=stmt.executeQuery(query);

            if(rs.next())

            {

                rupee.setText(""+rs.getDouble("AccountBalance"));

                new Account(tp).setVisible(true);

                 this.setVisible(false);



            }

        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(this,e.getMessage());

            e.printStackTrace();

        }

    }

private void cutActionPerformed(java.awt.event.ActionEvent evt) {

        int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");

        if(q==JOptionPane.YES_OPTION)

        {System.exit(0);}

    }

    private void backActionPerformed(java.awt.event.ActionEvent evt) {

        new Account(tp).setVisible(true);

        this.setVisible(false);

    }

    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {
```

```java
            this.setState(Check_Balance.ICONIFIED);
        }

        private void dragMouseDragged(java.awt.event.MouseEvent evt) {
            int x = evt.getXOnScreen();
            int y = evt.getYOnScreen();
            this.setLocation(x-xM,y-yM);
        }

        private void dragMousePressed(java.awt.event.MouseEvent evt) {
            xM=evt.getX();
            yM=evt.getY();
        }

        private void formWindowOpened(java.awt.event.WindowEvent evt) {
for(double i = 0.0; i<=1.0; i+=0.1)
{
    String v = i+"F";
    float F = Float.valueOf(v);
    this.setOpacity(F);
    try
    {
        Thread.sleep(100);
    }
    catch(Exception e)
    {

    }


}
        }
```

Fund_Withdraw


```java
package shubham;


import AppPackage.AnimationClass;

import java.sql.*;

import java.util.*;

import javax.swing.*;

public class Fund_Withdraw extends javax.swing.JFrame {

int timeRun = 0;

int xM, yM;

Statement stmt=null;

    ResultSet rs=null;

    Connection conn=null;

    String tp="";


    public Fund_Withdraw() {

        initComponents();
```

```java
        }

        public Fund_Withdraw(String h)

        {

            initComponents();

            new Thread()

            {

                public void run()

                {

                    while(timeRun==0)

                    {

                        Calendar cal = new GregorianCalendar();

                        int hour = cal.get(Calendar.HOUR);

                        int min = cal.get(Calendar.MINUTE);

                        int sec = cal.get(Calendar.SECOND);

                        int ap = cal.get(Calendar.AM_PM);

                        String d = "",c = "",b = "",a = "";

                        if(ap==0) d="AM";else d="PM";

                        if(sec<10) c="0"+sec;else c=""+sec;

                        if(min<10) b="0"+min;else b=""+min;

                        if(hour<10) a="0"+hour;else a=""+hour;

                        if(hour==0) a="12";


                        Clock.setText(""+a+":"+b+":"+c+" "+d);

                    }

                }

            }.start();

            tp=h;

        }

    private void cutActionPerformed(java.awt.event.ActionEvent evt) {
```

```java
        int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");

        if(q==JOptionPane.YES_OPTION)

        {System.exit(0);}

    }

    private void backActionPerformed(java.awt.event.ActionEvent evt) {

        new Account(tp).setVisible(true);

        this.setVisible(false);

    }

    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {

        this.setState(Fund_Withdraw.ICONIFIED);

    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {

      AnimationClass ac = new AnimationClass();

        try

        {

            Class.forName("com.mysql.jdbc.Driver").newInstance();

conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

            String query = "UPDATE customer set
AccountBalance=AccountBalance-"+Double.parseDouble(amnt.getText())+"
WHERE Username = '"+tp+"';";

            stmt=conn.createStatement();

            stmt.executeUpdate(query);

            JOptionPane.showMessageDialog(null, "Withdraw successful");

            new Account(tp).setVisible(true);

            this.setVisible(false);

        }

        catch(Exception e)

        {   namee.setText("Oops!! Blanks are empty");

            ac.jLabelYDown(260, 290, 10, 5, namee);
```

```java
            }

        }

        private void dragMouseDragged(java.awt.event.MouseEvent evt) {

            int x = evt.getXOnScreen();

            int y = evt.getYOnScreen();

            this.setLocation(x-xM,y-yM);

        }


        private void dragMousePressed(java.awt.event.MouseEvent evt) {

            xM=evt.getX();

            yM=evt.getY();

        }


        private void formWindowOpened(java.awt.event.WindowEvent evt) {

for(double i = 0.0; i<=1.0; i+=0.1)

{

    String v = i+"F";

    float F = Float.valueOf(v);

    this.setOpacity(F);

    try

    {

        Thread.sleep(100);

    }

    catch(Exception e)

    {


    }


}

        }
```
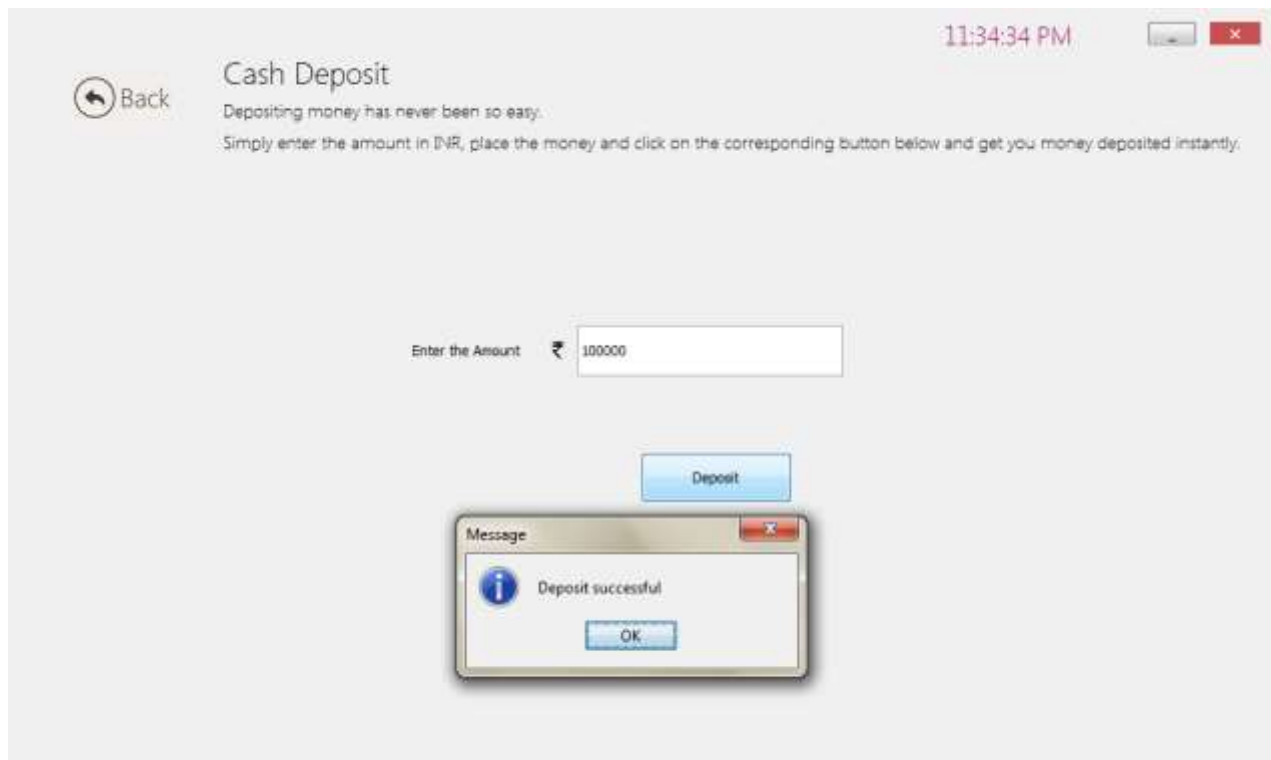
Fund_Deposit


```java
package shubham;


import AppPackage.AnimationClass;

import java.sql.*;

import java.util.*;

import javax.swing.*;


public class Fund_Deposit extends javax.swing.JFrame {

int timeRun = 0;

int xM, yM;

Statement stmt=null;

    ResultSet rs=null;

    Connection conn=null;

String tmp="";


    public Fund_Deposit() {
```

```java
            initComponents();


        }
    public Fund_Deposit(String h)
        {
            initComponents();new Thread()
            {
                @Override
                public void run()
                {
                    while(timeRun==0)
                    {
                        Calendar cal = new GregorianCalendar();


                        int hour = cal.get(Calendar.HOUR);
                        int min = cal.get(Calendar.MINUTE);
                        int sec = cal.get(Calendar.SECOND);
                        int ap = cal.get(Calendar.AM_PM);
                        String d = "",c = "",b = "",a = "";
                        if(ap==0) d="AM";else d="PM";
                        if(sec<10) c="0"+sec;else c=""+sec;
                        if(min<10) b="0"+min;else b=""+min;
                        if(hour<10) a="0"+hour;else a=""+hour;
                        if(hour==0) a="12";


                        Clock.setText(""+a+":"+b+":"+c+" "+d);
                    }
                }
            }.start();
            tmp=h;
```

```java
    }

private void cutActionPerformed(java.awt.event.ActionEvent evt) {

        int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");

        if(q==JOptionPane.YES_OPTION)

        {System.exit(0);}

    }


    private void backActionPerformed(java.awt.event.ActionEvent evt) {

        new Account(tmp).setVisible(true);

        this.setVisible(false);

    }


    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {

        this.setState(Fund_Deposit.ICONIFIED);

    }


    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {

        AnimationClass ac = new AnimationClass();


        try

        {

            Class.forName("com.mysql.jdbc.Driver").newInstance();

conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

            String query = "UPDATE customer set
AccountBalance=AccountBalance+"+Double.parseDouble(amnt.getText())+"
WHERE Username = '"+tmp+"';";

            stmt=conn.createStatement();

            stmt.executeUpdate(query);

            JOptionPane.showMessageDialog(null, "Deposit successful");
```

```java
            new Account(tmp).setVisible(true);

            this.setVisible(false);


        }

        catch(Exception e)

        {

            namee.setText("Oops!! Blanks are empty");

            ac.jLabelYDown(260, 290, 10, 5, namee);

        }

    }

    private void dragMouseDragged(java.awt.event.MouseEvent evt) {

        int x = evt.getXOnScreen();

        int y = evt.getYOnScreen();

        this.setLocation(x-xM,y-yM);

    }

    private void dragMousePressed(java.awt.event.MouseEvent evt) {

        xM=evt.getX();

        yM=evt.getY();

    }

    private void formWindowOpened(java.awt.event.WindowEvent evt) {

for(double i = 0.0; i<=1.0; i+=0.1)

{

    String v = i+"F";

    float F = Float.valueOf(v);

    this.setOpacity(F);

    try { Thread.sleep(100); }

    catch(Exception e) {}

}

    }
```
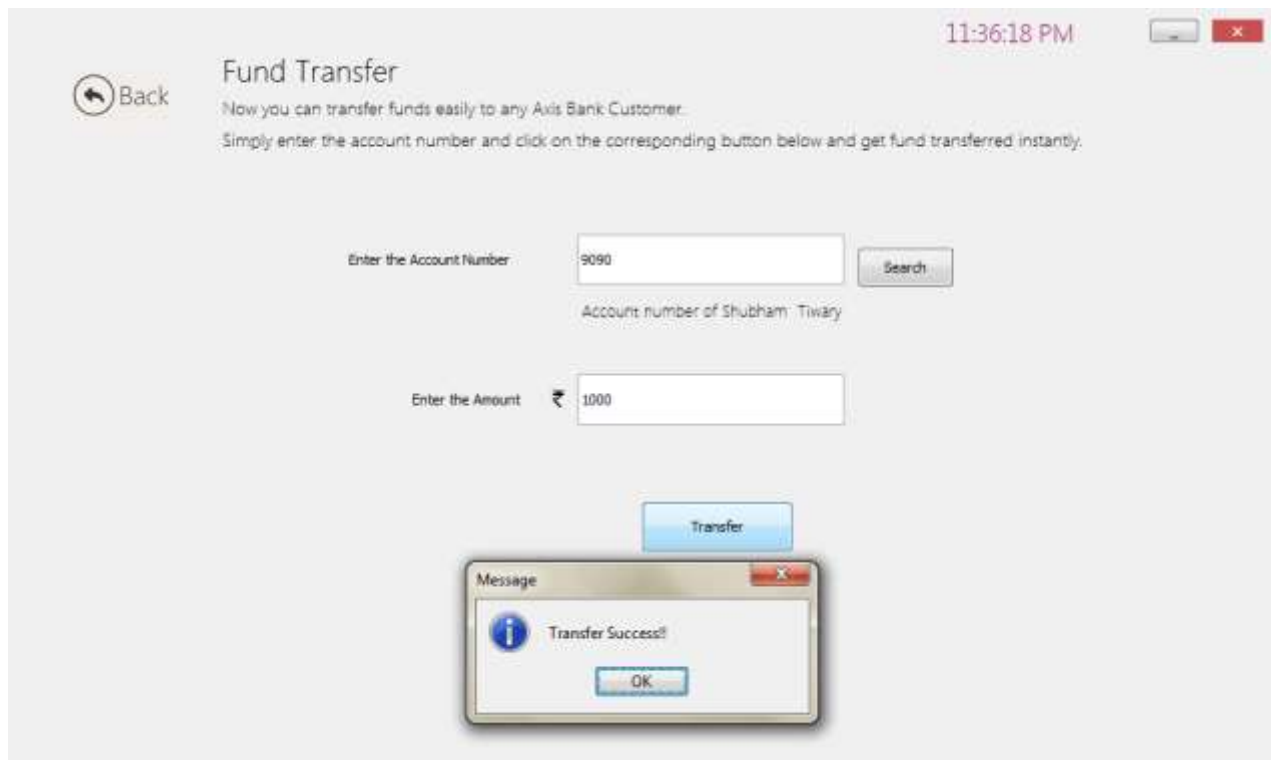
Fund_Transfer


```
package shubham;


import AppPackage.AnimationClass;

import java.util.Calendar;

import java.util.GregorianCalendar;

import javax.swing.JOptionPane;

import java.sql.*;



public class Fund_Transfer extends javax.swing.JFrame {

int timeRun = 0;

int xM, yM;

Statement stmt=null;

    ResultSet rs=null, rs1=null, rs2=null;

    Connection conn=null;

String tmp="";
```

```java
public Fund_Transfer() {

    initComponents();


}


public Fund_Transfer(String h)

{

    initComponents();

    new Thread()

    {

        @Override

        public void run()

        {

            while(timeRun==0)

            {

                Calendar cal = new GregorianCalendar();


                int hour = cal.get(Calendar.HOUR);

                int min = cal.get(Calendar.MINUTE);

                int sec = cal.get(Calendar.SECOND);

                int ap = cal.get(Calendar.AM_PM);

                String d = "",c = "",b = "",a = "";

                if(ap==0) d="AM";else d="PM";

                if(sec<10) c="0"+sec;else c=""+sec;

                if(min<10) b="0"+min;else b=""+min;

                if(hour<10) a="0"+hour;else a=""+hour;

                if(hour==0) a="12";


                Clock.setText(""+a+":"+b+":"+c+" "+d);
```

```java
                }

            }

        }.start();

        tmp=h;

    }

private void cutActionPerformed(java.awt.event.ActionEvent evt) {

        int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");

        if(q==JOptionPane.YES_OPTION)

        {System.exit(0);}

    }


    private void backActionPerformed(java.awt.event.ActionEvent evt) {

        new Account(tmp).setVisible(true);

        this.setVisible(false);

    }


    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {

        this.setState(Fund_Transfer.ICONIFIED);

    }


    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {

            AnimationClass ac = new AnimationClass();

             int opn=JOptionPane.showConfirmDialog(null, "Want to
transfer?");


             if(opn==JOptionPane.YES_OPTION)

             {

                 try

                 {
```

```java
        Class.forName("com.mysql.jdbc.Driver").newInstance();


conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

                        stmt=conn.createStatement();

                        String qu="UPDATE customer set
AccountBalance=AccountBalance+"+Double.parseDouble(amnt.getText())+"
where Account_num = "+Integer.parseInt(acntno.getText())+";";

                        stmt.executeUpdate(qu);

                        String qu2 ="UPDATE customer set
AccountBalance=AccountBalance-"+Double.parseDouble(amnt.getText())+"
where Username = '"+tmp+"';";

                        stmt.executeUpdate(qu2);

                        JOptionPane.showMessageDialog(null,"Transfer
Success!!");


                }

                catch (Exception e)

                {

                        JOptionPane.showMessageDialog(null, e);

                }

        }




    }


    private void dragMouseDragged(java.awt.event.MouseEvent evt) {

        int x = evt.getXOnScreen();

        int y = evt.getYOnScreen();
```

```java
        this.setLocation(x-xM,y-yM);

    }


    private void dragMousePressed(java.awt.event.MouseEvent evt) {

        xM=evt.getX();

        yM=evt.getY();

    }


    private void jButton2ActionPerformed(java.awt.event.ActionEvent
evt) {

        AnimationClass ac = new AnimationClass();




        try

        {

             Class.forName("com.mysql.jdbc.Driver").newInstance();

conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

            stmt=conn.createStatement();

            String query = "SELECT * FROM customer where Account_num =
"+acntno.getText()+";";

            rs=stmt.executeQuery(query);


            if(rs.next())

            {

                namee.setText("Account number of
"+rs.getString("FirstName")+" "+rs.getString("MiddleName")+"
"+rs.getString("LastName"));

                ac.jLabelYDown(190, 230, 10, 5, namee);

            }

            else

            {
```

```java
                namee.setText("No such records found");

                ac.jLabelYDown(190, 230, 10, 5, namee);

            }


        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(null,"Error!!");

            namee.setText("Oops!! Blanks are empty");

            ac.jLabelYDown(190, 230, 10, 5, namee);

        }

    }


    private void formWindowOpened(java.awt.event.WindowEvent evt) {

for(double i = 0.0; i<=1.0; i+=0.1)

{

    String v = i+"F";

    float F = Float.valueOf(v);

    this.setOpacity(F);

    try

    {

        Thread.sleep(100);

    }

    catch(Exception e)

    {


    }


}

    }
```

Update_Details


```java
package shubham;



import java.sql.*;

import java.util.Calendar;

import java.util.GregorianCalendar;

import javax.swing.JOptionPane;



public class Update_Details extends javax.swing.JFrame {

int timeRun = 0;

 int xM, yM;Statement stmt=null;

    ResultSet rs=null;

    Connection conn=null;

    String u="";
```

```java
    public Update_Details() {

        initComponents();

    }

    public Update_Details(String t) {

        initComponents();

         new Thread()

        {

            public void run()

            {

                while(timeRun==0)

                {

                    Calendar cal = new GregorianCalendar();


                    int hour = cal.get(Calendar.HOUR);

                    int min = cal.get(Calendar.MINUTE);

                    int sec = cal.get(Calendar.SECOND);

                    int ap = cal.get(Calendar.AM_PM);

                    String d = "",c = "",b = "",a = "";

                    if(ap==0) d="AM";else d="PM";

                    if(sec<10) c="0"+sec;else c=""+sec;

                    if(min<10) b="0"+min;else b=""+min;

                    if(hour<10) a="0"+hour;else a=""+hour;

                    if(hour==0) a="12";


                    Clock.setText(""+a+":"+b+":"+c+" "+d);

                }

            }

        }.start();

        u=t;

        try
```

```
        {

            Class.forName("com.mysql.jdbc.Driver").newInstance();

conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

            String query = "SELECT * FROM customer where Username =
'"+t+"';";

            stmt=conn.createStatement();

            rs=stmt.executeQuery(query);

            if(rs.next())

            {

                name1.setText(rs.getString("FirstName"));

                name2.setText(rs.getString("MiddleName"));

                name3.setText(rs.getString("LastName"));

                gender.setSelectedItem(rs.getString("Gender"));

                father.setText(rs.getString("Father"));

                mother.setText(rs.getString("Mother"));

                address.setText(rs.getString("Address"));

                dob.setText(rs.getString("DOB"));

                state.setSelectedItem(rs.getString("State"));

                mobile.setText(rs.getString("Mobile"));

                pincode.setText(rs.getString("Pincode"));

                aadhar.setText(rs.getString("Aadhar"));

                email.setText(rs.getString("Email"));

                username.setText(rs.getString("Username"));

                pass.setText(rs.getString("Password"));

                acc.setText(rs.getString("Account_num"));

            }


        }


        catch(Exception e)
```

```java
        {
             JOptionPane.showMessageDialog(this,e.getMessage());
           e.printStackTrace();



        }

    }

private void cutActionPerformed(java.awt.event.ActionEvent evt) {

        int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");

        if(q==JOptionPane.YES_OPTION)

        {System.exit(0);}

    }


    private void backActionPerformed(java.awt.event.ActionEvent evt) {

        new Account(u).setVisible(true);

        this.setVisible(false);

    }

    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {

        this.setState(Update_Details.ICONIFIED);     }

    private void dragMouseDragged(java.awt.event.MouseEvent evt) {

        int x = evt.getXOnScreen();

        int y = evt.getYOnScreen();

        this.setLocation(x-xM,y-yM);

    }

    private void dragMousePressed(java.awt.event.MouseEvent evt) {

        xM=evt.getX();

        yM=evt.getY();

    }


    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {
```

```java
        try {

                Class.forName("com.mysql.jdbc.Driver").newInstance();


conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

                String query = "UPDATE customer SET FirstName =
'"+name1.getText()+"',MiddleName='"+name2.getText()+"',LastName='"+name
3.getText()+"',Gender='"+gender.getSelectedItem()+"',Father='"+father.g
etText()+"',Mother='"+mother.getText()+"',Address='"+address.getText()+
"',DOB='"+dob.getText()+"',State='"+state.getSelectedItem()+"',Mobile='
"+Long.parseLong(mobile.getText())+"',Pincode='"+Integer.parseInt(pinco
de.getText())+"',Email='"+email.getText()+"',Username='"+username.getTe
xt()+"',Password='"+pass.getText()+"' WHERE Username = '"+u+"';";

                stmt=conn.createStatement();

                stmt.executeUpdate(query);

            JOptionPane.showMessageDialog(this,"Account Updated
Successfully");

        }

      catch(Exception e)

        {

            JOptionPane.showMessageDialog(this,e.getMessage());

          e.printStackTrace();

        }

    }

    private void formWindowOpened(java.awt.event.WindowEvent evt) {

for(double i = 0.0; i<=1.0; i+=0.1)

{

    String v = i+"F";

    float F = Float.valueOf(v);

    this.setOpacity(F);

    try { Thread.sleep(100);}

    catch(Exception e){}

}    }
```
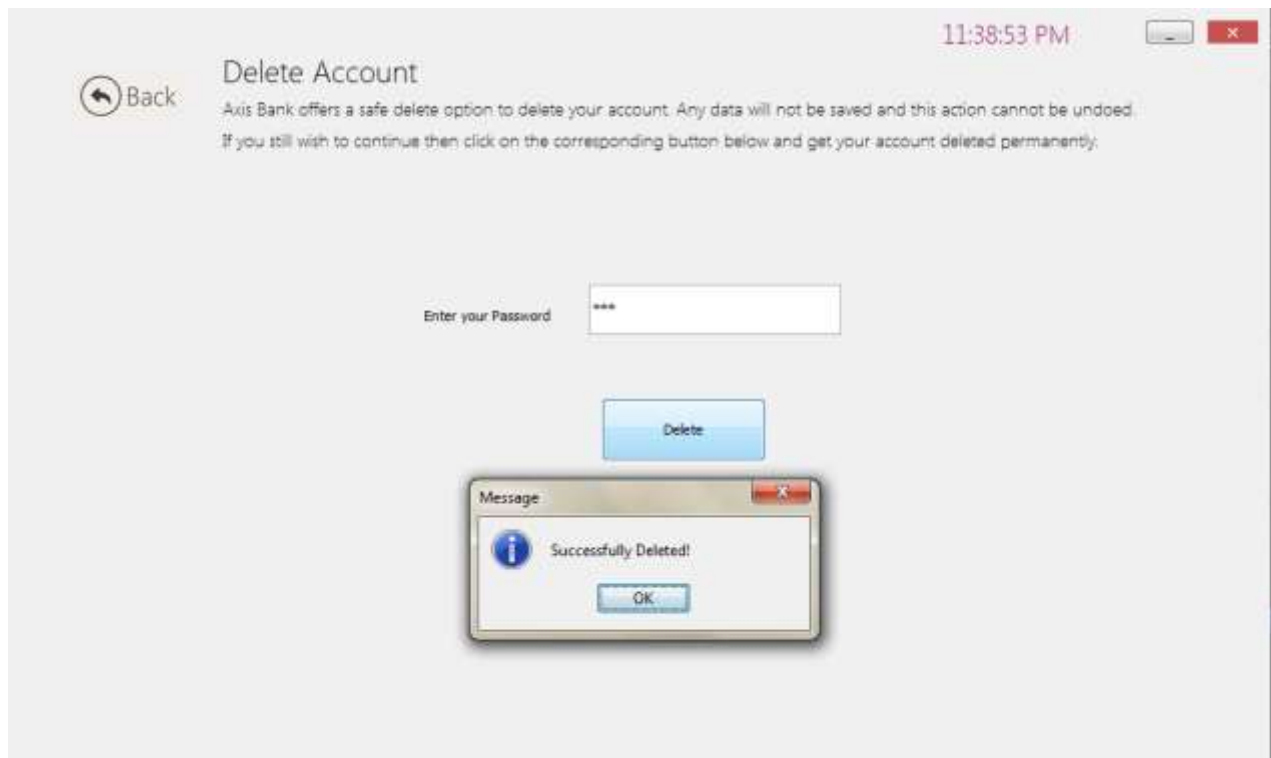
Delete_Account


```java
package shubham;


import java.sql.*;

import java.util.Calendar;

import java.util.GregorianCalendar;

import javax.swing.JOptionPane;


public class Delete_Account extends javax.swing.JFrame {

int timeRun = 0;

 int xM, yM;

 String tp="";

Statement stmt=null;

    ResultSet rs=null;

    Connection conn=null;


    public Delete_Account() {
```

```java
        initComponents();
    }

    public Delete_Account(String st) {
        initComponents();new Thread()
        {
            public void run()
            {
                while(timeRun==0)
                {
                    Calendar cal = new GregorianCalendar();


                    int hour = cal.get(Calendar.HOUR);
                    int min = cal.get(Calendar.MINUTE);
                    int sec = cal.get(Calendar.SECOND);
                    int ap = cal.get(Calendar.AM_PM);
                    String d = "",c = "",b = "",a = "";
                    if(ap==0) d="AM";else d="PM";
                    if(sec<10) c="0"+sec;else c=""+sec;
                    if(min<10) b="0"+min;else b=""+min;
                    if(hour<10) a="0"+hour;else a=""+hour;
                    if(hour==0) a="12";


                    Clock.setText(""+a+":"+b+":"+c+" "+d);
                }
            }
        }.start();

        tp=st;


    }
    private void cutActionPerformed(java.awt.event.ActionEvent evt) {
```

```java
        int q = JOptionPane.showConfirmDialog(null, "Do you want to
exit");

        if(q==JOptionPane.YES_OPTION)

        {System.exit(0);}

    }


    private void backActionPerformed(java.awt.event.ActionEvent evt) {

        new Account(tp).setVisible(true);

        this.setVisible(false);

    }


    private void minimizeActionPerformed(java.awt.event.ActionEvent
evt) {

        this.setState(Delete_Account.ICONIFIED);

    }


    private void dragMouseDragged(java.awt.event.MouseEvent evt) {

        int x = evt.getXOnScreen();

        int y = evt.getYOnScreen();

        this.setLocation(x-xM,y-yM);

    }


    private void dragMousePressed(java.awt.event.MouseEvent evt) {

        xM=evt.getX();

        yM=evt.getY();

    }


    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {

try

        {

            Class.forName("com.mysql.jdbc.Driver").newInstance();
```

```java
conn=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/bank","root","password");

            String query = "SELECT * FROM customer where Username =
'"+tp+"' AND Password = '"+pswrd.getText()+"';";

            stmt=conn.createStatement();

            rs=stmt.executeQuery(query);

            if(rs.next())

            {

                int q = JOptionPane.showConfirmDialog(null, "Do you
want to delete?");

                if(q==JOptionPane.YES_OPTION)

                {

                    stmt=conn.createStatement();

                    String str="DELETE FROM customer where Username =
'"+tp+"';";

                    stmt.executeUpdate(str);

                    JOptionPane.showMessageDialog(null, "Successfully
Deleted!");


                }

                new Face_1().setVisible(true);

                this.setVisible(false);


            }

        }


        catch(Exception e)

        {

            JOptionPane.showMessageDialog(this,e);


        }

    }
```

```java
    private void formWindowOpened(java.awt.event.WindowEvent evt) {
for(double i = 0.0; i<=1.0; i+=0.1)
{
    String v = i+"F";
    float F = Float.valueOf(v);
    this.setOpacity(F);
    try
    {
        Thread.sleep(100);
    }
    catch(Exception e)
    {

    }

}
    }
```