**MOBILE PREPAID RECHARGING SYSTEM**

**Done by :**

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**DESIGN :**

Here I am adding an online mobile recharge application and online calling system. It is coded in Java. It is a java desktop application using pure java only and simulates online mobile recharge and calling. It is done using Netbeans IDE. I am posting the link to the netbeans project file. You can simply download it and see it using notepad or Netbeans IDE. This is a simple java SE desktop application using files to simulate online mobile recharge and online payment using debit card or credit card. Input validation, reading or writing objects from or to files, using arrays (ArrayList) of objects, displaying or showing multiple lines using JLabel, using HTML formating for JLabel text etc are features.

**SOURCE CODE:**

//Javaapplication11

package javaapplication11;

public class JavaApplication11 {

public static void main(String[] args) {

main ps=new main();

ps.setVisible(true);

}

}

//Main

package javaapplication11;

public class main extends javax.swing.JFrame {

public main() {

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N

jLabel1.setText("WELCOME TO JYOSMITH MOBILE SERVICE");

jButton1.setText("CALL");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("RECHARGE");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N

jLabel2.setText("SELECT THE FACITY YOU NEED:");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(137, 137, 137)

.addComponent(jButton1)

.addGap(128, 128, 128)

.addComponent(jButton2))

.addGroup(layout.createSequentialGroup()

.addGap(161, 161, 161)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 211, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(104, 104, 104)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 369, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(133, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(37, 37, 37)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(35, 35, 35)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(39, 39, 39)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1)

.addComponent(jButton2))

.addContainerGap(111, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

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

PlanSelector ps= new PlanSelector();

ps.setVisible(true);

}

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

Call1 c= new Call1();

c.setVisible(true);

}

public static void main(String args[]) {

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new main().setVisible(true);

}

});

}

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

// End of variables declaration

}

//Plan selector

package javaapplication11;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileOutputStream;

import java.io.IOException;

import java.io.ObjectInputStream;

import java.io.ObjectOutputStream;

import java.util.ArrayList;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

public class PlanSelector extends javax.swing.JFrame {

ArrayList<PhoneNumber> numbs=new ArrayList<>();

public PlanSelector() {

initComponents();

setLocationRelativeTo(null);

File accs=new File("jyotsna");

if(accs.exists()==false)

{

try {

accs.createNewFile();

ArrayList<Accounts> accounts=new ArrayList<>();

Accounts accc;

accc=new Accounts(12345678l,500,"password1");

accounts.add(accc);

accc=new Accounts(12345679l,200,"password2");

accounts.add(accc);

accc=new Accounts(12345680l,600,"password3");

accounts.add(accc);

accc=new Accounts(12345681l,1000,"password4");

accounts.add(accc);

ObjectOutputStream oos=new ObjectOutputStream(new FileOutputStream(accs));

oos.writeObject((Object)accounts);

oos.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

}

}

File nums=new File("ssmitha");

if(nums.exists()==false)

{

try {

nums.createNewFile();

PhoneNumber pn;

pn=new PhoneNumber(9847510388l,"Idea",15);

numbs.add(pn);

pn=new PhoneNumber(9514600078l,"Airtel",24);

numbs.add(pn);

pn=new PhoneNumber(9551554265l,"BSNL",36);

numbs.add(pn);

pn=new PhoneNumber(9600024492l,"Vodafone",67);

numbs.add(pn);

pn=new PhoneNumber(8600435647l,"Idea",00);

numbs.add(pn);

pn=new PhoneNumber(8943438222l,"Airtel",8);

numbs.add(pn);

pn=new PhoneNumber(8943438223l,"BSNL",60);

numbs.add(pn);

pn=new PhoneNumber(8943438224l,"Vodafone",55);

numbs.add(pn);

pn=new PhoneNumber(8608998568l,"Idea",34);

numbs.add(pn);

pn=new PhoneNumber(9872538475l,"Airtel",23);

numbs.add(pn);

pn=new PhoneNumber(7839482374l,"Vodafone",18);

numbs.add(pn);

pn=new PhoneNumber(8600263956l,"BSNL",60);

numbs.add(pn);

pn=new PhoneNumber(9583057291l,"Idea",39);

numbs.add(pn);

pn=new PhoneNumber(8025498264l,"BSNL",43);

numbs.add(pn);

pn=new PhoneNumber(8743027510l,"Airtel",42);

numbs.add(pn);

pn=new PhoneNumber(9536078365l,"Vodafone",14);

numbs.add(pn);

pn=new PhoneNumber(9634234549l,"Airtel",23);

numbs.add(pn);

pn=new PhoneNumber(8356453856l,"Idea",37);

numbs.add(pn);

ObjectOutputStream os=new ObjectOutputStream(new FileOutputStream(nums));

os.writeObject((Object)numbs);

os.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

txt\_mobNum = new javax.swing.JTextField();

jLabel2 = new javax.swing.JLabel();

btn\_proceed = new javax.swing.JButton();

btn\_clear = new javax.swing.JButton();

combo\_denomination = new javax.swing.JComboBox();

jLabel3 = new javax.swing.JLabel();

combo\_operator = new javax.swing.JComboBox();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setText("Mobile Number");

txt\_mobNum.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

txt\_mobNumActionPerformed(evt);

}

});

jLabel2.setText("Select Denomination");

btn\_proceed.setText("Proceed");

btn\_proceed.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btn\_proceedActionPerformed(evt);

}

});

btn\_clear.setText("Clear");

btn\_clear.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btn\_clearActionPerformed(evt);

}

});

combo\_denomination.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "INR 10 ", "INR 20 ", "INR 30 ", "INR 50 ", "INR 100 ", "INR 200 ", "INR 300 ", "INR 500 " }));

combo\_denomination.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

combo\_denominationActionPerformed(evt);

}

});

jLabel3.setText("Select Operator");

combo\_operator.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Idea", "Airtel", "BSNL", "Vodafone" }));

combo\_operator.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

combo\_operatorActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap(67, Short.MAX\_VALUE)

.addComponent(btn\_clear, javax.swing.GroupLayout.PREFERRED\_SIZE, 91, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(40, 40, 40)

.addComponent(btn\_proceed, javax.swing.GroupLayout.PREFERRED\_SIZE, 102, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(76, 76, 76))

.addGroup(layout.createSequentialGroup()

.addGap(28, 28, 28)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, 120, Short.MAX\_VALUE))

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(txt\_mobNum)

.addComponent(combo\_denomination, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(combo\_operator, 0, 142, Short.MAX\_VALUE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3)

.addComponent(combo\_operator, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txt\_mobNum, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel2)

.addComponent(combo\_denomination, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(37, 37, 37)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(btn\_proceed)

.addComponent(btn\_clear))

.addContainerGap(51, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void btn\_proceedActionPerformed(java.awt.event.ActionEvent evt) {

try{

if(Long.parseLong(txt\_mobNum.getText())<6999999999l||Long.parseLong(txt\_mobNum.getText())>9999999999l)

throw new Exception("Invalid Mobile Number");

File nums=new File("ssmitha");

try {

ObjectInputStream iiis=new ObjectInputStream(new FileInputStream(nums));

numbs=(ArrayList<PhoneNumber>)iiis.readObject();

iiis.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

} catch (ClassNotFoundException ex) {

Logger.getLogger(Payment.class.getName()).log(Level.SEVERE, null, ex);

}

boolean numfound=false;

int i;

for(i=0;i<numbs.size();i++)

{

if(Long.parseLong(txt\_mobNum.getText())==numbs.get(i).mobno)

{

numfound=true;

break;

}

}

if(numfound&&numbs.get(i).Operator.equals((String)combo\_operator.getSelectedItem()))

{

Payment p=new Payment(Long.parseLong(txt\_mobNum.getText()),(String)combo\_operator.getSelectedItem(),(String)combo\_denomination.getSelectedItem());

p.setVisible(true);

this.dispose();

}

else

throw new Exception("Phone number does not exist or incorrect operator selected");

}catch(Exception ex)

{

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

}

}

private void btn\_clearActionPerformed(java.awt.event.ActionEvent evt) {

txt\_mobNum.setText("");

combo\_denomination.setSelectedIndex(0);

combo\_operator.setSelectedIndex(0);

}

private void combo\_operatorActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void txt\_mobNumActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void combo\_denominationActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

// Variables declaration - do not modify

private javax.swing.JButton btn\_clear;

private javax.swing.JButton btn\_proceed;

private javax.swing.JComboBox combo\_denomination;

private javax.swing.JComboBox combo\_operator;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JTextField txt\_mobNum;

// End of variables declaration

}

//Phone number

package javaapplication11;

import java.io.Serializable;

public class PhoneNumber implements Serializable{

public long mobno;

public String Operator;

public int balance;

public PhoneNumber(long num,String op, int bal)

{

mobno=num;

Operator=op;

balance=bal;

}

}

//Accounts

package javaapplication11;

import java.io.Serializable;

public class Accounts implements Serializable{

public long cardNo;

public int balance;

public String password;

public Accounts(long l,int i,String password1){

cardNo=l;

balance=i;

password=password1;

}

}

//Payment

package javaapplication11;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileOutputStream;

import java.io.IOException;

import java.io.ObjectInputStream;

import java.io.ObjectOutputStream;

import java.util.ArrayList;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

public class Payment extends javax.swing.JFrame {

long mobno;

String operator;

String Denom;

ArrayList<Accounts> accounts=new ArrayList<>();

ArrayList<PhoneNumber> phones=new ArrayList<>();

public Payment(long MobNo,String Operator, String Denomination) {

initComponents();

setLocationRelativeTo(null);

mobno=MobNo;

operator=Operator;

Denom=Denomination;

File accs=new File("jyotsna");

try {

ObjectInputStream is=new ObjectInputStream(new FileInputStream(accs));

accounts=(ArrayList<Accounts>)is.readObject();

is.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

} catch (ClassNotFoundException ex) {

Logger.getLogger(Payment.class.getName()).log(Level.SEVERE, null, ex);

}

File nums=new File("ssmitha");

try {

ObjectInputStream iis=new ObjectInputStream(new FileInputStream(nums));

phones=(ArrayList<PhoneNumber>)iis.readObject();

iis.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

} catch (ClassNotFoundException ex) {

Logger.getLogger(Payment.class.getName()).log(Level.SEVERE, null, ex);

}

txt\_amount.setText(Denom.substring(Denom.indexOf(" ")+1,Denom.lastIndexOf(" ")));

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

txt\_cardNum = new javax.swing.JTextField();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

txt\_password = new javax.swing.JPasswordField();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

txt\_amount = new javax.swing.JTextField();

jLabel6 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setText("Debit/Credit Card Number");

jLabel2.setText("3D Secure Password");

jLabel3.setText("Merchant");

jLabel4.setText("PayTM Online recharge");

jLabel5.setText("Amount");

txt\_amount.setEditable(false);

jLabel6.setText("JYOSMITH Online Payment");

jButton1.setText("Proceed");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(52, 52, 52)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 139, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 139, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(28, 28, 28)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 130, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 130, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(txt\_cardNum)

.addComponent(txt\_password)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, 167, Short.MAX\_VALUE)

.addComponent(txt\_amount)))

.addGroup(layout.createSequentialGroup()

.addGap(167, 167, 167)

.addComponent(jButton1)))

.addContainerGap(64, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(txt\_amount, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel5))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, 25, Short.MAX\_VALUE)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(txt\_cardNum, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 20, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(txt\_password, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2))

.addGap(18, 18, 18)

.addComponent(jButton1)

.addContainerGap())

);

pack();

}// </editor-fold>

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

try{

long c;

if(Long.parseLong(txt\_cardNum.getText())<10000000)

throw new Exception("Invalid card number");

else

c=Long.parseLong(txt\_cardNum.getText());

String p=txt\_password.getText();

boolean found=false;

int i;

for(i=0;i<accounts.size();i++)

{

if(accounts.get(i).cardNo==c)

{

found=true;

break;

}

}

if(found==false)

throw new Exception("Invalid account number");

else if(accounts.get(i).password.equals(p)==false)

{

throw new Exception("Incorect password");

}

else if(accounts.get(i).balance<Integer.parseInt(Denom.substring(Denom.indexOf(" ")+1,Denom.lastIndexOf(" "))))

throw new Exception("Insufficient balance");

else

{

accounts.get(i).balance-=Integer.parseInt(Denom.substring(Denom.indexOf(" ")+1,Denom.lastIndexOf(" ")));

for(i=0;i<phones.size();i++)

{

if(phones.get(i).mobno==mobno)

break;

}

phones.get(i).balance+=Integer.parseInt(Denom.substring(Denom.indexOf(" ")+1,Denom.lastIndexOf(" ")));

int newbalance=phones.get(i).balance;

File accs=new File("jyotsna");

try {

if(accs.exists())

accs.delete();

accs.createNewFile();

ObjectOutputStream ooos=new ObjectOutputStream(new FileOutputStream(accs));

ooos.writeObject((Object)accounts);

ooos.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

}

File nums=new File("ssmitha");

try {

if(nums.exists())

nums.delete();

nums.createNewFile();

ObjectOutputStream o=new ObjectOutputStream(new FileOutputStream(nums));

o.writeObject((Object)phones);

o.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

}

Summary summ=new Summary(mobno,operator,Denom,newbalance);

summ.setVisible(true);

this.dispose();

}

}

catch(Exception ex)

{

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

ex.printStackTrace();

}

}

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JTextField txt\_amount;

private javax.swing.JTextField txt\_cardNum;

private javax.swing.JPasswordField txt\_password;

// End of variables declaration

}

//Summary

package javaapplication11;

public class Summary extends javax.swing.JFrame {

public Summary(long mobno,String operato,String Denom,int newbal) {

initComponents();

setLocationRelativeTo(null);

String loader="<HTML><font size=\"5\">Your <b>"+operato+"</b> "+"Mobile <b>"+Long.toString(mobno)+"</b> has been recharged with <b>"+Denom+"and your new balance is INR "+Integer.toString(newbal)+"</b></font></HTML>";

jLabel1.setText(loader);

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel2.setText("Recharge Successful");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 194, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(30, 30, 30)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 326, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(44, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(25, 25, 25)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 117, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(110, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

// Variables declaration - do not modify

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

// End of variables declaration

}

//Call1

package javaapplication11;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileOutputStream;

import java.io.IOException;

import java.io.ObjectInputStream;

import java.io.ObjectOutputStream;

import static java.lang.Integer.parseInt;

import static java.lang.Thread.sleep;

import java.util.ArrayList;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

public class Call1 extends javax.swing.JFrame {

static int milliseconds = 0;

static int seconds = 0;

static int minutes = 0;

static int hours = 0;

int bal,x;

static boolean state=true;

ArrayList<PhoneNumber> numbs=new ArrayList<>();

public Call1() {

initComponents();

setLocationRelativeTo(null);

File nums=new File("ssmitha");

if(nums.exists()==false)

{

try {

nums.createNewFile();

PhoneNumber pn;

pn=new PhoneNumber(9847510388l,"Idea",15);

numbs.add(pn);

pn=new PhoneNumber(9514600078l,"Airtel",24);

numbs.add(pn);

pn=new PhoneNumber(9551554265l,"BSNL",36);

numbs.add(pn);

pn=new PhoneNumber(9600024492l,"Vodafone",67);

numbs.add(pn);

pn=new PhoneNumber(8600435647l,"Idea",00);

numbs.add(pn);

pn=new PhoneNumber(8943438222l,"Airtel",8);

numbs.add(pn);

pn=new PhoneNumber(8943438223l,"BSNL",60);

numbs.add(pn);

pn=new PhoneNumber(8943438224l,"Vodafone",55);

numbs.add(pn);

pn=new PhoneNumber(8608998568l,"Idea",34);

numbs.add(pn);

pn=new PhoneNumber(9872538475l,"Airtel",23);

numbs.add(pn);

pn=new PhoneNumber(7839482374l,"Vodafone",18);

numbs.add(pn);

pn=new PhoneNumber(8600263956l,"BSNL",60);

numbs.add(pn);

pn=new PhoneNumber(9583057291l,"Idea",39);

numbs.add(pn);

pn=new PhoneNumber(8025498264l,"BSNL",43);

numbs.add(pn);

pn=new PhoneNumber(8743027510l,"Airtel",42);

numbs.add(pn);

pn=new PhoneNumber(9536078365l,"Vodafone",14);

numbs.add(pn);

pn=new PhoneNumber(9634234549l,"Airtel",23);

numbs.add(pn);

pn=new PhoneNumber(8356453856l,"Idea",37);

numbs.add(pn);

ObjectOutputStream os=new ObjectOutputStream(new FileOutputStream(nums));

os.writeObject((Object)numbs);

os.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

txt\_mobile = new javax.swing.JTextField();

txt\_mobile1 = new javax.swing.JTextField();

combo = new javax.swing.JComboBox<>();

second = new javax.swing.JTextField();

millisecond = new javax.swing.JTextField();

minute = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N

jLabel1.setText("JYOSMITH online call system");

jLabel2.setText("YOUR MOBILE NUMBER:");

jLabel3.setText("SELECT OPERATOR:");

jLabel4.setText("(calling)MOBILE NUMBER:");

txt\_mobile.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

txt\_mobileActionPerformed(evt);

}

});

combo.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Idea", "Airtel", "BSNL", "Vodafone" }));

combo.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

comboActionPerformed(evt);

}

});

second.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

second.setText("00:");

millisecond.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

millisecond.setText("00");

minute.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

minute.setText("00:");

minute.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

minuteActionPerformed(evt);

}

});

jButton1.setText("CALL");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("END CALL");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(52, 52, 52)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 79, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txt\_mobile, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(combo, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txt\_mobile1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(86, 86, 86))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(120, 120, 120)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 165, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(101, 101, 101)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jButton1)

.addComponent(minute, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(second, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(millisecond, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(73, 73, 73)

.addComponent(jButton2)))))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(38, 38, 38)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 23, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 23, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 21, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 21, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(txt\_mobile, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(combo, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(txt\_mobile1, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(28, 28, 28)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(millisecond, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(second, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(minute, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 28, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1)

.addComponent(jButton2))

.addGap(21, 21, 21))

);

pack();

}// </editor-fold>

private void txt\_mobileActionPerformed(java.awt.event.ActionEvent evt) {

}

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

}

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

try{

if(Long.parseLong(txt\_mobile.getText())<6999999999l||Long.parseLong(txt\_mobile.getText())>9999999999l)

throw new Exception("Invalid Mobile Number");

File nums=new File("ssmitha");

try {

ObjectInputStream iiis=new ObjectInputStream(new FileInputStream(nums));

numbs=(ArrayList<PhoneNumber>)iiis.readObject();

iiis.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

} catch (ClassNotFoundException ex) {

Logger.getLogger(Payment.class.getName()).log(Level.SEVERE, null, ex);

}

boolean numfound=false;

int i;

for(i=0;i<numbs.size();i++)

{

if(Long.parseLong(txt\_mobile.getText())==numbs.get(i).mobno)

{

numfound=true;

break;

}

}

if(numfound&&numbs.get(i).Operator.equals((String)combo.getSelectedItem()))

{

Thread t;

t = new Thread()

{

public void run()

{

for(;;)

{

if(state == true)

{

try

{

sleep(1);

if(milliseconds>1000)

{

milliseconds=0;

seconds++;

}

if(seconds>60)

{

milliseconds=0;

seconds=0;

minutes++;

}

millisecond.setText(":" + milliseconds);

milliseconds ++;

second.setText(":" + seconds);

minute.setText(":"+minutes);

}

catch(Exception e)

{

}

}

}

}

};

t.start();

}

else

throw new Exception("Phone number does not exist or incorrect operator selected");

}catch(Exception ex)

{

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

}

}

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

state =false;

File nums=new File("ssmitha");

try {

ObjectInputStream iiis=new ObjectInputStream(new FileInputStream(nums));

numbs=(ArrayList<PhoneNumber>)iiis.readObject();

iiis.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

} catch (ClassNotFoundException ex) {

Logger.getLogger(Payment.class.getName()).log(Level.SEVERE, null, ex);

}

boolean numfound=false;

int i;

x = (minutes\*60)+seconds;

for(i=0;i<numbs.size();i++)

{

if(Long.parseLong(txt\_mobile.getText())==numbs.get(i).mobno)

{

numbs.get(i).balance-= (x/3);

bal =numbs.get(i).balance;

numfound=true;

break;

}

}

File nums1=new File("ssmitha");

try {

if(nums1.exists())

nums1.delete();

nums1.createNewFile();

ObjectOutputStream o=new ObjectOutputStream(new FileOutputStream(nums));

o.writeObject((Object)numbs);

o.close();

} catch (IOException ex) {

Logger.getLogger(PlanSelector.class.getName()).log(Level.SEVERE, null, ex);

}

summary2 summ=new summary2(Long.parseLong(txt\_mobile.getText()),Long.parseLong(txt\_mobile1.getText()),bal,minutes,seconds,milliseconds,x/3);

summ.setVisible(true);

this.dispose();

}

// Variables declaration - do not modify

private javax.swing.JComboBox<String> combo;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JTextField millisecond;

private javax.swing.JTextField minute;

private javax.swing.JTextField second;

private javax.swing.JTextField txt\_mobile;

private javax.swing.JTextField txt\_mobile1;

// End of variables declaration

}

//Summary2

package javaapplication11;

public class summary2 extends javax.swing.JFrame {

long m1,m2;

int b,m,s,ms,x;

public summary2(long mob1,long mob2,int bal,int min,int sec,int msec,int cost) {

initComponents();

setLocationRelativeTo(null);

m1 = mob1;

m2 = mob2;

b = bal;

m = min;

s = sec;

ms = msec;

x =cost;

String loader="<HTML><font size=\"5\">Your Mobile number <b>"+Long.toString(m1)+"</b> has been in connection with <b> "+Long.toString(m2)+"</b> for a time of <b>"+Integer.toString(m)+"</b>:<b>"+Integer.toString(s)+"</b>:<b>"+Integer.toString(ms)+"</b> The charge for your call is : INR<b>"+x+"</b> Hence your new balance is : INR<b>"+Integer.toString(b)+"</b></font></HTML>";

jLabel1.setText(loader);

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setText("jLabel1");

jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N

jLabel2.setText("CALL SUMMARY:");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 179, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(25, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 365, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(23, 23, 23)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 34, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 160, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(65, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

// Variables declaration - do not modify

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

// End of variables declaration

}