OOPS PROJECT

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ROLL NO : 22ITR070

PROGRAM : B.Tech

CLASS : IT -B

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TOPIC : BANK ACCOUNT MONITORING SYSTEM

CODING

```
import java.awt.*;
import java.awt.event.*;
public class AWTProject_Bank{
  private static Frame frame;
  private static Panel mainPanel;
  private static CardLayout cardLayout;
  private static Panel welcomePanel;
  private static Panel loginPanel;
  private static Panel signupPanel;
  private static Panel loginAfterPanel;
  private static Panel depositPanel;
  private static Panel withdrawPanel;
  private static Panel registeredPanel;
  private static Panel loanPanel;
  private static Panel eduloanPanel;
  private static Panel eduloanafterPanel;
  private static Panel successPanel;
  private static Panel personalloanPanel;
  private static Panel houseloanPanel;
  public static void main(String args[]){
    frame= new Frame("Bank Account Monitoring System");
    cardLayout=new CardLayout();
    mainPanel=new Panel();
    mainPanel.setLayout(cardLayout);
    createWelcomePanel();
    createLoginPanel();
    createLoginAfter();
    createDeposit();
    createWithdraw();
    createSignup();

    createRegistered();

    createLoan();

    createEducationloan();

    createEducationloanafter();

    createSuccess();

    createPersonal();

    createHouse();

    frame.addWindowListener(new WindowAdapter(){

      public void windowClosing(WindowEvent e){

        System.exit(0);

      }

    });

    frame.add(mainPanel);

    frame.setSize(1920,1080);

    frame.setVisible(true);

  }

  private static void createWelcomePanel(){

    welcomePanel = new Panel();

    welcomePanel.setLayout(new BorderLayout());

    Panel backgroundPanel=new Panel(){

      public void paint(Graphics g) {

        super.paint(g);

        Image backgroundImage =
Toolkit.getDefaultToolkit().getImage("C:/Users/niraj/Downloads/welcome.jpg");

        g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);

      }

    };

    Label welcomeLabel = new Label("Welcome to Bank Account Monitoring System");

    welcomeLabel.setFont(new Font("Arial", Font.BOLD, 20));

    welcomeLabel.setAlignment(Label.CENTER);

    welcomePanel.add(welcomeLabel, BorderLayout.NORTH);

    Panel buttonPanel = new Panel();
    Button signupButton = new Button("Sign UP");
    signupButton.setPreferredSize(new Dimension(150, 40));
    signupButton.setBackground(Color.PINK);
    signupButton.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            cardLayout.show(mainPanel, "signupPanel");
        }
    });
    Button loginButton = new Button("Log IN");
    loginButton.setPreferredSize(new Dimension(150, 40));
    loginButton.setBackground(Color.PINK);
    loginButton.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            cardLayout.show(mainPanel, "loginPanel");
        }
    });
    buttonPanel.add(signupButton);
    buttonPanel.add(loginButton);
    welcomePanel.add(buttonPanel, BorderLayout.SOUTH);

    welcomePanel.add(backgroundPanel);

    mainPanel.add(welcomePanel, "welcomePanel");
}
private static void createLoginPanel(){
    loginPanel=new Panel();
    loginPanel.setLayout(null);
    Label loginlabel=new Label("SBI Account Monitoring System");
    Label nameLabel=new Label("Name: ");
    Label emailLabel=new Label("Email: ");
    Label accountnumberlabel=new Label("Acc. No.: ");
    Label actypeLabel=new Label("Acc. type: ");
    Label phonelabel=new Label("Phone No.: ");
Label branchLabel=new Label("Branch: ");
Label otplabel=new Label("OTP No.: ");
Label passwordLabel=new Label("Enter Password:");
TextField loginField=new TextField();
TextField nameField=new TextField();
TextField emailField=new TextField();
TextField acnoField=new TextField();
TextField otpField=new TextField();
TextField passwordField=new TextField();
TextField phoneField=new TextField();
CheckboxGroup actypeGroup = new CheckboxGroup();
Checkbox savingsCheckbox = new Checkbox("Savings", actypeGroup, false);
Checkbox currentCheckbox = new Checkbox("Current", actypeGroup, false);
CheckboxGroup branchGroup = new CheckboxGroup();
Checkbox pdCheckbox = new Checkbox("Perundurai", branchGroup, false);
Checkbox chiCheckbox=new Checkbox("Chittode",branchGroup,false);
Button submitButton = new Button("Log IN");
Button cancelButton = new Button("Cancel");
loginlabel.setBounds(150, 100, 200, 20);
nameLabel.setBounds(120, 140, 80, 20);
emailLabel.setBounds(120, 180, 80, 20);
accountnumberlabel.setBounds(120, 220, 80, 20);
actypeLabel.setBounds(120, 260, 80, 20);
phonelabel.setBounds(120, 300, 80, 20);
branchLabel.setBounds(120, 340, 80, 20);
otplabel.setBounds(120, 380, 80, 20);
nameField.setBounds(200, 140, 120, 20);
emailField.setBounds(200, 180, 120, 20);
acnoField.setBounds(200, 220, 120, 20);
phoneField.setBounds(200, 300, 120, 20);
otpField.setBounds(200, 380, 120, 20);
savingsCheckbox.setBounds(200, 260, 60, 20);
currentCheckbox.setBounds(260, 260, 70, 20);
```

```
pdCheckbox.setBounds(200, 340, 80, 20);
chiCheckbox.setBounds(280,340,60,20);
submitButton.setBounds(140, 500, 55, 35);
cancelButton.setBounds(200, 500, 55, 35);
passwordLabel.setBounds(120,430,110,20);
passwordField.setBounds(240,430,80,20);
passwordField.setEchoChar('*');
loginPanel.add(nameLabel);
loginPanel.add(emailLabel);
loginPanel.add(loginlabel);
loginPanel.add(passwordLabel);
loginPanel.add(passwordField);
loginPanel.add(actypeLabel);
loginPanel.add(phonelabel);
loginPanel.add(branchLabel);
loginPanel.add(otplabel);
loginPanel.add(nameField);
loginPanel.add(emailField);
loginPanel.add(acnoField);
loginPanel.add(phoneField);
loginPanel.add(otpField);
loginPanel.add(submitButton);
loginPanel.add(cancelButton);
loginPanel.add(savingsCheckbox);
loginPanel.add(currentCheckbox);
loginPanel.add(pdCheckbox);
loginPanel.add(chiCheckbox);
loginPanel.add(accountnumberlabel);
ImagePanel loginImagePanel = new ImagePanel("D:/Java project/loginpanel.jpg");
loginImagePanel.setBounds(0, 0, 1920, 1080);
loginPanel.add(loginImagePanel);
submitButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
            if (allDetailsEntered(nameField, emailField, acnoField, phoneField, otpField,passwordField)) {
                    cardLayout.show(mainPanel, "loginAfterPanel");
                showDialog("Welcome Back.");
            } else {
                showDialog("Please enter all details.");
            }
        }
    });
    cancelButton.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            cardLayout.show(mainPanel, "welcomePanel");
        }
    });

    mainPanel.add(loginPanel, "loginPanel");
}
private static void createLoginAfter(){
    loginAfterPanel = new Panel() {
        public void paint(Graphics g) {
            super.paint(g);
            Image backgroundImage = Toolkit.getDefaultToolkit().getImage("D:/Java project/log in after.png");
            g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);
        }
    };
    loginAfterPanel.setLayout(null);
    Label afterLabel=new Label("Please Click Any One of the Method listed Below");

afterLabel.setFont(new Font("Arial", Font.BOLD, 20));
    afterLabel.setBounds(500,60,480,50);
    loginAfterPanel.add(afterLabel);
    Button button1 = new Button("Deposit");
    button1.setBounds(300, 450, 150, 55);
    button1.setBackground(Color.CYAN);
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Button button2 = new Button("Withdraw");
button2.setBounds(550, 450, 150, 55);
button2.setBackground(Color.CYAN);
Button button3 = new Button("Get Loan");
button3.setBounds(800, 450, 150, 55);
button3.setBackground(Color.CYAN);
Button button4=new Button("Quit");
button4.setBounds(1050, 450, 150, 55);
button4.setBackground(Color.RED);
button1.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "depositPanel");
    }
});
button2.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "withdrawPanel");
    }
});
button3.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "loanPanel");
    }
});
button4.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "welcomePanel");
    }
});
loginAfterPanel.add(button1);
loginAfterPanel.add(button2);
loginAfterPanel.add(button3);
loginAfterPanel.add(button4);
```

```
        mainPanel.add(loginAfterPanel, "loginAfterPanel");
    }
    private static void createLoan(){
        loanPanel=new Panel() {
            public void paint(Graphics g) {
                super.paint(g);
                Image backgroundImage =
Toolkit.getDefaultToolkit().getImage("C:/Users/niraj/Downloads/Loan.png");
                g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);
            }
        };
        loanPanel.setLayout(null);
        Label loanLabel=new Label("Please Click Any One of the Method listed Below");

        loanLabel.setFont(new Font("Arial", Font.BOLD, 20));
        loanLabel.setBounds(500,60,480,50);
        loanPanel.add(loanLabel);
        Button button1 = new Button("Education Loan");
        button1.setBounds(300, 450, 150, 55);
        button1.setBackground(Color.CYAN);
        Button button2 = new Button("Personal Loan");
        button2.setBounds(550, 450, 150, 55);
        button2.setBackground(Color.CYAN);
        Button button3 = new Button("House Loan");
        button3.setBounds(800, 450, 150, 55);
        button3.setBackground(Color.CYAN);
        Button button4=new Button("Back");
        button4.setBounds(1050, 450, 150, 55);
        button4.setBackground(Color.RED);
        button1.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                cardLayout.show(mainPanel, "eduloanPanel");
            }
        });
        button2.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                cardLayout.show(mainPanel, "personalloanPanel");
            }
        });
        button3.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                cardLayout.show(mainPanel, "houseloanPanel");
            }
        });
        button4.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                cardLayout.show(mainPanel, "loginAfterPanel");
            }
        });
        loanPanel.add(button1);
        loanPanel.add(button2);
        loanPanel.add(button3);
        loanPanel.add(button4);

        mainPanel.add(loanPanel, "loanPanel");

    }
    private static void createEducationloan(){
        eduloanPanel=new Panel()  {
            public void paint(Graphics g) {
                super.paint(g);
                Image backgroundImage = 
Toolkit.getDefaultToolkit().getImage("C:/Users/niraj/Downloads/Educationloan1.png");
                g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);
            }
        };
        eduloanPanel.setLayout(null);


        int panelWidth = 1280;
        int panelHeight = 720;
        Button button1 = new Button("Apply Now");
        button1.setBounds(1198, 676, 300, 93);
        button1.setBackground(Color.BLACK);
        button1.setForeground(Color.WHITE);
        button1.setFont(new Font("Arial", Font.BOLD, 20));
        button1.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                cardLayout.show(mainPanel, "eduloanafterPanel");
            }
        });



        eduloanPanel.add(button1);


        mainPanel.add(eduloanPanel, "eduloanPanel");


    }
    private static void createPersonal(){
        personalloanPanel=new Panel(){
             public void paint(Graphics g){
                super.paint(g);
                Image backgroundImage =
Toolkit.getDefaultToolkit().getImage("C:/Users/niraj/Downloads/Personalloan.png");
                g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);
            }
        };
        personalloanPanel.setLayout(null);
        Label firstLabel=new Label("Fill this application to get Personal loan");
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```
firstLabel.setFont(new Font("Arial", Font.BOLD, 20));
firstLabel.setBounds(400,65,400,55);
firstLabel.setForeground(Color.BLUE);
personalloanPanel.add(firstLabel);
mainPanel.add(personalloanPanel,"personalloanPanel");
Label nameLabel=new Label("Applicant name: ");
nameLabel.setBounds(120, 140, 120, 20);
personalloanPanel.add(nameLabel);
TextField nameField=new TextField();
nameField.setBounds(250, 140, 120, 20);
personalloanPanel.add(nameField);
Label selectLabel=new Label("Select: ");
selectLabel.setBounds(120,180,120,20);
personalloanPanel.add(selectLabel);
Choice c1=new Choice();
c1.add("For Business");
c1.add("For Debts");
c1.add("others");
c1.setBounds(250,180,120,20);
personalloanPanel.add(c1);
Label tenlabel=new Label("SSLC Perncentage: ");
tenlabel.setBounds(120,220,120,20);
personalloanPanel.add(tenlabel);
TextField tenField=new TextField();
tenField.setBounds(250,220,120,20);
personalloanPanel.add(tenField);
Label tweLabel=new Label("+2 percentage: ");
tweLabel.setBounds(120,260,120,20);
personalloanPanel.add(tweLabel);
TextField tweField=new TextField();
tweField.setBounds(250,260,120,20);
personalloanPanel.add(tweField);
Label occupationLabel=new Label("Current Occupation: ");
```

```
occupationLabel.setBounds(120,300,120,20);
personalloanPanel.add(occupationLabel);
TextField occupationField=new TextField();
occupationField.setBounds(250,300,120,20);
personalloanPanel.add(occupationField);
Label annualLabel=new Label("Annual Income: ");
annualLabel.setBounds(120,340,120,20);
personalloanPanel.add(annualLabel);
TextField annualField=new TextField();
annualField.setBounds(250,340,120,20);
personalloanPanel.add(annualField);
Label phoneLabel=new Label("Enter Ph. No.: ");
phoneLabel.setBounds(120,380,120,20);
personalloanPanel.add(phoneLabel);
TextField phoneField=new TextField();
phoneField.setBounds(250,380,120,20);
personalloanPanel.add(phoneField);
Button b1=new Button("Apply");
b1.setBounds(160,430,55,35);
personalloanPanel.add(b1);
Button b2=new Button("Cancel");
b2.setBounds(230,430,55,35);
personalloanPanel.add(b2);
b1.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "successPanel");
        showDialog_2("Application submitted Successfully!Please visit nearest Bank");
    }
});
b2.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "loanPanel");
    }
```

```
        });


    }
    private static void createHouse(){
        houseloanPanel=new Panel() {
            public void paint(Graphics g){
                super.paint(g);
                Image backgroundImage =
Toolkit.getDefaultToolkit().getImage("C:/Users/niraj/Downloads/Houseloan.png");
                g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);
            }
        };
        houseloanPanel.setLayout(null);
        Label firstLabel=new Label("Fill this application to get Housing Loan");
        firstLabel.setFont(new Font("Arial", Font.BOLD, 20));
        firstLabel.setBounds(400,65,400,55);
        firstLabel.setForeground(Color.BLUE);
        houseloanPanel.add(firstLabel);
        Label nameLabel=new Label("Applicant's name: ");
        nameLabel.setBounds(120, 140, 120, 20);
        houseloanPanel.add(nameLabel);
        TextField nameField=new TextField();
        nameField.setBounds(250, 140, 120, 20);
        houseloanPanel.add(nameField);
        Label selectLabel=new Label("Select: ");
        selectLabel.setBounds(120,180,120,20);
        houseloanPanel.add(selectLabel);
        Choice c1=new Choice();
        c1.add("Rural");
        c1.add("Urban");
        c1.add("others");
        c1.setBounds(250,180,120,20);
        houseloanPanel.add(c1);
```

```
Label districtlabel=new Label("District: ");

districtlabel.setBounds(120,220,120,20);

houseloanPanel.add(districtlabel);

TextField districtField=new TextField();

districtField.setBounds(250,220,120,20);

houseloanPanel.add(districtField);

Label talukLabel=new Label("Taluk: ");

talukLabel.setBounds(120,260,120,20);

houseloanPanel.add(talukLabel);

TextField talukField=new TextField();

talukField.setBounds(250,260,120,20);

houseloanPanel.add(talukField);

Label occupationLabel=new Label("Occupation: ");

occupationLabel.setBounds(120,300,120,20);

houseloanPanel.add(occupationLabel);

TextField occupationField=new TextField();

occupationField.setBounds(250,300,120,20);

houseloanPanel.add(occupationField);

Label annualLabel=new Label("Annual Income: ");

annualLabel.setBounds(120,340,120,20);

houseloanPanel.add(annualLabel);

TextField annualField=new TextField();

annualField.setBounds(250,340,120,20);

houseloanPanel.add(annualField);

Label phoneLabel=new Label("Enter Ph. No.: ");

phoneLabel.setBounds(120,380,120,20);

houseloanPanel.add(phoneLabel);

TextField phoneField=new TextField();

phoneField.setBounds(250,380,120,20);

houseloanPanel.add(phoneField);

Button b1=new Button("Apply");

b1.setBounds(160,430,55,35);

houseloanPanel.add(b1);
```

```
        Button b2=new Button("Cancel");
        b2.setBounds(230,430,55,35);
        houseloanPanel.add(b2);
        b1.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                cardLayout.show(mainPanel, "successPanel");
                showDialog_2("Application submitted Successfully!Please visit nearest Bank");
            }
        });
        b2.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                cardLayout.show(mainPanel, "loanPanel");
            }
        });



        mainPanel.add(houseloanPanel,"houseloanPanel");
    }
    private static void createEducationloanafter(){
        eduloanafterPanel=new Panel() {
            public void paint(Graphics g){
                super.paint(g);
                Image backgroundImage = 
Toolkit.getDefaultToolkit().getImage("C:/Users/niraj/Downloads/Educationloan2.png");
                g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);
            }
        };
        eduloanafterPanel.setLayout(null);
        Label firstLabel=new Label("Fill this application to get Education Loan");
        firstLabel.setFont(new Font("Arial", Font.BOLD, 20));
        firstLabel.setBounds(400,65,400,55);
        firstLabel.setForeground(Color.BLUE);
        eduloanafterPanel.add(firstLabel);
```

```
Label nameLabel=new Label("Student name: ");
nameLabel.setBounds(120, 140, 120, 20);
eduloanafterPanel.add(nameLabel);
TextField nameField=new TextField();
nameField.setBounds(250, 140, 120, 20);
eduloanafterPanel.add(nameField);
Label selectLabel=new Label("Select: ");
selectLabel.setBounds(120,180,120,20);
eduloanafterPanel.add(selectLabel);
Choice c1=new Choice();
c1.add("For School");
c1.add("For Ug");
c1.add("For Pg");
c1.setBounds(250,180,120,20);
eduloanafterPanel.add(c1);
Label tenlabel=new Label("SSLC Perncentage: ");
tenlabel.setBounds(120,220,120,20);
eduloanafterPanel.add(tenlabel);
TextField tenField=new TextField();
tenField.setBounds(250,220,120,20);
eduloanafterPanel.add(tenField);
Label tweLabel=new Label("+2 percentage: ");
tweLabel.setBounds(120,260,120,20);
eduloanafterPanel.add(tweLabel);
TextField tweField=new TextField();
tweField.setBounds(250,260,120,20);
eduloanafterPanel.add(tweField);
Label fatherLabel=new Label("Father's Occupation: ");
fatherLabel.setBounds(120,300,120,20);
eduloanafterPanel.add(fatherLabel);
TextField fatherField=new TextField();
fatherField.setBounds(250,300,120,20);
eduloanafterPanel.add(fatherField);
```

```
Label annualLabel=new Label("Annual Income: ");
annualLabel.setBounds(120,340,120,20);
eduloanafterPanel.add(annualLabel);
TextField annualField=new TextField();
annualField.setBounds(250,340,120,20);
eduloanafterPanel.add(annualField);
Label phoneLabel=new Label("Enter Ph. No.: ");
phoneLabel.setBounds(120,380,120,20);
eduloanafterPanel.add(phoneLabel);
TextField phoneField=new TextField();
phoneField.setBounds(250,380,120,20);
eduloanafterPanel.add(phoneField);
Button b1=new Button("Apply");
b1.setBounds(160,430,55,35);
eduloanafterPanel.add(b1);
Button b2=new Button("Cancel");
b2.setBounds(230,430,55,35);
eduloanafterPanel.add(b2);
b1.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "successPanel");
        showDialog_2("Application submitted Successfully!Please visit nearest Bank");
    }
});
b2.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "loanPanel");
    }
});



mainPanel.add(eduloanafterPanel,"eduloanafterPanel");
```

```
    }
    private static void createSuccess(){
        successPanel = new Panel();
        successPanel.setLayout(new BorderLayout());
        successPanel.setBackground(Color.LIGHT_GRAY);
        Label successLabel = new Label("Welcome Dear Customer!");
        successLabel.setFont(new Font("Arial", Font.BOLD, 20));
        successLabel.setAlignment(Label.CENTER);
        successPanel.add(successLabel, BorderLayout.NORTH);
        ImagePanel image = new ImagePanel("C:/Users/niraj/Downloads/success.png");
        successPanel.add(image, BorderLayout.CENTER);
        mainPanel.add(successPanel, "successPanel");
    }
    private static void createDeposit(){
        depositPanel=new Panel() {
            public void paint(Graphics g) {
                super.paint(g);
                Image backgroundImage =
Toolkit.getDefaultToolkit().getImage("C:/Users/niraj/Downloads/Deposit.png");
                g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);
            }
        };
        depositPanel.setLayout(null);
        Label depositLabel=new Label("Deposit Page");
        depositLabel.setFont(new Font("Arial", Font.BOLD, 20));
        depositLabel.setBounds(650,60,130,50);
        depositLabel.setForeground(Color.MAGENTA);
        depositPanel.add(depositLabel);
        Label upiLabel=new Label("Enter UPI Pin: ");
        Label accountnoLabel=new Label("Enter Account No.");
        Label balanceLabel=new Label("Enter Balance:");
        Label amountLabel=new Label("Enter Amount to deposit: ");
        accountnoLabel.setBounds(720,260,100,20);
```

```
balanceLabel.setBounds(720,300,80,20);
amountLabel.setBounds(720,380,140,20);
upiLabel.setBounds(720,340,80,20);
TextField accountnofield=new TextField();
TextField balancefield=new TextField();
TextField amountfield=new TextField();
TextField upifield=new TextField();
accountnofield.setBounds(900,260,140,20);
balancefield.setBounds(900,300,140,20);
upifield.setBounds(900,340,140,20);
amountfield.setBounds(900,380,140,20);
Button submit=new Button("Submit");
submit.setBounds(780,460,55,35);
depositPanel.add(submit);
Button cancel=new Button("Back");
cancel.setBounds(930,460,55,35);
Button check=new Button("Check Balance.");
check.setBounds(830,560,100,30);
depositPanel.add(check);
depositPanel.add(cancel);
depositPanel.add(upiLabel);
depositPanel.add(upifield);
depositPanel.add(accountnoLabel);
depositPanel.add(balanceLabel);
depositPanel.add(accountnofield);
depositPanel.add(balancefield);
depositPanel.add(amountLabel);
depositPanel.add(amountfield);
submit.addActionListener(new ActionListener(){
  public void actionPerformed(ActionEvent e){
    if(allDetailsEntered_2(upifield,accountnofield,amountfield,balancefield)){
      showDialog_2("Your Amount is deposited Successfully");
  }
```

```
        else{
            showDialog("Enter all details.");
        }
        }
    });
    check.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
        int depositAmount = Integer.parseInt(amountfield.getText());
        int balanceAmount = Integer.parseInt(balancefield.getText());
        int newBalance = balanceAmount + depositAmount;
        showDialog_2("Your current Balance is -> "+newBalance);
        }
    });
    cancel.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            cardLayout.show(mainPanel, "loginAfterPanel");
        }
    });
    mainPanel.add(depositPanel,"depositPanel");



}
private static void createRegistered(){
    registeredPanel = new Panel();
    registeredPanel.setLayout(new BorderLayout());
    registeredPanel.setBackground(Color.LIGHT_GRAY);
    Label successLabel = new Label("Welcome Dear Customer!");
    successLabel.setFont(new Font("Arial", Font.BOLD, 20));
    successLabel.setAlignment(Label.CENTER);
    registeredPanel.add(successLabel, BorderLayout.NORTH);
    ImagePanel image = new ImagePanel("C:/Users/niraj/Downloads/registerd.png");
    registeredPanel.add(image, BorderLayout.CENTER);
```

```
        mainPanel.add(registeredPanel, "registeredPanel");
    }
    private static void createSignup(){
        signupPanel=new Panel() {
            public void paint(Graphics g) {
                super.paint(g);
                Image backgroundImage = Toolkit.getDefaultToolkit().getImage("C:/Users/niraj/Downloads/sign up.png");
                g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);
            }
        };
        signupPanel.setLayout(null);
        Label signupLabel=new Label("Sign Up Here");
        signupLabel.setFont(new Font("Arial", Font.BOLD, 40));
        signupLabel.setBounds(510,75,260,50);
        signupLabel.setForeground(Color.CYAN);
        signupPanel.add(signupLabel);
        Label nameLabel=new Label("Name: ");
        Label phoneLabel=new Label("Ph. No: ");
        Label adLabel=new Label("Aadhaar No: ");
        Label  cityLabel=new Label("City: ");
        Label genderLabel=new Label("Gender: ");
        Label ageLabel=new Label("Age: ");
        Label passwordLabel=new Label("Create Password: ");
        Label otpLabel=new Label("Enter OTP: ");
        Label panLabel=new Label("Enter Pan No.: ");
        TextField nameField=new TextField();
        TextField phoneField=new TextField();
        TextField cityfield=new TextField();
        TextField adField=new TextField();
        TextField cityField=new TextField();
        TextField passwordField=new TextField();
        TextField otpField=new TextField();
```

```
TextField panField=new TextField();
Choice c1=new Choice();
Choice c2=new Choice();
c1.add("Male");
c1.add("Female");
c2.add("<18");
c2.add("18-28");
c2.add("29-38");
c2.add("39-50");
c2.add(">50");
nameLabel.setBounds(350,170,80,20);
nameField.setBounds(440,170,150,20);
phoneLabel.setBounds(350,210,80,20);
phoneField.setBounds(440,210,150,20);
adLabel.setBounds(350,240,80,20);
adField.setBounds(440,240,150,20);
cityLabel.setBounds(350,270,80,20);
cityfield.setBounds(440,270,150,20);
passwordLabel.setBounds(700,210,120,20);
passwordField.setBounds(850,210,150,20);
otpLabel.setBounds(700,240,120,20);
otpField.setBounds(850,240,150,20);
genderLabel.setBounds(350,310,80,20);
c1.setBounds(440,310,150,20);
ageLabel.setBounds(350,340,80,20);
c2.setBounds(440,340,150,20);
panLabel.setBounds(350,380,80,20);
panField.setBounds(440,380,150,20);
Button b1=new Button("Submit");
Button b2=new Button("Cancel");
Button b3=new Button("Create Account");
b1.setBounds(370,430,55,35);
b2.setBounds(440,430,55,35);
```

```
b3.setBounds(730,290,100,35);
b1.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent e){
        if(allDetailsEntered_3(nameField,phoneField,adField,cityfield,panField)){
signupPanel.add(otpLabel);
signupPanel.add(otpField);
signupPanel.add(passwordLabel);
signupPanel.add(passwordField);
signupPanel.add(b3);
    }
    else{
        showDialog("Enter all details.");
    }
    }
});
b2.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "welcomePanel");
    }
});
b3.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        cardLayout.show(mainPanel, "registeredPanel");
        showDialog_2("Account created successfully!");
    }
});
signupPanel.add(b1);
signupPanel.add(b2);
signupPanel.add(nameLabel);
signupPanel.add(phoneLabel);
signupPanel.add(adLabel);
signupPanel.add(cityLabel);
signupPanel.add(genderLabel);
```

```
        signupPanel.add(ageLabel);

        signupPanel.add(panLabel);

        signupPanel.add(panField);

        signupPanel.add(nameField);

        signupPanel.add(phoneField);

        signupPanel.add(cityfield);

        signupPanel.add(adField);

        signupPanel.add(c1);

        signupPanel.add(c2);


        mainPanel.add(signupPanel,"signupPanel");


    }

    private static void createWithdraw(){

        withdrawPanel=new Panel() {

            public void paint(Graphics g) {

                super.paint(g);

                Image backgroundImage =
Toolkit.getDefaultToolkit().getImage("C:/Users/niraj/Downloads/Withdraw.png");

                g.drawImage(backgroundImage, 0, 0, getWidth(), getHeight(), this);

            }

        };

        withdrawPanel.setLayout(null);

        Label withdrawLabel=new Label("Withdraw Page");

        withdrawLabel.setFont(new Font("Arial", Font.BOLD, 20));

        withdrawLabel.setBounds(730,60,150,50);

        withdrawLabel.setForeground(Color.MAGENTA);

        withdrawPanel.add(withdrawLabel);

        Label upiLabel=new Label("Enter UPI Pin: ");

        Label accountnoLabel=new Label("Enter Account No.");

        Label balanceLabel=new Label("Enter Balance:");

        Label amountLabel=new Label("Enter Amount to withdraw: ");

        accountnoLabel.setBounds(620,260,100,20);
```

```
balanceLabel.setBounds(620,300,80,20);
amountLabel.setBounds(620,380,140,20);
upiLabel.setBounds(620,340,80,20);
TextField accountnofield=new TextField();
TextField balancefield=new TextField();
TextField amountfield=new TextField();
TextField upifield=new TextField();
accountnofield.setBounds(800,260,140,20);
balancefield.setBounds(800,300,140,20);
upifield.setBounds(800,340,140,20);
amountfield.setBounds(800,380,140,20);
Button submit=new Button("Submit");
submit.setBounds(680,460,55,35);
withdrawPanel.add(submit);
Button cancel=new Button("Back");
cancel.setBounds(830,460,55,35);
Button check=new Button("Check Balance.");
check.setBounds(740,560,100,30);
withdrawPanel.add(check);
withdrawPanel.add(cancel);
withdrawPanel.add(upiLabel);
withdrawPanel.add(upifield);
withdrawPanel.add(accountnoLabel);
withdrawPanel.add(balanceLabel);
withdrawPanel.add(accountnofield);
withdrawPanel.add(balancefield);
withdrawPanel.add(amountLabel);
withdrawPanel.add(amountfield);
submit.addActionListener(new ActionListener(){
  public void actionPerformed(ActionEvent e){
    if(allDetailsEntered_2(upifield,accountnofield,amountfield,balancefield)){
      showDialog_2("Your Amount is withdrawed Successfully");
  }
```

```
            else{
                showDialog("Enter all details.");
            }
            }
        });
        check.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
            int depositAmount = Integer.parseInt(amountfield.getText());
            int balanceAmount = Integer.parseInt(balancefield.getText());
            int newBalance = balanceAmount - depositAmount;
            showDialog_2("Your current Balance is -> "+newBalance);
            }
        });
        cancel.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                cardLayout.show(mainPanel, "loginAfterPanel");
            }
        });
        mainPanel.add(withdrawPanel,"withdrawPanel");



    }
private static void showDialog_2(String message) {
        final Dialog dialog = new Dialog(frame, "Success", true);
        dialog.setSize(400, 100);
        dialog.setLocationRelativeTo(frame);
        final Label label = new Label(message);
    label.setAlignment(Label.CENTER);
    dialog.setLayout(new BorderLayout());
    dialog.add(label, BorderLayout.CENTER);
        new Thread(new Runnable() {
            @Override
        public void run() {
            try {
                Thread.sleep(2500);
                dialog.dispose();
            } catch (InterruptedException ex) {
                ex.printStackTrace();
            }
        }
    }).start();
    dialog.setVisible(true);
}
private static void showDialog(String message) {
    final Dialog dialog = new Dialog(frame, "Success", true);
    dialog.setSize(200, 100);
    dialog.setLocationRelativeTo(frame);
    final Label label = new Label(message);
label.setAlignment(Label.CENTER);
dialog.setLayout(new BorderLayout());
dialog.add(label, BorderLayout.CENTER);
    new Thread(new Runnable() {
        @Override
        public void run() {
            try {
                Thread.sleep(2500);
                dialog.dispose();
            } catch (InterruptedException ex) {
                ex.printStackTrace();
            }
        }
    }).start();
    dialog.setVisible(true);
}
```

```
    private static boolean allDetailsEntered_3(TextField nameField,TextField phoneField,TextField
adField,TextField cityfield,TextField panField){

        String name=nameField.getText();

        String phone=phoneField.getText();

        String ad=adField.getText();

        String city=cityfield.getText();

        String pan=panField.getText();

        return !name.isEmpty() && !phone.isEmpty() && !ad.isEmpty() && !city.isEmpty() && !pan.isEmpty();

    }

    private static boolean allDetailsEntered_2(TextField upifield,TextField accountnofield,TextField
balancefield,TextField amountfield){

        String upi=upifield.getText();

        String account=accountnofield.getText();

        String amount=amountfield.getText();

        String balance=balancefield.getText();

        return !upi.isEmpty() && !account.isEmpty() && !amount.isEmpty() && !balance.isEmpty();

    }

    private static boolean allDetailsEntered(TextField nameField, TextField emailField, TextField acnoField,

                                            TextField phoneField, TextField otpField,TextField passwordField) {

        String name = nameField.getText();

        String password = passwordField.getText();

        String email = emailField.getText();

        String phone = phoneField.getText();

        String otp = otpField.getText();

        String acno=acnoField.getText();


        return !name.isEmpty() && !password.isEmpty() && !email.isEmpty()

                && !phone.isEmpty() && !otp.isEmpty() && !acno.isEmpty();

    }


}

class ImagePanel extends Panel {

    private Image image;

    private int scrollPosition;
    public ImagePanel(String imagePath) {

        image = Toolkit.getDefaultToolkit().getImage(imagePath);

        scrollPosition = 0;

    }

    public void setScrollPosition(int position) {

        scrollPosition = position;

        repaint();

    }

    public void paint(Graphics g) {

        int panelWidth = getWidth();

        int panelHeight = getHeight();

        int imageWidth = image.getWidth(this);

        int imageHeight = image.getHeight(this);

        double aspectRatio = (double) imageWidth / imageHeight;

        int newWidth, newHeight;

        if (panelWidth / aspectRatio > panelHeight) {

            newHeight = panelHeight - 40;

            newWidth = (int) (newHeight * aspectRatio);

        } else {

            newWidth = panelWidth - 40;

            newHeight = (int) (newWidth / aspectRatio);

        }

        int x = (panelWidth - newWidth) / 2;

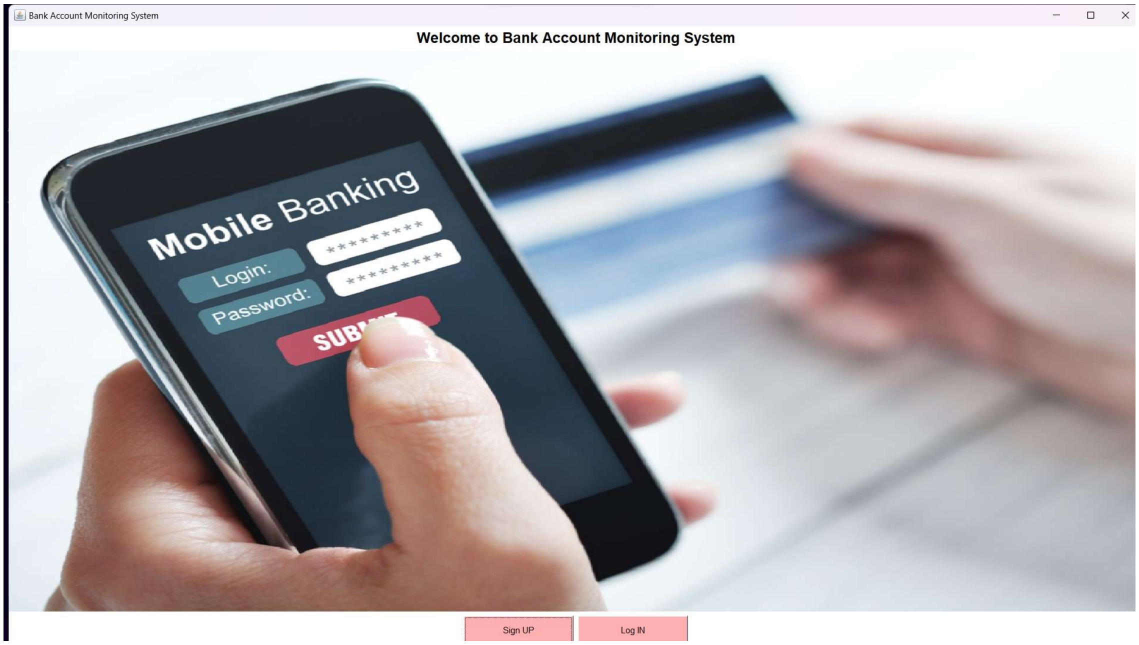
        int y = (panelHeight - newHeight) / 2;

        g.drawImage(image, x, y, newWidth, newHeight, this);

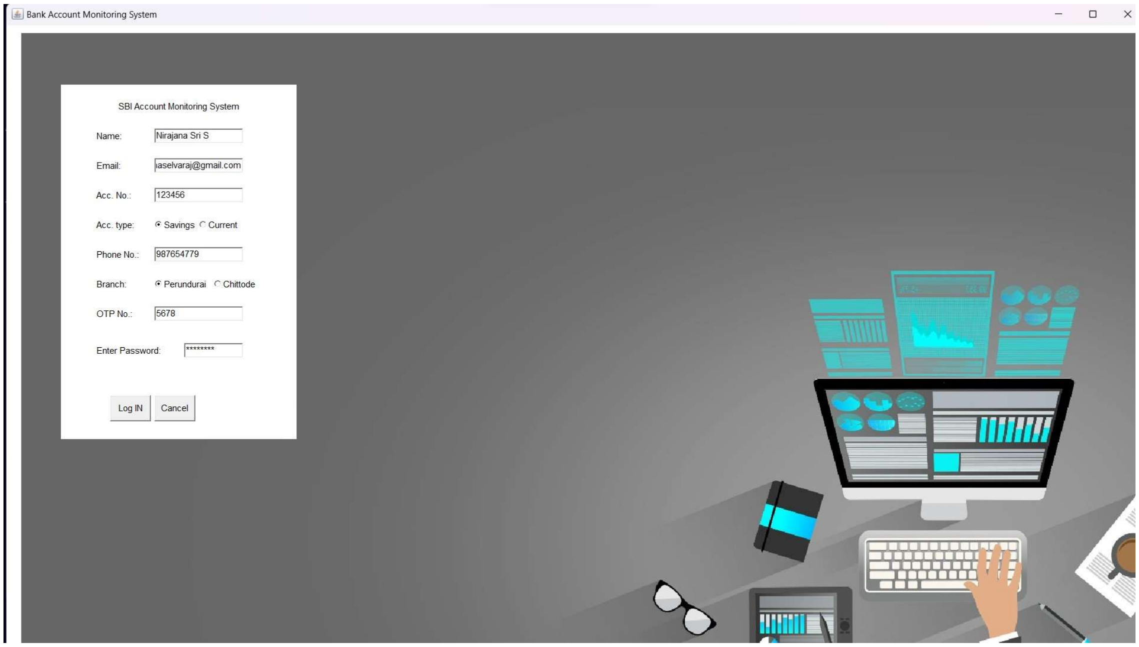
    }

}
```

WELCOME PAGE :


Bank Account Monitoring System
Welcome to Bank Account Monitoring System
Mobile Banking
Login:
Password:
****
****
SUBMIT
Sign UP
Log IN

LOG IN :



SBI Account Monitoring System

Name: Nirajana Sri S

Email: iaselvaraj@gmail.com

Acc. No.: 123456

Acc. type: ● Savings ○ Current

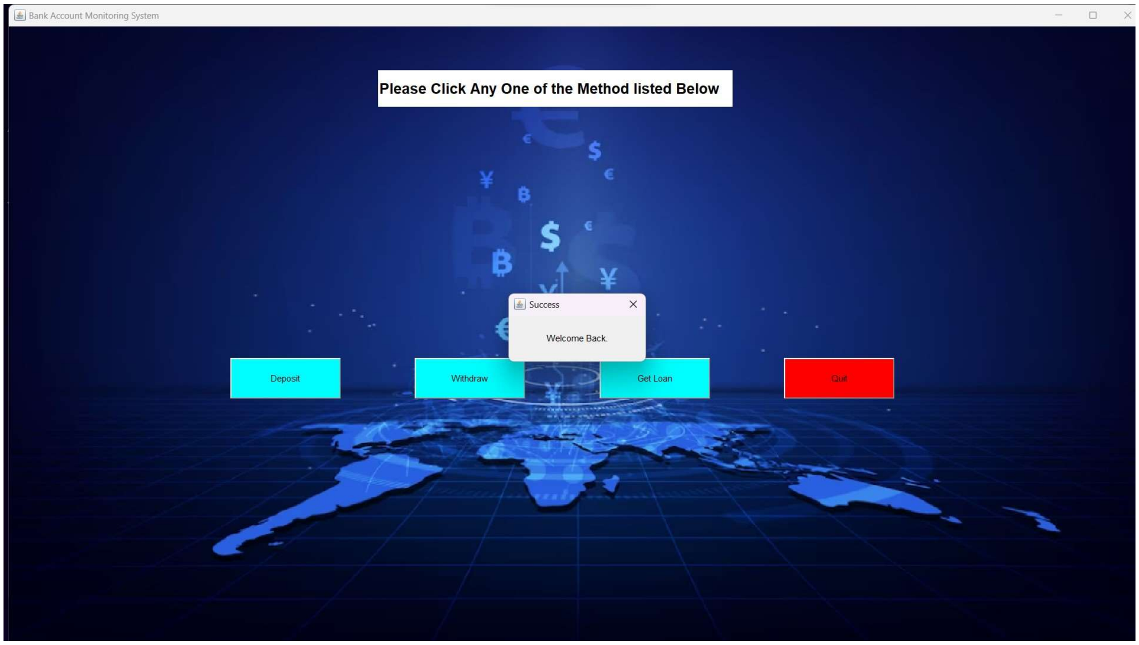
Phone No.: 987654779

Branch: ● Perundurai ○ Chittode

OTP No.: 5678

Enter Password: ********

DETAILS :

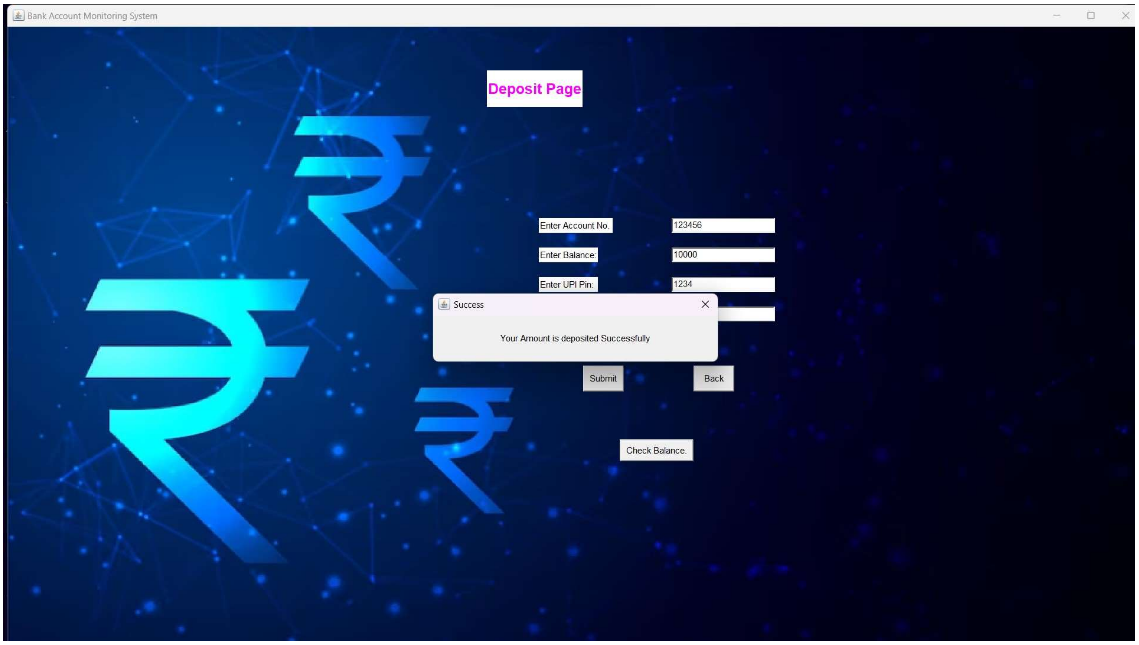


Please Click Any One of the Method listed Below

Success

Welcome Back.

DEPOSIT :



Bank Account Monitoring System

Deposit Page

Enter Account No. 123456

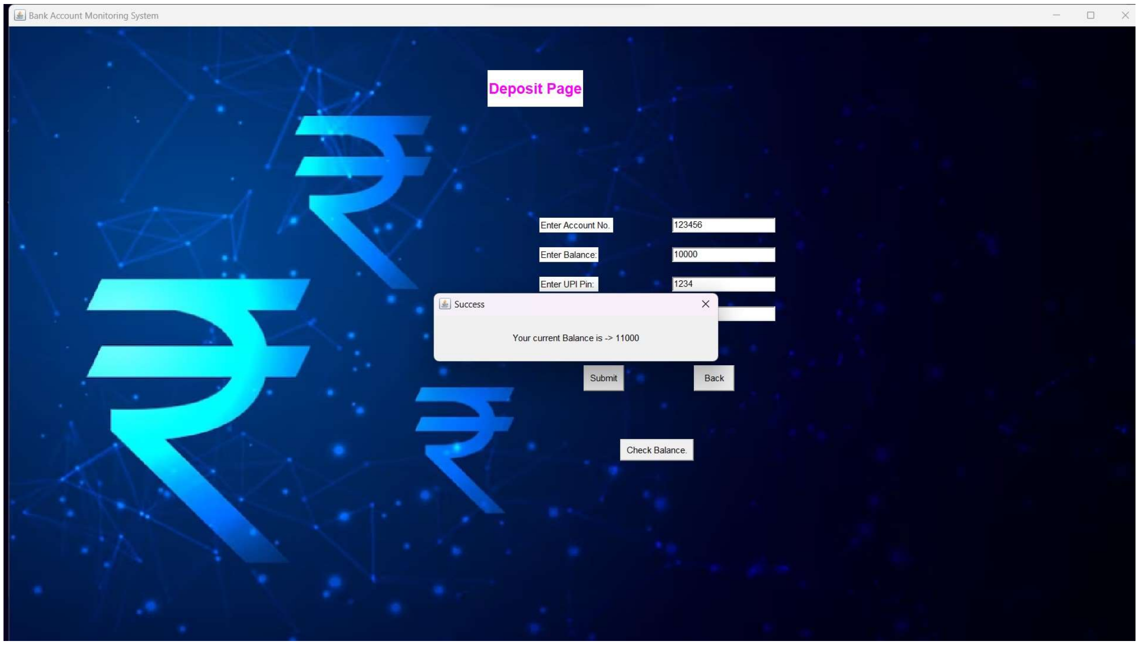
Enter Balance: 10000

Enter UPI Pin: 1234

Success

Your Amount is deposited Successfully

BALANCE :



Bank Account Monitoring System

Deposit Page

Enter Account No. 123456

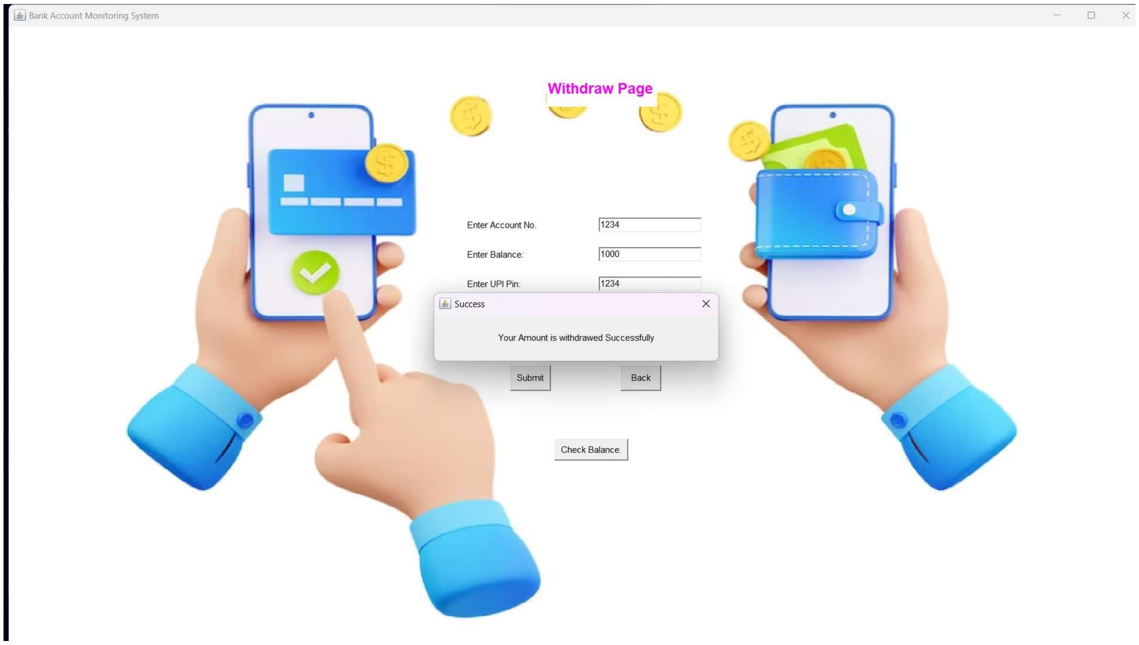
Enter Balance: 10000

Enter UPI Pin: 1234

Success

Your current Balance is -> 11000

WITHDRAW :



Enter Account No. 1234

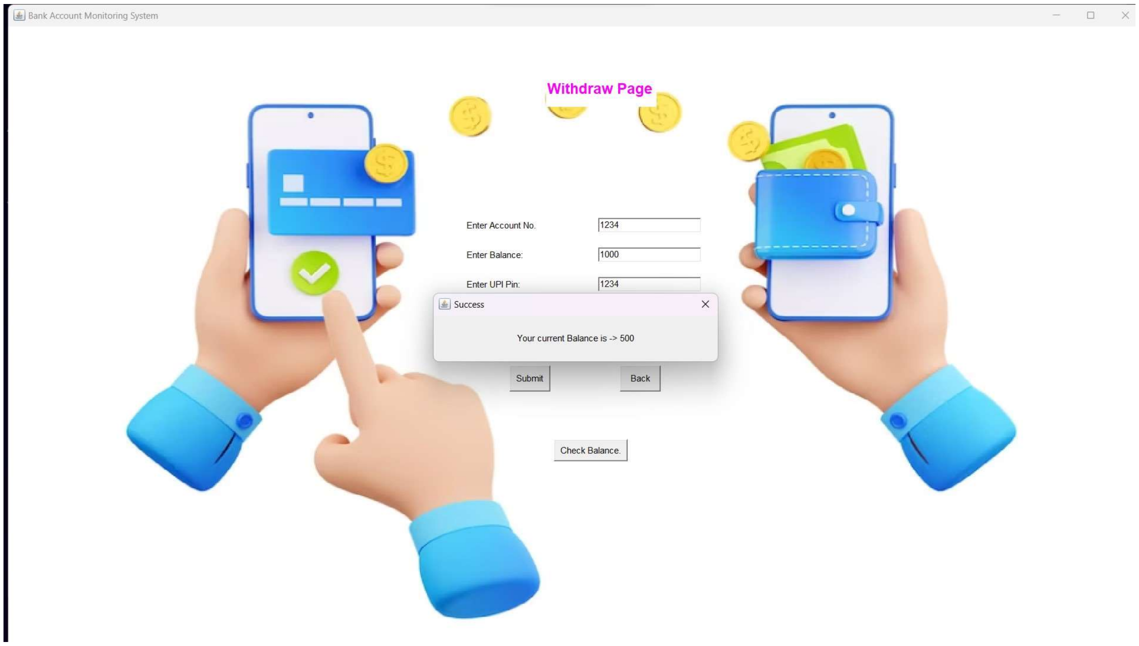
Enter Balance: 1000

Enter UPI Pin: 1234

Success

Your Amount is withdrawed Successfully

BALANCE :



Enter Account No. 1234

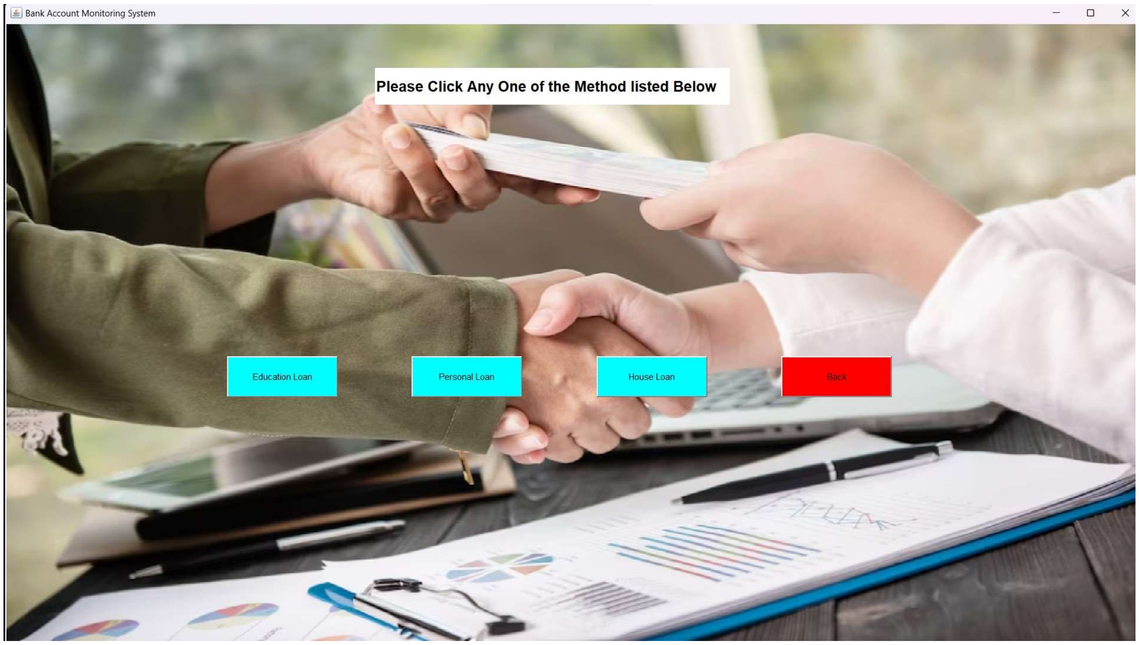
Enter Balance: 1000

Enter UPI Pin: 1234

Success

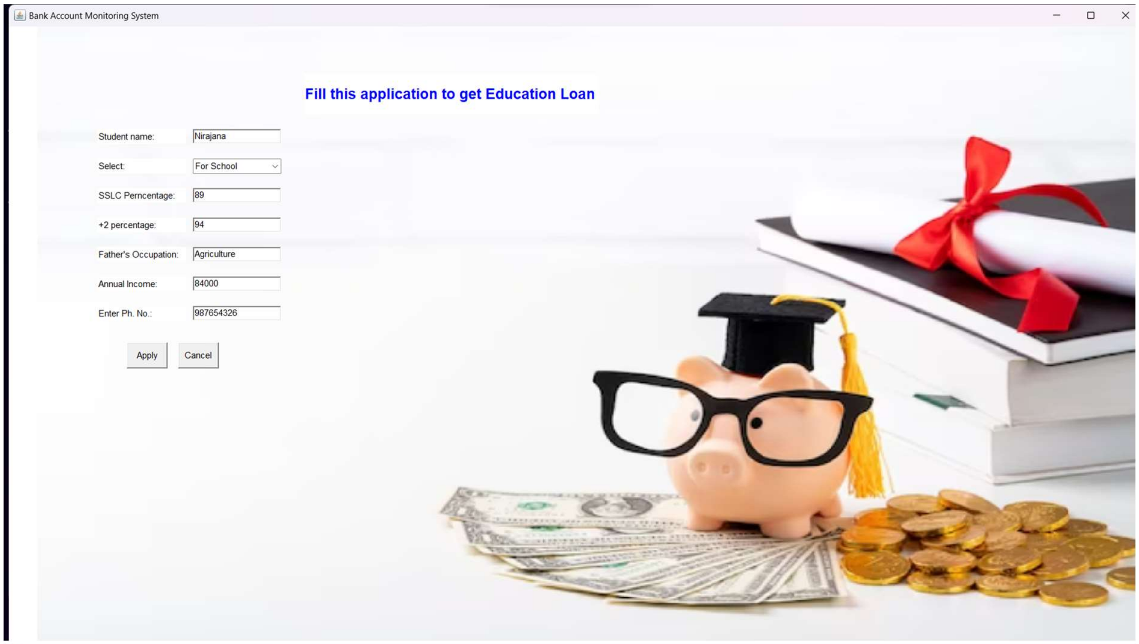
Your current Balance is -> 500

LOAN :



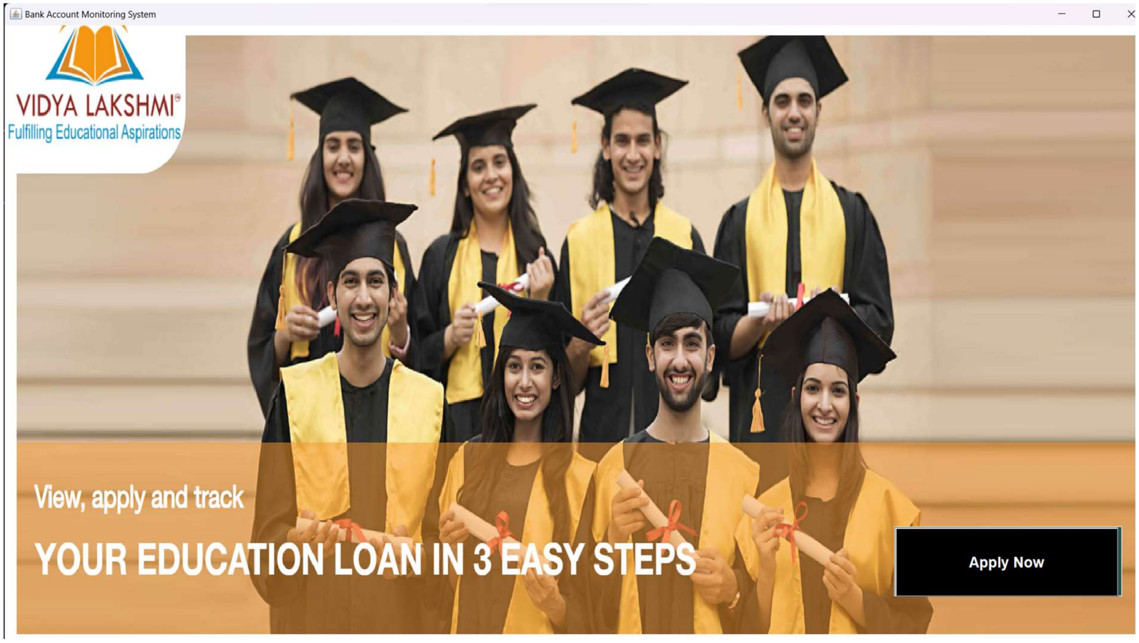
Please Click Any One of the Method listed Below

EDUCATIONAL LOAN :



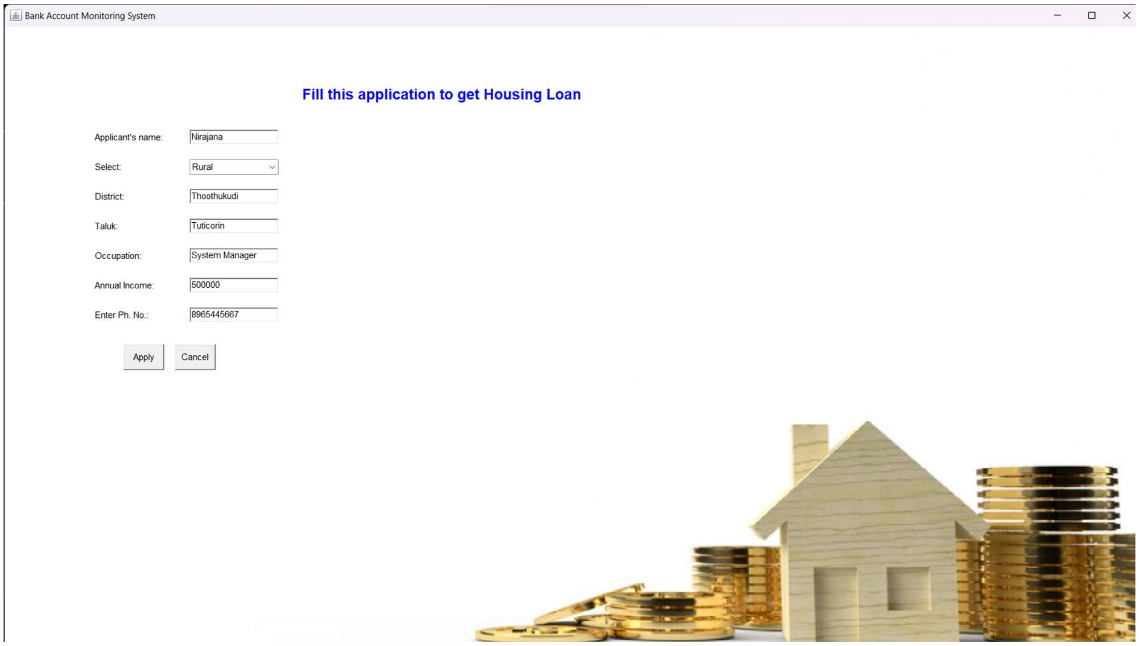
Fill this application to get Education Loan

Student name:	Nirajana
Select:	For School
SSLC Perncentage:	89
+2 percentage:	94
Father's Occupation:	Agriculture
Annual Income:	84000
Enter Ph. No.:	987654326



Bank Account Monitoring System
VIDYA LAKSHMI®
Fulfilling Educational Aspirations
View, apply and track
YOUR EDUCATION LOAN IN 3 EASY STEPS
Apply Now

HOUSE LOAN :



Bank Account Monitoring System

Fill this application to get Housing Loan

Applicant's name: Nirajana

Select: Rural

District: Thoothukudi

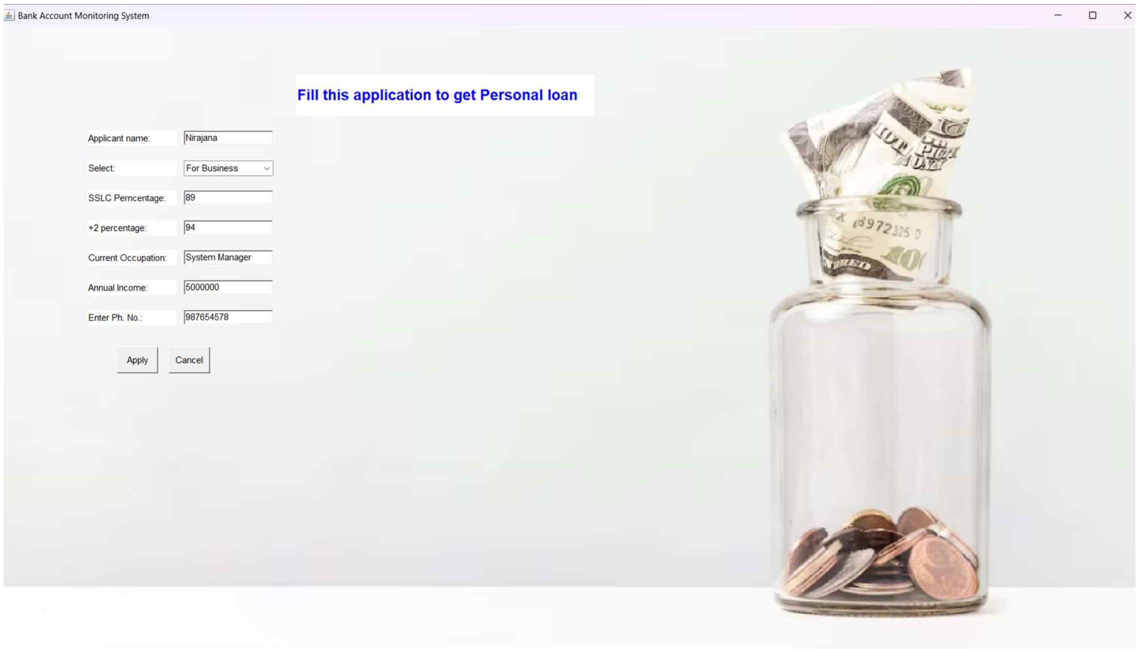
Taluk: Tuticorin

Occupation: System Manager

Annual Income: 500000

Enter Ph. No.: 8965445667

PERSONAL LOAN :



Bank Account Monitoring System

Fill this application to get Personal loan

Applicant name: Nirajana

Select: For Business

SSLC Perncentage: 89

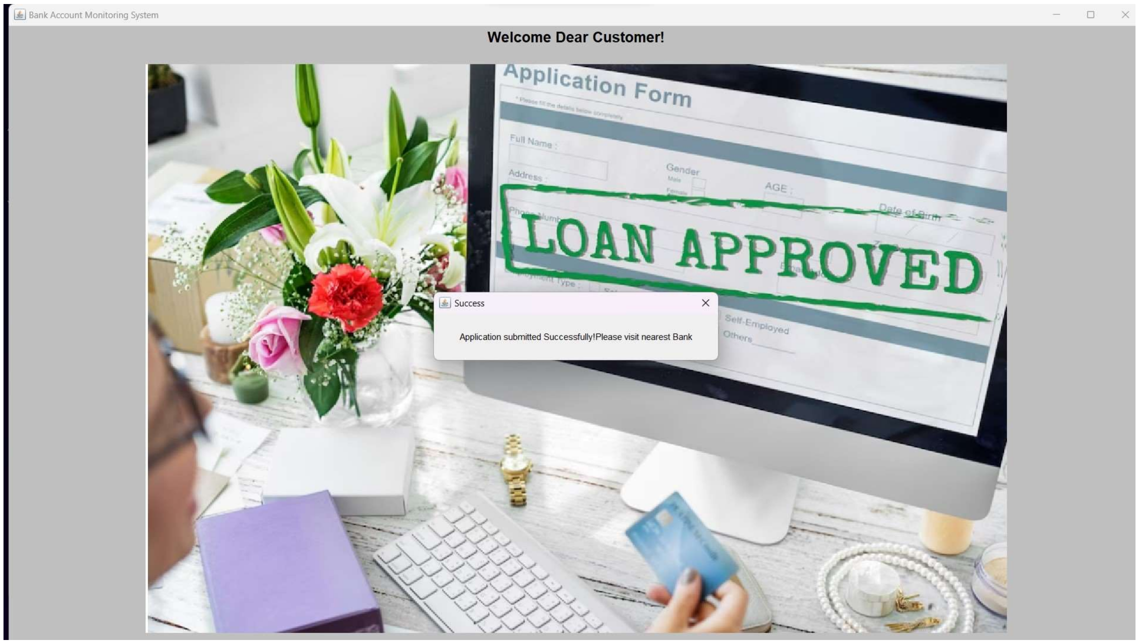
+2 percentage: 94

Current Occupation: System Manager

Annual Income: 5000000

Enter Ph. No.: 987654578

OUTPUT FOR PERSONAL LOAN,EDUCATIONAL LOAN,HOUSE LOAN :



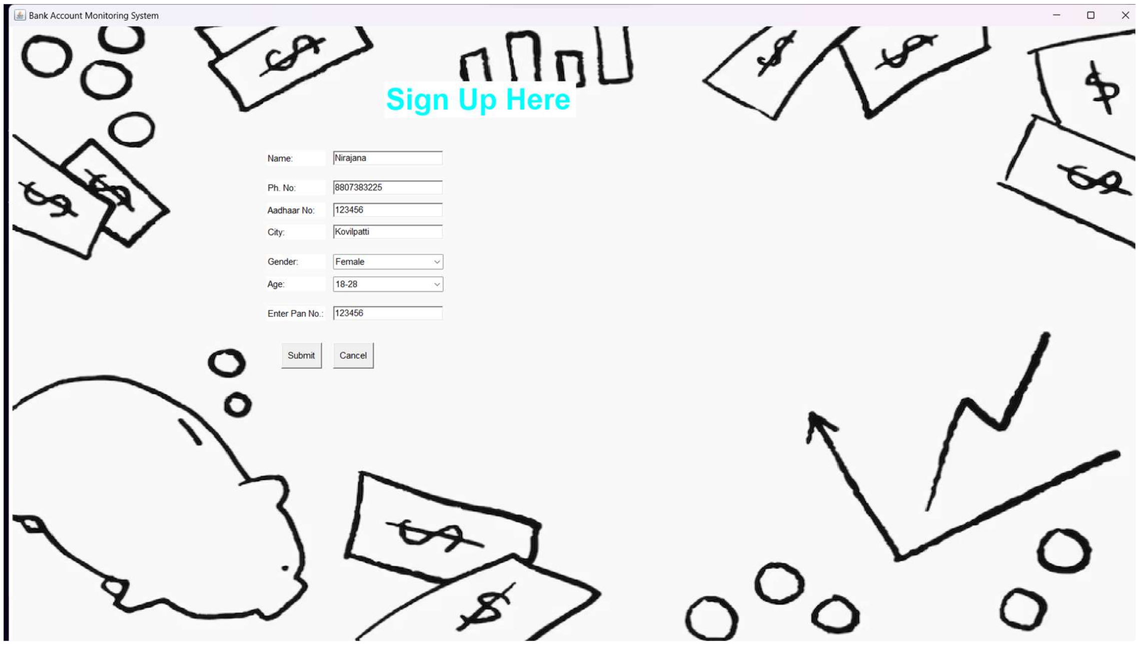
Bank Account Monitoring System

Welcome Dear Customer!

Success

Application submitted Successfully!Please visit nearest Bank

SIGN UP:



Bank Account Monitoring System

Sign Up Here

Name: Nirajana

Ph. No: 8807383225

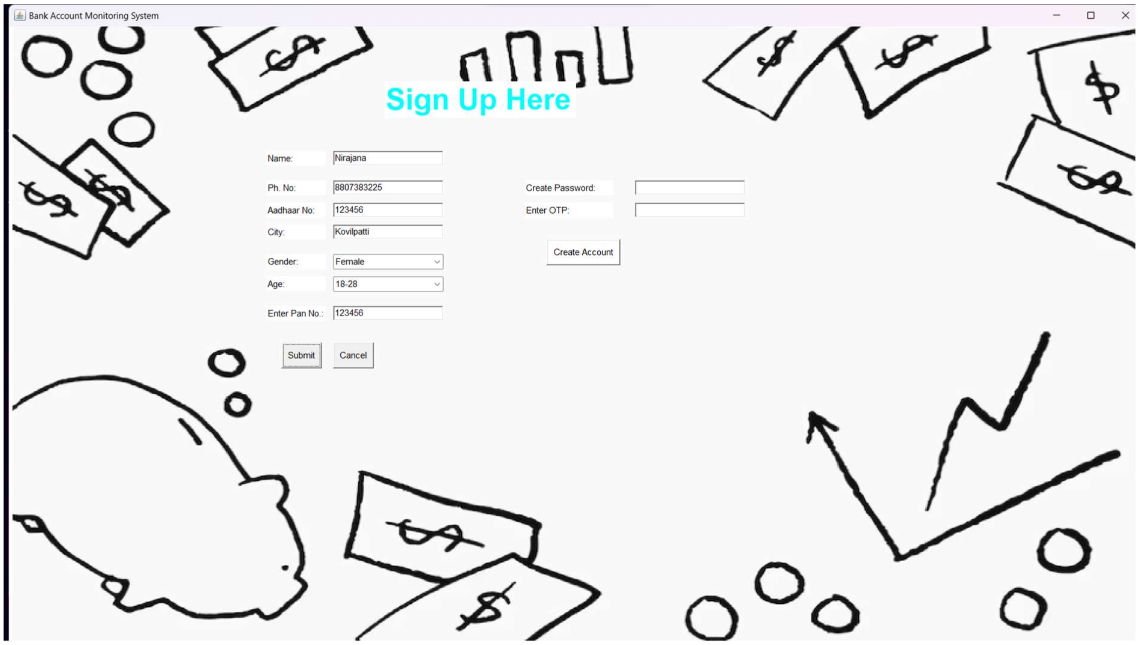
Aadhaar No: 123456

City: Kovilpatti

Gender: Female

Age: 18-28

Enter Pan No.: 123456



Sign Up Here

Name: Nirajana

Ph. No: 8807383225

Aadhaar No: 123456

City: Kovilpatti

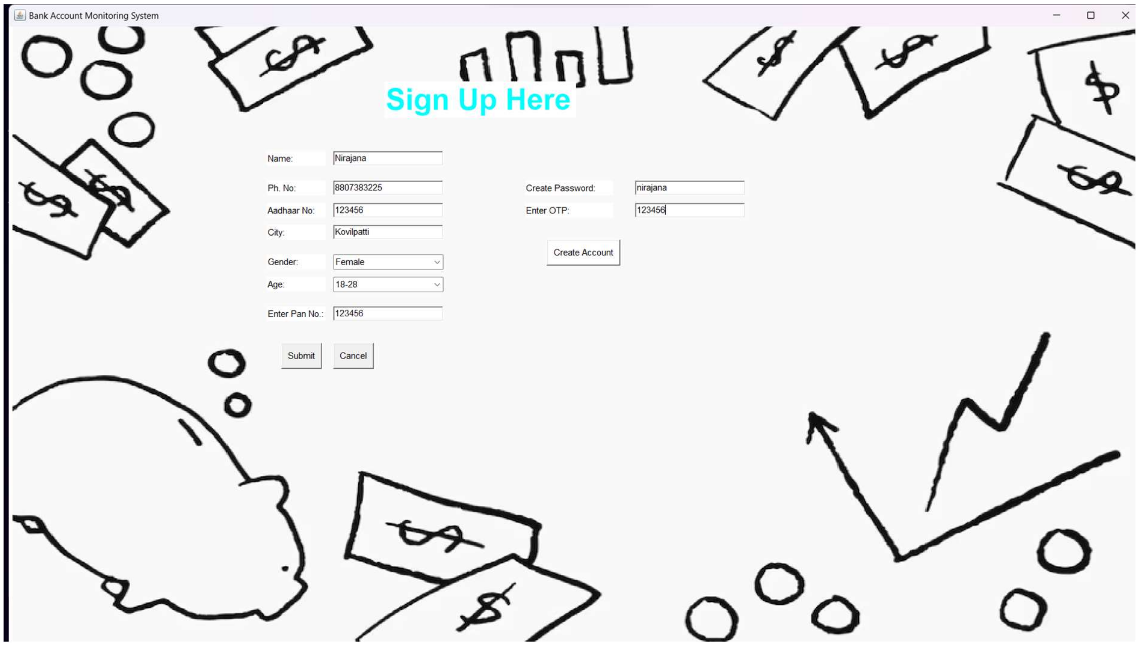
Gender: Female

Age: 18-28

Enter Pan No.: 123456

Create Password:

Enter OTP:



Sign Up Here

Name: Nirajana

Ph. No: 8807383225

Aadhaar No: 123456

City: Kovilpatti

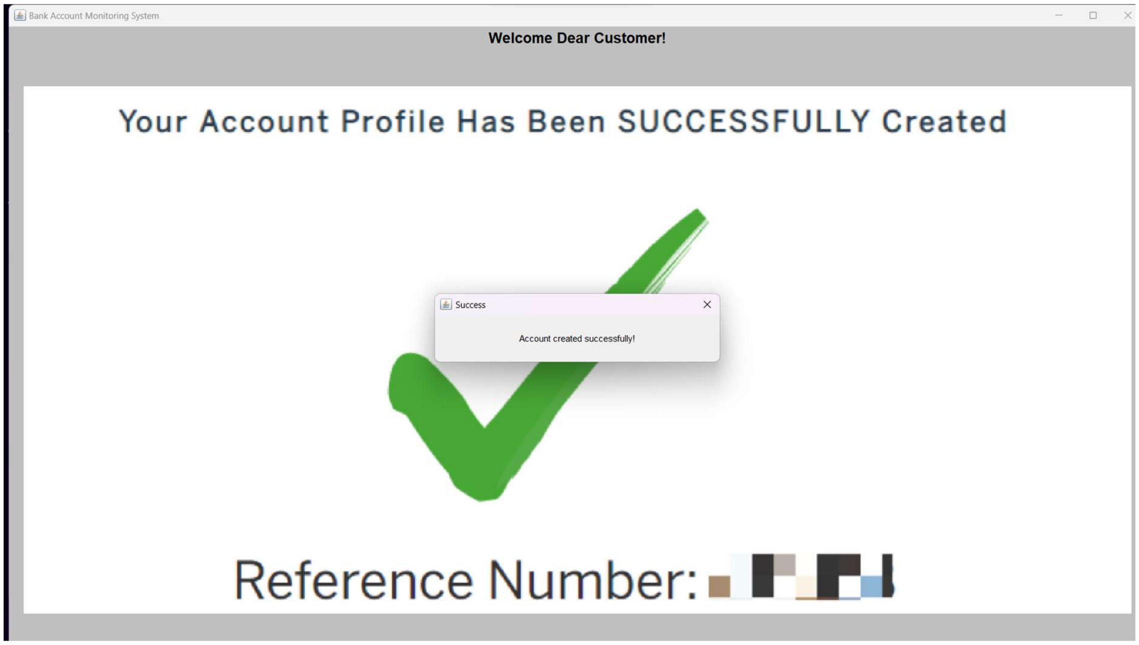
Gender: Female

Age: 18-28

Enter Pan No.: 123456

Create Password: nirajana

Enter OTP: 123456



Welcome Dear Customer!

Your Account Profile Has Been SUCCESSFULLY Created

Account created successfully!

Reference Number: [redacted]