



**S. T. U. S. M's**

**SANGOLA COLLEGE, SANGOLA**

A

PROJECT REPORT

ON

**“ATM Managment System”**

SUBMITTED BY

**Mr:Aayas Nabilal Sayyed**

**Mr:Shubham Manesh Mate**

UNDER THE GUIDENCE OF

**Prof. S.P.Honrao**

SUBMITTED TO

SOLAPUR UNIVERSITY, SOLAPUR

IN PARTIAL FULFILLMENT OF THE

BACHELOR DEGREE OF COMPUTER SCIENCE (B.Sc.E.C.S)-III

2023-2024.



**S. T. U. S. M'S**  
**SANGOLA COLLEGE, SANGOLA**

## CERTIFICATE

Seat No. : -  
Seat No:-

Date:    /    / 20

This is to certify that, **Shri. Sayyed Aayas Nabilal** and **Shri. Mate Shubham Manesh** has successfully completed the project titled “**ATM Management System**” at Sangola Mahavidyalaya, Sangola under guidance and supervision of **Prof.**

**S.P.Honrao** in fulfilment of requirements of final year, Bachelor of Computer Science (Entire Computer Science) of working year 2023-2024.

**EXAMINAR**

**PROJECT GUIDE**

**H.O.D.**

**(Dept.of Computer)**

# ACKNOWLEDGEMENT

Before starting to project report we have to thanks to **Dept. of Computer Science** For giving us to change to present ourselves with great potential and for providing us glorious platform towards our future career. It gives me great pleasure to remain deeply inspected to our Project guide **Prof- Honrao.S.P** Under whose guidance we complete the project.

The faith and confidence shown by him in our boosted our moral and motivated us to perform better in preparing this project.

We are thankful to all staff members for their valuable suggestion in completing this work.

**Mr.Sayyed.A.N.**

**Mr.Mate.S.M.**

# **Declaration**

We declare that we referred the books during completion of the project work and have not copied any part of any written material or its part there . This project work is purely created on our own and merit.

We do understand that if our work is found to be copied, then we are liable to be punished by the rules of Solapur University, Solapur.

**Mr.Sayyed Aayas Nabilal**  
**Mr.Mate Shubham Manesh**

# Synopsis

## “ATM Management System ”

❖ Name:-

**Mr.Sayyed Aayas Nabilal**

**Mr.Mate Shubham Manesh**

❖ Language:JAVA.

❖ Database:- MySql.

## Feature:-

➤ User Friendly :-

The screens are well designed and self-explanatory, with information specified whenever required. This makes user interaction easy and fast.

➤ Less requirement of software and hard

# INDEX

NO.	Topic	Page No.
1	System Concept	
2	Fact Finding Method	
3	Proposed System	
4	Feasibility Study	
5	Data Flow Diagram	
6	Entity Relation Diagram	
7	Table	
8	Source Code	
9	Snapshot	
10	Limitation	
11	Bibliography	

## **System Concept**

- It is easy understand to user and user friendly.
- It help to store large amount data.
- It gives printed report.

## **FACT FINDING METHOD**

The imported step in analysis and design is to collect background information about system.

For finding the information the method are used as follow.

### **INTERVIEW.**

### **RECORD OR DOCUMENTATION SEARCHING.**

#### **1) INTERVIEW.**

This interviews is used to collect information about system.

It gives quantitative information about problem failure, objective and constraints.

#### **2) RECORD OR DOCUMENTATION SEARCHING.**

The method is used to establish the information about system.



# **PROPOSED SYSTEM**

- OBJECTIVE OF THE PROPOSED SYSTEM.
- PROPOSED HARDWARE AND SOFTWARE PROPOSED SOFTWARE.

- PROPOSED HARDWARE.
- JUSTIFICATION.

## **□ FEASIBILITY STUDY.**

- TECHNICAL FEASIBILITY.
- OPERATIONAL FEASIBILITY.
- ECONOMICAL FEASIBILITY.

## **□ SCOPE OF PROPOSED SYSTEM.**

## **□ INPUT TO THE PROPOSED SYSTEM.**

## **□ OUTPUT FROM THE SYSTEM.**

# **OBJECTIVE OF PROPOSED SYSTEM**

- To overcome the problem arrived in the existing system.
- To generate error free report.
- Required information retrieves such as faster than existing system .
- To help user in maintenance of record in systematic manner.
- To provide facility like save ,update , clear , search the record.
- To provide various report to user.

## **PROPOSED HARDWARE AND SOFTWARE PLATFORM**

- **PROPOSED HARDWARE AND SOFTWARE SYSTEM**

- Core i3 or i5 or i6 processor 4GB of RAM
- 1TB of HDD storage
- 512GB of SSD

- **PROPOSED SOFTWARE PLATFORM**

- Windows operating system.
- MySQL

- **JUSTIFICATION**

Capability of handling many database of large size of or volume efficiently accurately and fastly,

As far as software concern with *Eclipse IDE* has a facility to support the basic requirement software.

# **FEASIBILITY STUDY**

Prior to the system development through a study of system is carried out which involves.

1. Identification of user problem.
2. Identification of whether the proposed system can meet users need.
3. Providing the technical feasibility of the proposed system.

## **1. FEASIBILITY STUDY HAS THREE TYPES**

1. Technical feasibility.
2. Operational Feasibility.
3. Economical Feasibility.

## **1. TECHNICAL FEASIBILITY**

This aspect always consider to last important issue.

The hardware required to support the system is really available.

1. System is developed using Eclipse Ide 2022 as a front end and Oracle 10g as a backend.
2. The system being user friendly and data entry is easy.
3. User can easily insert ,delete and retriving data from database.

## **2. OPERATIONAL FEASIBILITY**

The implementation of this system will not increase user load.

This is usually upon the owner of Rental shop who would mark operational feasible by using system.

## **3. ECONOMICAL FEASIBILITY**

Looking at the available resources and advantages of the system the economical feasibility becomes a non-issue. As the system is developed using existing hardware and software.

# **SCOPE OF PROPOSED SYSTEM**

\*Number of queries are used.

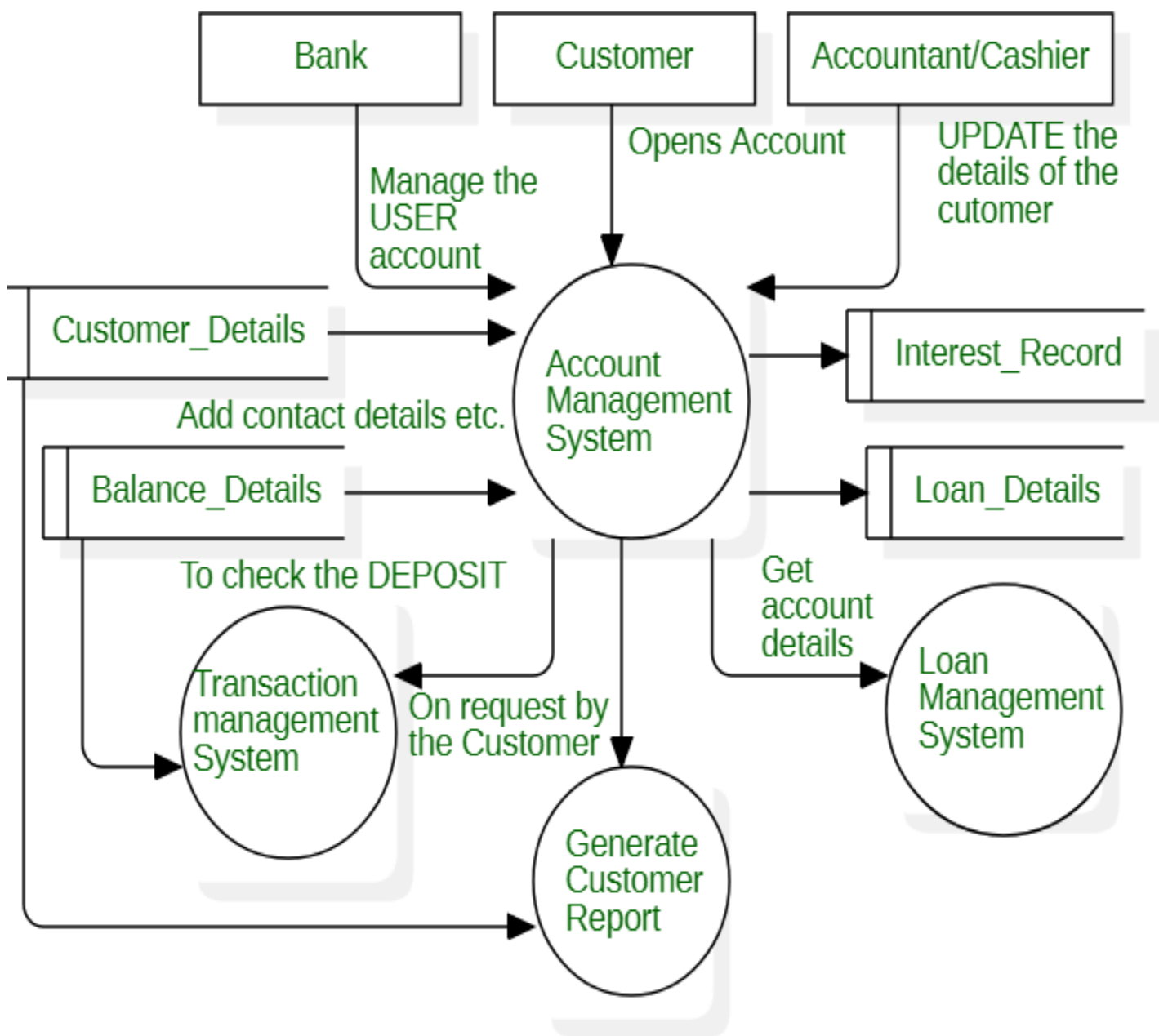
\*Entries are stored in disk or any portable disk.

## **INPUTS TO THE SYSTEM.**

1. Cars information.
2. Customers information.
3. Rental information.
4. User information

## **OUTPUTS FROM THE SYSTEM**

1. Customer Information.
2. Return Information.
3. Dashboard Information.5.0



1. Account Management System

**DATA FLOW DIAGRAM**

## **Bank Table Information**

<b>S.R.No.</b>	<b>Field</b>	<b>Data Type</b>	<b>Null</b>	<b>Key</b>
1	pin	varchar(10)	NOT NULL	-----
2	date	varchar(50)	NOT NULL	-----
3	type	varchar(20)	NOT NULL	-----
4	ammount	varchar(20)	NOT NULL	-----

## **Login Table Information**

<b>S.R.No.</b>	<b>Field</b>	<b>Data Type</b>	<b>Size</b>	<b>Null</b>	<b>Key</b>
1	formno	varchar	20	NOT NULL	P.K
2	cardnumber	Varhar	25	NOT NULL	-----
3	pin	Varchar	10	NOT NULL	-----



## Signup Table

SR.No.	Field Name	Data Type	Size	Null	Key
1	formno	Varchar	20	Not Null	-----
2	name	Varchar	30	NotNull	-----
3	father_name	Varchar	30	Not Null	-----
4	dob	Varchar	20	Not Null	-----
5	gender	Varchar	20	Not Null	-----
6	email	Varchar	30	Not Null	-----
7	marital_status	Varchar	20	Not Null	-----
8	address	Varchar	40	Not Null	-----
9	city	Varchar	25	Not Null	-----
10	pincode	Varchar	20	Not Null	-----
11	state	Varchar	25	Not Null	-----

## Signupthree Information Table

SR.No	Field	Data Type	Size		Key
1	formno	Varchar	20	Not Null	--
2	accountType	Varchar	40	NotNull	--
3	cardnumber	Varchar	20	Not Null	--
4	pin	Varchar	10	Not Null	--
5	facility	Varchar	100	Not Null	--

## **Signuptwo Information Table**

S.R.No	Field Name	Data Type	Size		Key
1	formno	varchar	20	NOT NULL	-----
2	religion	varchar	20	NOT NULL	-----
3	category	Varchar	20	NOT NULL	-----
4	income	varchar	20	NOT NULL	-----
5	education	varchar	20	NOT Null	-----
5	occupation	varchar	20	NOT Null	-----
6	pen	varchar	20	NOT Null	-----
7	aadhar	varchar	20	NOT Null	-----
8	seniorcitizen	varchar	20	NOT Null	-----
9	existingaccount	varchar	20	NOT Null	-----

## **SOURCE CODE:**

### **#LOGIN.JAVA**

```
package ASimulatorSystem;

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.sql.*;

public class Login extends JFrame implements ActionListener{
    JLabel l1,l2,l3;
    JTextField tf1;
    JPasswordField pf2;
    JButton b1,b2,b3;

    Login(){
        setTitle("AUTOMATED TELLER MACHINE");

        ImageIcon i1 = new ImageIcon(ClassLoader.getResource("ASimulatorSystem/icons/logo.jpg"));
        Image i2 = i1.getImage().getScaledInstance(100, 100, Image.SCALE_DEFAULT);
        ImageIcon i3 = new ImageIcon(i2);
        JLabel l11 = new JLabel(i3);
        l11.setBounds(70, 10, 100, 100);
        add(l11);

        l1 = new JLabel("WELCOME TO ATM");
        l1.setFont(new Font("Oswald", Font.BOLD, 38));
        l1.setBounds(200,40,450,40);
        add(l1);

        l2 = new JLabel("Card No:");
        l2.setFont(new Font("Raleway", Font.BOLD, 28));
        l2.setBounds(125,150,375,30);
        add(l2);

        tf1 = new JTextField(15);
        tf1.setBounds(300,150,230,30);
        tf1.setFont(new Font("Arial", Font.BOLD, 14));
        add(tf1);

        l3 = new JLabel("PIN:");
        l3.setFont(new Font("Raleway", Font.BOLD, 28));
        l3.setBounds(125,220,375,30);
        add(l3);

        pf2 = new JPasswordField(15);
        pf2.setFont(new Font("Arial", Font.BOLD, 14));
```

```

pf2.setBounds(300,220,230,30);
add(pf2);

b1 = new JButton("SIGN IN");
b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);

b2 = new JButton("CLEAR");
b2.setBackground(Color.BLACK);
b2.setForeground(Color.WHITE);

b3 = new JButton("SIGN UP");
b3.setBackground(Color.BLACK);
b3.setForeground(Color.WHITE);

setLayout(null);

b1.setFont(new Font("Arial", Font.BOLD, 14));
b1.setBounds(300,300,100,30);
add(b1);

b2.setFont(new Font("Arial", Font.BOLD, 14));
b2.setBounds(430,300,100,30);
add(b2);

b3.setFont(new Font("Arial", Font.BOLD, 14));
b3.setBounds(300,350,230,30);
add(b3);

b1.addActionListener(this);
b2.addActionListener(this);
b3.addActionListener(this);

getContentPane().setBackground(Color.WHITE);

setSize(800,480);
setLocation(550,200);
setVisible(true);

}

public void actionPerformed(ActionEvent ae){
    try{
        if(ae.getSource()==b1){
            Conn c1 = new Conn();
            String cardno = tf1.getText();
            String pin = pf2.getText();
            String q = "select * from login where cardnumber = '"+cardno+"' and pin = '"+pin+"'";

```

```

        ResultSet rs = c1.s.executeQuery(q);
        if(rs.next()){
            setVisible(false);
            new Transactions(pin).setVisible(true);
        }else{
            JOptionPane.showMessageDialog(null, "Incorrect Card Number or PIN");
        }
    }else if(ae.getSource()==b2){
        tf1.setText("");
        pf2.setText("");
    }else if(ae.getSource()==b3){
        setVisible(false);
        new Signup().setVisible(true);
    }
}catch(Exception e){
    e.printStackTrace();
}
}
public static void main(String[] args){
    new Login().setVisible(true);
}
}
}

```

### #SIGNUP.JAVA

```

package ASimulatorSystem;

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.sql.*;
import com.toedter.calendar.JDateChooser;
import java.util.*;

public class Signup extends JFrame implements ActionListener{

    JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12,l13,l14,l15;
    JTextField t1,t2,t3,t4,t5,t6,t7;
    JRadioButton r1,r2,r3,r4,r5;
    JButton b;
    JDateChooser dateChooser;

    Random ran = new Random();
    long first4 = (ran.nextLong() % 9000L) + 1000L;
}

```

```
String first = "" + Math.abs(first4);
```

```
Signup(){
```

```
    setTitle("NEW ACCOUNT APPLICATION FORM");
```

```
    ImageIcon i1 = new ImageIcon(ClassLoader.getResource("ASimulatorSystem/icons/logo.jpg"));
```

```
    Image i2 = i1.getImage().getScaledInstance(100, 100, Image.SCALE_DEFAULT);
```

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

```
    JLabel l11 = new JLabel(i3);
```

```
    l11.setBounds(20, 0, 100, 100);
```

```
    add(l11);
```

```
    l1 = new JLabel("APPLICATION FORM NO. "+first);
```

```
    l1.setFont(new Font("Raleway", Font.BOLD, 38));
```

```
    l2 = new JLabel("Page 1: Personal Details");
```

```
    l2.setFont(new Font("Raleway", Font.BOLD, 22));
```

```
    l3 = new JLabel("Name:");
```

```
    l3.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l4 = new JLabel("Father's Name:");
```

```
    l4.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l5 = new JLabel("Date of Birth:");
```

```
    l5.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l6 = new JLabel("Gender:");
```

```
    l6.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l7 = new JLabel("Email Address:");
```

```
    l7.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l8 = new JLabel("Marital Status:");
```

```
    l8.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l9 = new JLabel("Address:");
```

```
    l9.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l10 = new JLabel("City:");
```

```
    l10.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l11 = new JLabel("Pin Code:");
```

```
    l11.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l12 = new JLabel("State:");
```

```
    l12.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
l13 = new JLabel("Date");  
l13.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
l14 = new JLabel("Month");  
l14.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
l15 = new JLabel("Year");  
l15.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t1 = new JTextField();  
t1.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t2 = new JTextField();  
t2.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t3 = new JTextField();  
t3.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t4 = new JTextField();  
t4.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t5 = new JTextField();  
t5.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t6 = new JTextField();  
t6.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t7 = new JTextField();  
t7.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
b = new JButton("Next");  
b.setFont(new Font("Raleway", Font.BOLD, 14));  
b.setBackground(Color.BLACK);  
b.setForeground(Color.WHITE);
```

```
r1 = new JRadioButton("Male");  
r1.setFont(new Font("Raleway", Font.BOLD, 14));  
r1.setBackground(Color.WHITE);
```

```
r2 = new JRadioButton("Female");  
r2.setFont(new Font("Raleway", Font.BOLD, 14));  
r2.setBackground(Color.WHITE);
```

```
ButtonGroup groupgender = new ButtonGroup();
```



```
groupgender.add(r1);
groupgender.add(r2);

r3 = new JRadioButton("Married");
r3.setFont(new Font("Raleway", Font.BOLD, 14));
r3.setBackground(Color.WHITE);

r4 = new JRadioButton("Unmarried");
r4.setFont(new Font("Raleway", Font.BOLD, 14));
r4.setBackground(Color.WHITE);

r5 = new JRadioButton("Other");
r5.setFont(new Font("Raleway", Font.BOLD, 14));
r5.setBackground(Color.WHITE);

ButtonGroup groupstatus = new ButtonGroup();
groupstatus.add(r3);
groupstatus.add(r4);
groupstatus.add(r5);

dateChooser = new JDateChooser();
    //dateChooser.setBorder(new LineBorder(new Color(0, 0, 0), 1, true));
    dateChooser.setForeground(new Color(105, 105, 105));
    dateChooser.setBounds(137, 337, 200, 29);
    add(dateChooser);

setLayout(null);
l1.setBounds(140,20,600,40);
add(l1);

l2.setBounds(290,80,600,30);
add(l2);

l3.setBounds(100,140,100,30);
add(l3);

t1.setBounds(300,140,400,30);
add(t1);

l4.setBounds(100,190,200,30);
add(l4);

t2.setBounds(300,190,400,30);
add(t2);

l5.setBounds(100,240,200,30);
add(l5);
```

```
dateChooser.setBounds(300, 240, 400, 30);
```

```
l6.setBounds(100,290,200,30);  
add(l6);
```

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

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

```
l7.setBounds(100,340,200,30);  
add(l7);
```

```
t3.setBounds(300,340,400,30);  
add(t3);
```

```
l8.setBounds(100,390,200,30);  
add(l8);
```

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

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

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

```
l9.setBounds(100,440,200,30);  
add(l9);
```

```
t4.setBounds(300,440,400,30);  
add(t4);
```

```
l10.setBounds(100,490,200,30);  
add(l10);
```

```
t5.setBounds(300,490,400,30);  
add(t5);
```

```
l11.setBounds(100,540,200,30);  
add(l11);
```

```
t6.setBounds(300,540,400,30);  
add(t6);
```

```

l12.setBounds(100,590,200,30);
add(l12);

t7.setBounds(300,590,400,30);
add(t7);

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

b.addActionListener(this);

getContentPane().setBackground(Color.WHITE);

setSize(850,800);
setLocation(500,120);
setVisible(true);
}

public void actionPerformed(ActionEvent ae){

    String formno = first;
    String name = t1.getText();
    String fname = t2.getText();
    String dob = ((JTextField) dateChooser.getDateEditor().getUiComponent()).getText();
    String gender = null;
    if(r1.isSelected()){
        gender = "Male";
    }else if(r2.isSelected()){
        gender = "Female";
    }

    String email = t3.getText();
    String marital = null;
    if(r3.isSelected()){
        marital = "Married";
    }else if(r4.isSelected()){
        marital = "Unmarried";
    }else if(r5.isSelected()){
        marital = "Other";
    }

    String address = t4.getText();
    String city = t5.getText();
    String pincode = t6.getText();
    String state = t7.getText();

```

```

try{

    if(t6.getText().equals("")){
        JOptionPane.showMessageDialog(null, "Fill all the required fields");
    }else{
        Conn c1 = new Conn();
        String q1 = "insert into signup
values('"+formno+"','"+name+"','"+fname+"','"+dob+"','"+gender+"','"+email+"','"+marital+"','"+address+"','"+city+"','"+pincode+"',
 '"+state+"')";
        c1.s.executeUpdate(q1);

        new Signup2(first).setVisible(true);
        setVisible(false);
    }

}catch(Exception e){
    e.printStackTrace();
}

}

```

```

public static void main(String[] args){
    new Signup().setVisible(true);
}
}

```

### **#CONN.JAVA**

```
package ASimulatorSystem;
```

```

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.sql.*;
import com.toedter.calendar.JDateChooser;
import java.util.*;

```

```
public class Signup extends JFrame implements ActionListener{
```

```

    JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12,l13,l14,l15;
    JTextField t1,t2,t3,t4,t5,t6,t7;
    JRadioButton r1,r2,r3,r4,r5;
    JButton b;
    JDateChooser dateChooser;

```

```

    Random ran = new Random();
    long first4 = (ran.nextLong() % 9000L) + 1000L;
    String first = "" + Math.abs(first4);

```

```
Signup(){
```

```
    setTitle("NEW ACCOUNT APPLICATION FORM");
```

```
    ImageIcon i1 = new ImageIcon(ClassLoader.getResource("ASimulatorSystem/icons/logo.jpg"));
```

```
    Image i2 = i1.getImage().getScaledInstance(100, 100, Image.SCALE_DEFAULT);
```

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

```
    JLabel l11 = new JLabel(i3);
```

```
    l11.setBounds(20, 0, 100, 100);
```

```
    add(l11);
```

```
    l1 = new JLabel("APPLICATION FORM NO. "+first);
```

```
    l1.setFont(new Font("Raleway", Font.BOLD, 38));
```

```
    l2 = new JLabel("Page 1: Personal Details");
```

```
    l2.setFont(new Font("Raleway", Font.BOLD, 22));
```

```
    l3 = new JLabel("Name:");
```

```
    l3.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l4 = new JLabel("Father's Name:");
```

```
    l4.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l5 = new JLabel("Date of Birth:");
```

```
    l5.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l6 = new JLabel("Gender:");
```

```
    l6.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l7 = new JLabel("Email Address:");
```

```
    l7.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l8 = new JLabel("Marital Status:");
```

```
    l8.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l9 = new JLabel("Address:");
```

```
    l9.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l10 = new JLabel("City:");
```

```
    l10.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l11 = new JLabel("Pin Code:");
```

```
    l11.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
    l12 = new JLabel("State:");
```

```
    l12.setFont(new Font("Raleway", Font.BOLD, 20));
```

```
l13 = new JLabel("Date");  
l13.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
l14 = new JLabel("Month");  
l14.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
l15 = new JLabel("Year");  
l15.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t1 = new JTextField();  
t1.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t2 = new JTextField();  
t2.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t3 = new JTextField();  
t3.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t4 = new JTextField();  
t4.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t5 = new JTextField();  
t5.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t6 = new JTextField();  
t6.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t7 = new JTextField();  
t7.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
b = new JButton("Next");  
b.setFont(new Font("Raleway", Font.BOLD, 14));  
b.setBackground(Color.BLACK);  
b.setForeground(Color.WHITE);
```

```
r1 = new JRadioButton("Male");  
r1.setFont(new Font("Raleway", Font.BOLD, 14));  
r1.setBackground(Color.WHITE);
```

```
r2 = new JRadioButton("Female");  
r2.setFont(new Font("Raleway", Font.BOLD, 14));  
r2.setBackground(Color.WHITE);
```

```
ButtonGroup groupgender = new ButtonGroup();  
groupgender.add(r1);
```

```
groupgender.add(r2);

r3 = new JRadioButton("Married");
r3.setFont(new Font("Raleway", Font.BOLD, 14));
r3.setBackground(Color.WHITE);

r4 = new JRadioButton("Unmarried");
r4.setFont(new Font("Raleway", Font.BOLD, 14));
r4.setBackground(Color.WHITE);

r5 = new JRadioButton("Other");
r5.setFont(new Font("Raleway", Font.BOLD, 14));
r5.setBackground(Color.WHITE);

ButtonGroup groupstatus = new ButtonGroup();
groupstatus.add(r3);
groupstatus.add(r4);
groupstatus.add(r5);

dateChooser = new JDateChooser();
    //dateChooser.setBorder(new LineBorder(new Color(0, 0, 0), 1, true));
    dateChooser.setForeground(new Color(105, 105, 105));
    dateChooser.setBounds(137, 337, 200, 29);
    add(dateChooser);

setLayout(null);
l1.setBounds(140,20,600,40);
add(l1);

l2.setBounds(290,80,600,30);
add(l2);

l3.setBounds(100,140,100,30);
add(l3);

t1.setBounds(300,140,400,30);
add(t1);

l4.setBounds(100,190,200,30);
add(l4);

t2.setBounds(300,190,400,30);
add(t2);

l5.setBounds(100,240,200,30);
add(l5);

dateChooser.setBounds(300, 240, 400, 30);
```

```
l6.setBounds(100,290,200,30);  
add(l6);
```

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

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

```
l7.setBounds(100,340,200,30);  
add(l7);
```

```
t3.setBounds(300,340,400,30);  
add(t3);
```

```
l8.setBounds(100,390,200,30);  
add(l8);
```

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

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

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

```
l9.setBounds(100,440,200,30);  
add(l9);
```

```
t4.setBounds(300,440,400,30);  
add(t4);
```

```
l10.setBounds(100,490,200,30);  
add(l10);
```

```
t5.setBounds(300,490,400,30);  
add(t5);
```

```
l11.setBounds(100,540,200,30);  
add(l11);
```

```
t6.setBounds(300,540,400,30);  
add(t6);
```



```

l12.setBounds(100,590,200,30);
add(l12);

t7.setBounds(300,590,400,30);
add(t7);

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

b.addActionListener(this);

getContentPane().setBackground(Color.WHITE);

setSize(850,800);
setLocation(500,120);
setVisible(true);
}

public void actionPerformed(ActionEvent ae){

    String formno = first;
    String name = t1.getText();
    String fname = t2.getText();
    String dob = ((JTextField) dateChooser.getDateEditor().getUiComponent()).getText();
    String gender = null;
    if(r1.isSelected()){
        gender = "Male";
    }else if(r2.isSelected()){
        gender = "Female";
    }

    String email = t3.getText();
    String marital = null;
    if(r3.isSelected()){
        marital = "Married";
    }else if(r4.isSelected()){
        marital = "Unmarried";
    }else if(r5.isSelected()){
        marital = "Other";
    }

    String address = t4.getText();
    String city = t5.getText();
    String pincode = t6.getText();
    String state = t7.getText();

    try{

```

```

        if(t6.getText().equals("")){
            JOptionPane.showMessageDialog(null, "Fill all the required fields");
        }else{
            Conn c1 = new Conn();
            String q1 = "insert into signup
values('"+formno+"','"+name+"','"+fname+"','"+dob+"','"+gender+"','"+email+"','"+marital+"','"+address+"','"+city+"','"+pincode+"',
 '"+state+"')";
            c1.s.executeUpdate(q1);

            new Signup2(first).setVisible(true);
            setVisible(false);
        }

    }catch(Exception e){
        e.printStackTrace();
    }
}

```

```

public static void main(String[] args){
    new Signup().setVisible(true);
}
}

```

#### **#SIGNUPTWO.JAVA**

```

package ASimulatorSystem;

```

```

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.sql.*;

```

```

public class Signup2 extends JFrame implements ActionListener{

```

```

    JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12,l13;
    JButton b;
    JRadioButton r1,r2,r3,r4;
    JTextField t1,t2,t3;
    JComboBox c1,c2,c3,c4,c5;
    String formno;
    Signup2(String formno){

```

```

        ImageIcon i1 = new ImageIcon(ClassLoader.getResource("ASimulatorSystem/icons/logo.jpg"));
        Image i2 = i1.getImage().getScaledInstance(100, 100, Image.SCALE_DEFAULT);
        ImageIcon i3 = new ImageIcon(i2);
        JLabel l14 = new JLabel(i3);

```

```
l14.setBounds(150, 0, 100, 100);  
add(l14);
```

```
this.formno = formno;  
setTitle("NEW ACCOUNT APPLICATION FORM - PAGE 2");
```

```
l1 = new JLabel("Page 2: Additonal Details");  
l1.setFont(new Font("Raleway", Font.BOLD, 22));
```

```
l2 = new JLabel("Religion:");  
l2.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l3 = new JLabel("Category:");  
l3.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l4 = new JLabel("Income:");  
l4.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l5 = new JLabel("Educational");  
l5.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l11 = new JLabel("Qualification:");  
l11.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l6 = new JLabel("Occupation:");  
l6.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l7 = new JLabel("PAN Number:");  
l7.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l8 = new JLabel("Aadhar Number:");  
l8.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l9 = new JLabel("Senior Citizen:");  
l9.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l10 = new JLabel("Existing Account:");  
l10.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l12 = new JLabel("Form No:");  
l12.setFont(new Font("Raleway", Font.BOLD, 13));
```

```
l13 = new JLabel(formno);  
l13.setFont(new Font("Raleway", Font.BOLD, 13));
```

```
b = new JButton("Next");  
b.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
b.setBackground(Color.BLACK);  
b.setForeground(Color.WHITE);
```

```
t1 = new JTextField();  
t1.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
t2 = new JTextField();  
t2.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
r1 = new JRadioButton("Yes");  
r1.setFont(new Font("Raleway", Font.BOLD, 14));  
r1.setBackground(Color.WHITE);
```

```
r2 = new JRadioButton("No");  
r2.setFont(new Font("Raleway", Font.BOLD, 14));  
r2.setBackground(Color.WHITE);
```

```
r3 = new JRadioButton("Yes");  
r3.setFont(new Font("Raleway", Font.BOLD, 14));  
r3.setBackground(Color.WHITE);
```

```
r4 = new JRadioButton("No");  
r4.setFont(new Font("Raleway", Font.BOLD, 14));  
r4.setBackground(Color.WHITE);
```

```
String religion[] = {"Hindu", "Muslim", "Sikh", "Christian", "Other"};  
c1 = new JComboBox(religion);  
c1.setBackground(Color.WHITE);  
c1.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
String category[] = {"General", "OBC", "SC", "ST", "Other"};  
c2 = new JComboBox(category);  
c2.setBackground(Color.WHITE);  
c2.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
String income[] = {"Null", "<1,50,000", "<2,50,000", "<5,00,000", "Upto 10,00,000", "Above 10,00,000"};  
c3 = new JComboBox(income);  
c3.setBackground(Color.WHITE);  
c3.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
String education[] = {"Non-Graduate", "Graduate", "Post-Graduate", "Doctrate", "Others"};  
c4 = new JComboBox(education);  
c4.setBackground(Color.WHITE);  
c4.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
String occupation[] = {"Salaried", "Self-Employed", "Business", "Student", "Retired", "Others"};  
c5 = new JComboBox(occupation);
```

```
c5.setBackground(Color.WHITE);  
c5.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
setLayout(null);
```

```
l12.setBounds(700,10,60,30);  
add(l12);
```

```
l13.setBounds(760,10,60,30);  
add(l13);
```

```
l1.setBounds(280,30,600,40);  
add(l1);
```

```
l2.setBounds(100,120,100,30);  
add(l2);
```

```
c1.setBounds(350,120,320,30);  
add(c1);
```

```
l3.setBounds(100,170,100,30);  
add(l3);
```

```
c2.setBounds(350,170,320,30);  
add(c2);
```

```
l4.setBounds(100,220,100,30);  
add(l4);
```

```
c3.setBounds(350,220,320,30);  
add(c3);
```

```
l5.setBounds(100,270,150,30);  
add(l5);
```

```
c4.setBounds(350,270,320,30);  
add(c4);
```

```
l11.setBounds(100,290,150,30);  
add(l11);
```

```
l6.setBounds(100,340,150,30);  
add(l6);
```

```
c5.setBounds(350,340,320,30);  
add(c5);
```

```

l7.setBounds(100,390,150,30);
add(l7);

t1.setBounds(350,390,320,30);
add(t1);

l8.setBounds(100,440,180,30);
add(l8);

t2.setBounds(350,440,320,30);
add(t2);

l9.setBounds(100,490,150,30);
add(l9);

r1.setBounds(350,490,100,30);
add(r1);

r2.setBounds(460,490,100,30);
add(r2);

l10.setBounds(100,540,180,30);
add(l10);

r3.setBounds(350,540,100,30);
add(r3);

r4.setBounds(460,540,100,30);
add(r4);

b.setBounds(570,640,100,30);
add(b);

b.addActionListener(this);

getContentPane().setBackground(Color.WHITE);

setSize(850,750);
setLocation(500,120);
setVisible(true);
}

public void actionPerformed(ActionEvent ae){
    String religion = (String)c1.getSelectedItem();
    String category = (String)c2.getSelectedItem();
    String income = (String)c3.getSelectedItem();
    String education = (String)c4.getSelectedItem();

```

```

String occupation = (String)c5.getSelectedItem();

String pan = t1.getText();
String aadhar = t2.getText();

String scitizen = "";
if(r1.isSelected()){
    scitizen = "Yes";
}
else if(r2.isSelected()){
    scitizen = "No";
}

String eaccount = "";
if(r3.isSelected()){
    eaccount = "Yes";
}else if(r4.isSelected()){
    eaccount = "No";
}

try{
    if(t2.getText().equals("")){
        JOptionPane.showMessageDialog(null, "Fill all the required fields");
    }else{
        Conn c1 = new Conn();
        String q1 = "insert into signuptwo
values('"+formno+"','"+religion+"','"+category+"','"+income+"','"+education+"','"+occupation+"','"+pan+"','"+aadhar+"','"+scitizen+
','"+eaccount+"')";
        c1.s.executeUpdate(q1);

        new Signup3(formno).setVisible(true);
        setVisible(false);
    }

}

}

public static void main(String[] args){
    new Signup2("").setVisible(true);
}
}

```

## #SIGNUPTHREE

```
package ASimulatorSystem;

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.sql.*;
import java.util.*;

public class Signup3 extends JFrame implements ActionListener{

    JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12;
    JRadioButton r1,r2,r3,r4;
    JButton b1,b2;
    JCheckBox c1,c2,c3,c4,c5,c6,c7;
    String formno;
    Signup3(String formno){
        this.formno = formno;
        setTitle("NEW ACCOUNT APPLICATION FORM - PAGE 3");

        ImageIcon i1 = new ImageIcon(ClassLoader.getResource("ASimulatorSystem/icons/logo.jpg"));
        Image i2 = i1.getImage().getScaledInstance(100, 100, Image.SCALE_DEFAULT);
        ImageIcon i3 = new ImageIcon(i2);
        JLabel l14 = new JLabel(i3);
        l14.setBounds(150, 0, 100, 100);
        add(l14);

        l1 = new JLabel("Page 3: Account Details");
        l1.setFont(new Font("Raleway", Font.BOLD, 22));

        l2 = new JLabel("Account Type:");
        l2.setFont(new Font("Raleway", Font.BOLD, 18));

        l3 = new JLabel("Card Number:");
        l3.setFont(new Font("Raleway", Font.BOLD, 18));

        l4 = new JLabel("XXXX-XXXX-XXXX-4184");
        l4.setFont(new Font("Raleway", Font.BOLD, 18));

        l5 = new JLabel("(Your 16-digit Card number)");
        l5.setFont(new Font("Raleway", Font.BOLD, 12));

        l6 = new JLabel("It would appear on ATM Card/Cheque Book and Statements");
        l6.setFont(new Font("Raleway", Font.BOLD, 12));

        l7 = new JLabel("PIN:");
        l7.setFont(new Font("Raleway", Font.BOLD, 18));
```



```
l8 = new JLabel("XXXX");  
l8.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l9 = new JLabel("(4-digit password)");  
l9.setFont(new Font("Raleway", Font.BOLD, 12));
```

```
l10 = new JLabel("Services Required:");  
l10.setFont(new Font("Raleway", Font.BOLD, 18));
```

```
l11 = new JLabel("Form No:");  
l11.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
l12 = new JLabel(formno);  
l12.setFont(new Font("Raleway", Font.BOLD, 14));
```

```
b1 = new JButton("Submit");  
b1.setFont(new Font("Raleway", Font.BOLD, 14));  
b1.setBackground(Color.BLACK);  
b1.setForeground(Color.WHITE);
```

```
b2 = new JButton("Cancel");  
b2.setFont(new Font("Raleway", Font.BOLD, 14));  
b2.setBackground(Color.BLACK);  
b2.setForeground(Color.WHITE);
```

```
c1 = new JCheckBox("ATM CARD");  
c1.setBackground(Color.WHITE);  
c1.setFont(new Font("Raleway", Font.BOLD, 16));
```

```
c2 = new JCheckBox("Internet Banking");  
c2.setBackground(Color.WHITE);  
c2.setFont(new Font("Raleway", Font.BOLD, 16));
```

```
c3 = new JCheckBox("Mobile Banking");  
c3.setBackground(Color.WHITE);  
c3.setFont(new Font("Raleway", Font.BOLD, 16));
```

```
c4 = new JCheckBox("EMAIL Alerts");  
c4.setBackground(Color.WHITE);  
c4.setFont(new Font("Raleway", Font.BOLD, 16));
```

```
c5 = new JCheckBox("Cheque Book");  
c5.setBackground(Color.WHITE);  
c5.setFont(new Font("Raleway", Font.BOLD, 16));
```

```
c6 = new JCheckBox("E-Statement");
```

```
c6.setBackground(Color.WHITE);
c6.setFont(new Font("Raleway", Font.BOLD, 16));
```

```
c7 = new JCheckBox("I hereby declares that the above entered details correct to th best of my knowledge.",true);
c7.setBackground(Color.WHITE);
c7.setFont(new Font("Raleway", Font.BOLD, 12));
r1 = new JRadioButton("Saving Account");
r1.setFont(new Font("Raleway", Font.BOLD, 16));
r1.setBackground(Color.WHITE);
    r2 = new JRadioButton("Fixed Deposit Account");
r2.setFont(new Font("Raleway", Font.BOLD, 16));
r2.setBackground(Color.WHITE);
```

```
r3 = new JRadioButton("Current Account");
r3.setFont(new Font("Raleway", Font.BOLD, 16));
r3.setBackground(Color.WHITE);
```

```
r4 = new JRadioButton("Recurring Deposit Account");
r4.setFont(new Font("Raleway", Font.BOLD, 16));
r4.setBackground(Color.WHITE);
```

```
ButtonGroup groupgender = new ButtonGroup();
groupgender.add(r1);
groupgender.add(r2);
groupgender.add(r3);
groupgender.add(r4);
```

```
setLayout(null);
```

```
l11.setBounds(700,10,70,30);
add(l11);
```

```
l12.setBounds(770,10,40,30);
add(l12);
```

```
l1.setBounds(280,40,400,40);
add(l1);
```

```
l2.setBounds(100,140,200,30);
add(l2);
```

```
r1.setBounds(100,180,150,30);
add(r1);
```

```
r2.setBounds(350,180,300,30);
add(r2);
```

```
r3.setBounds(100,220,250,30);
```

add(r3);

r4.setBounds(350,220,250,30);  
add(r4);

l3.setBounds(100,300,200,30);  
add(l3);

l4.setBounds(330,300,250,30);  
add(l4);

l5.setBounds(100,330,200,20);  
add(l5);

l6.setBounds(330,330,500,20);  
add(l6);

l7.setBounds(100,370,200,30);  
add(l7);

l8.setBounds(330,370,200,30);  
add(l8);

l9.setBounds(100,400,200,20);  
add(l9);

l10.setBounds(100,450,200,30);  
add(l10);

c1.setBounds(100,500,200,30);  
add(c1);

c2.setBounds(350,500,200,30);  
add(c2);

c3.setBounds(100,550,200,30);  
add(c3);

c4.setBounds(350,550,200,30);  
add(c4);

c5.setBounds(100,600,200,30);  
add(c5);

c6.setBounds(350,600,200,30);  
add(c6);

c7.setBounds(100,680,600,20);

```

add(c7);

b1.setBounds(250,720,100,30);
add(b1);

b2.setBounds(420,720,100,30);
add(b2);

getContentPane().setBackground(Color.WHITE);

setSize(850,850);
setLocation(500,120);
setVisible(true);

b1.addActionListener(this);
b2.addActionListener(this);

}

public void actionPerformed(ActionEvent ae){
    String atype = null;
    if(r1.isSelected()){
        atype = "Saving Account";
    }
    else if(r2.isSelected()){
        atype = "Fixed Deposit Account";
    }
    else if(r3.isSelected()){
        atype = "Current Account";
    }else if(r4.isSelected()){
        atype = "Recurring Deposit Account";
    }

    Random ran = new Random();
    long first7 = (ran.nextLong() % 900000000L) + 504093600000000000L;
    String cardno = "" + Math.abs(first7);

    long first3 = (ran.nextLong() % 9000L) + 1000L;
    String pin = "" + Math.abs(first3);

    String facility = "";
    if(c1.isSelected()){
        facility = facility + " ATM Card";
    }
    if(c2.isSelected()){
        facility = facility + " Internet Banking";
    }
}

```

```

        if(c3.isSelected()){
            facility = facility + " Mobile Banking";
        }
        if(c4.isSelected()){
            facility = facility + " EMAIL Alerts";
        }
        if(c5.isSelected()){
            facility = facility + " Cheque Book";
        }
        if(c6.isSelected()){
            facility = facility + " E-Statement";
        }

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

                if(atype.equals("")){
                    JOptionPane.showMessageDialog(null, "Fill all the required fields");
                }else{
                    Conn c1 = new Conn();
                    String q1 = "insert into signupthree values('"+formno+"','"+atype+"','"+cardno+"','"+pin+"','"+facility+"')";
                    String q2 = "insert into login values('"+formno+"','"+cardno+"','"+pin+"')";
                    c1.s.executeUpdate(q1);
                    c1.s.executeUpdate(q2);
                    JOptionPane.showMessageDialog(null, "Card Number: " + cardno + "\n Pin:" + pin);

                    new Deposit(pin).setVisible(true);
                    setVisible(false);
                }

            }else if(ae.getSource()==b2){
                System.exit(0);
            }

        }catch(Exception ex){
            ex.printStackTrace();
        }

    }

    public static void main(String[] args){
        new Signup3("").setVisible(true);
    }

}

```

**#TRANSACTION.JAVA**

```

package ASimulatorSystem;

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.sql.*;

public class Transactions extends JFrame implements ActionListener{

    JLabel l1;
    JButton b1,b2,b3,b4,b5,b6,b7;
    String pin;
    Transactions(String pin){
        this.pin = pin;
        ImageIcon i1 = new ImageIcon(ClassLoader.getResource("ASimulatorSystem/icons/atm.jpg"));
        Image i2 = i1.getImage().getScaledInstance(1000, 1180, Image.SCALE_DEFAULT);
        ImageIcon i3 = new ImageIcon(i2);
        JLabel l2 = new JLabel(i3);
        l2.setBounds(0, 0, 960, 1080);
        add(l2);

        l1 = new JLabel("Please Select Your Transaction");
        l1.setForeground(Color.WHITE);
        l1.setFont(new Font("System", Font.BOLD, 16));

        b1 = new JButton("DEPOSIT");
        b2 = new JButton("CASH WITHDRAWAL");
        b3 = new JButton("FAST CASH");
        b4 = new JButton("MINI STATEMENT");
        b5 = new JButton("PIN CHANGE");
        b6 = new JButton("BALANCE ENQUIRY");
        b7 = new JButton("EXIT");

        setLayout(null);

        l1.setBounds(235,400,700,35);
        l2.add(l1);

        b1.setBounds(170,499,150,35);
        l2.add(b1);

        b2.setBounds(390,499,150,35);
        l2.add(b2);

        b3.setBounds(170,543,150,35);
        l2.add(b3);

```

```
b4.setBounds(390,543,150,35);  
l2.add(b4);
```

```
b5.setBounds(170,588,150,35);  
l2.add(b5);
```

```
b6.setBounds(390,588,150,35);  
l2.add(b6);
```

```
b7.setBounds(390,633,150,35);  
l2.add(b7);
```

```
b1.addActionListener(this);  
b2.addActionListener(this);  
b3.addActionListener(this);  
b4.addActionListener(this);  
b5.addActionListener(this);  
b6.addActionListener(this);  
b7.addActionListener(this);
```

```
setSize(960,1080);  
setLocation(500,0);  
setUndecorated(true);  
setVisible(true);
```

```
}
```

```
public void actionPerformed(ActionEvent ae){  
    if(ae.getSource()==b1){  
        setVisible(false);  
        new Deposit(pin).setVisible(true);  
    }else if(ae.getSource()==b2){  
        setVisible(false);  
        new Withdrawl(pin).setVisible(true);  
    }else if(ae.getSource()==b3){  
        setVisible(false);  
        new FastCash(pin).setVisible(true);  
    }else if(ae.getSource()==b4){  
        new MiniStatement(pin).setVisible(true);  
    }else if(ae.getSource()==b5){  
        setVisible(false);  
        new Pin(pin).setVisible(true);  
    }else if(ae.getSource()==b6){  
        this.setVisible(false);  
    }
```

```

        new BalanceEnquiry(pin).setVisible(true);
    }else if(ae.getSource()==b7){
        System.exit(0);
    }
}

```

```

public static void main(String[] args){
    new Transactions("").setVisible(true);
}
}

```

### **#FASTCASH.JAVA**

```

package ASimulatorSystem;

```

```

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.sql.*;
import java.util.Date;

```

```

public class FastCash extends JFrame implements ActionListener {

```

```

    JLabel l1, l2;
    JButton b1, b2, b3, b4, b5, b6, b7, b8;
    JTextField t1;
    String pin;

```

```

    FastCash(String pin) {
        this.pin = pin;
        ImageIcon i1 = new ImageIcon(ClassLoader.getResource("ASimulatorSystem/icons/atm.jpg"));
        Image i2 = i1.getImage().getScaledInstance(1000, 1180, Image.SCALE_DEFAULT);
        ImageIcon i3 = new ImageIcon(i2);
        JLabel l3 = new JLabel(i3);
        l3.setBounds(0, 0, 960, 1080);
        add(l3);

```

```

        l1 = new JLabel("SELECT WITHDRAWAL AMOUNT");
        l1.setForeground(Color.WHITE);
        l1.setFont(new Font("System", Font.BOLD, 16));

```

```

        b1 = new JButton("Rs 100");
        b2 = new JButton("Rs 500");
        b3 = new JButton("Rs 1000");
        b4 = new JButton("Rs 2000");
        b5 = new JButton("Rs 5000");
        b6 = new JButton("Rs 10000");
        b7 = new JButton("BACK");

```

```

        setLayout(null);

```



```

l1.setBounds(235, 400, 700, 35);
l3.add(l1);

b1.setBounds(170, 499, 150, 35);
l3.add(b1);

b2.setBounds(390, 499, 150, 35);
l3.add(b2);

b3.setBounds(170, 543, 150, 35);
l3.add(b3);

b4.setBounds(390, 543, 150, 35);
l3.add(b4);

b5.setBounds(170, 588, 150, 35);
l3.add(b5);

b6.setBounds(390, 588, 150, 35);
l3.add(b6);

b7.setBounds(390, 633, 150, 35);
l3.add(b7);

b1.addActionListener(this);
b2.addActionListener(this);
b3.addActionListener(this);
b4.addActionListener(this);
b5.addActionListener(this);
b6.addActionListener(this);
b7.addActionListener(this);

setSize(960, 1080);
setLocation(500, 0);
setUndecorated(true);
setVisible(true);
}

public void actionPerformed(ActionEvent ae) {
    try {
        String amount = ((JButton)ae.getSource()).getText().substring(3); //k
        Conn c = new Conn();
        ResultSet rs = c.s.executeQuery("select * from bank where pin = '"+pin+"'");
        int balance = 0;
        while (rs.next()) {
            if (rs.getString("mode").equals("Deposit")) {

```

```

        balance += Integer.parseInt(rs.getString("amount"));
    } else {
        balance -= Integer.parseInt(rs.getString("amount"));
    }
} String num = "17";
if (ae.getSource() != b7 && balance < Integer.parseInt(amount)) {
    JOptionPane.showMessageDialog(null, "Insuffient Balance");
    return;
}

if (ae.getSource() == b7) {
    this.setVisible(false);
    new Transactions(pin).setVisible(true);
} else {
    Date date = new Date();
    c.s.executeUpdate("insert into bank values('"+pin+"', '"+date+"', 'Withdrawl', '"+amount+"')");
    JOptionPane.showMessageDialog(null, "Rs. "+amount+" Debited Successfully");

    setVisible(false);
    new Transactions(pin).setVisible(true);
}
} catch (Exception e) {
    e.printStackTrace();
}

}

public static void main(String[] args) {
    new FastCash("").setVisible(true);
}
}

```

## **#DEPOSITE.JAVA**

```

package ASimulatorSystem;

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.util.*;

public class Deposit extends JFrame implements ActionListener{

    JTextField t1,t2;
    JButton b1,b2,b3;
    JLabel l1,l2,l3;
    String pin;
    Deposit(String pin){
        this.pin = pin;
    }
}

```

```

ImageIcon i1 = new ImageIcon(ClassLoader.getResource("ASimulatorSystem/icons/atm.jpg"));
Image i2 = i1.getImage().getScaledInstance(1000, 1180, Image.SCALE_DEFAULT);
ImageIcon i3 = new ImageIcon(i2);
JLabel l3 = new JLabel(i3);
l3.setBounds(0, 0, 960, 1080);
add(l3);

l1 = new JLabel("ENTER AMOUNT YOU WANT TO DEPOSIT");
l1.setForeground(Color.WHITE);
l1.setFont(new Font("System", Font.BOLD, 16));

t1 = new JTextField();
t1.setFont(new Font("Raleway", Font.BOLD, 22));

b1 = new JButton("DEPOSIT");
b2 = new JButton("BACK");

setLayout(null);

l1.setBounds(190,350,400,35);
l3.add(l1);

t1.setBounds(190,420,320,25);
l3.add(t1);

b1.setBounds(390,588,150,35);
l3.add(b1);

b2.setBounds(390,633,150,35);
l3.add(b2);

b1.addActionListener(this);
b2.addActionListener(this);

setSize(960,1080);
setUndecorated(true);
setLocation(500,0);
setVisible(true);
}

public void actionPerformed(ActionEvent ae){
    try{
        String amount = t1.getText();
        Date date = new Date();
        if(ae.getSource()==b1){
            if(t1.getText().equals("")){
                JOptionPane.showMessageDialog(null, "Please enter the Amount to you want to Deposit");
            }else{

```

```

        Conn c1 = new Conn();
        c1.s.executeUpdate("insert into bank values('"+pin+"', '"+date+"', 'Deposit', '"+amount+"')");
        JOptionPane.showMessageDialog(null, "Rs. "+amount+" Deposited Successfully");
        setVisible(false);
        new Transactions(pin).setVisible(true);
    }
}
}else if(ae.getSource()==b2){
    setVisible(false);
    new Transactions(pin).setVisible(true);
}
}
}catch(Exception e){
    e.printStackTrace();
}
}

public static void main(String[] args){
    new Deposit("").setVisible(true);
}
}

```

#### **#BALANCEENQUIRY.JAVA**

```
package ASimulatorSystem;
```

```

import java.awt.*;
import java.awt.event.*;
import java.sql.ResultSet;
import javax.swing.*;
import java.util.*;

```

```
class BalanceEnquiry extends JFrame implements ActionListener {
```

```

    JTextField t1, t2;
    JButton b1, b2, b3;
    JLabel l1, l2, l3;
    String pin;

```

```

    BalanceEnquiry(String pin) {
        this.pin = pin;
    }

```

```

        ImageIcon i1 = new ImageIcon(ClassLoader.getResource("ASimulatorSystem/icons/atm.jpg"));
        Image i2 = i1.getImage().getScaledInstance(1000, 1180, Image.SCALE_DEFAULT);
        ImageIcon i3 = new ImageIcon(i2);
        JLabel l3 = new JLabel(i3);
        l3.setBounds(0, 0, 960, 1080);
        add(l3);

```

```

        l1 = new JLabel();
        l1.setForeground(Color.WHITE);

```

```

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

b1 = new JButton("BACK");

setLayout(null);

l1.setBounds(190, 350, 400, 35);
l3.add(l1);

b1.setBounds(390, 633, 150, 35);
l3.add(b1);
int balance = 0;
try{
    Conn c1 = new Conn();
    ResultSet rs = c1.s.executeQuery("select * from bank where pin = '"+pin+"'");
    while (rs.next()) {

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

    }
}catch(Exception e){}

l1.setText("Your Current Account Balance is Rs "+balance);

b1.addActionListener(this);

setSize(960, 1080);
setUndecorated(true);
setLocation(500, 0);
setVisible(true);
}

public void actionPerformed(ActionEvent ae) {
    setVisible(false);
    new Transactions(pin).setVisible(true);
}

public static void main(String[] args) {
    new BalanceEnquiry("").setVisible(true);
}
}

```

#### **#WITHDRAW.JAVA**

```

package ASimulatorSystem;

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

```

```

import java.util.Date;
import java.sql.*;

public class Withdrawl extends JFrame implements ActionListener{

    JTextField t1,t2;
    JButton b1,b2,b3;
    JLabel l1,l2,l3,l4;
    String pin;
    Withdrawl(String pin){
        this.pin = pin;
        Imgelcon i1 = new Imgelcon(ClassLoader.getResource("ASimulatorSystem/icons/atm.jpg"));
        Image i2 = i1.getImage().getScaledInstance(1000, 1180, Image.SCALE_DEFAULT);
        Imgelcon i3 = new Imgelcon(i2);
        JLabel l3 = new JLabel(i3);
        l3.setBounds(0, 0, 960, 1080);
        add(l3);

        l1 = new JLabel("MAXIMUM WITHDRAWAL IS RS.10,000");
        l1.setForeground(Color.WHITE);
        l1.setFont(new Font("System", Font.BOLD, 16));

        l2 = new JLabel("PLEASE ENTER YOUR AMOUNT");
        l2.setForeground(Color.WHITE);
        l2.setFont(new Font("System", Font.BOLD, 16));

        t1 = new JTextField();
        t1.setFont(new Font("Raleway", Font.BOLD, 25));

        b1 = new JButton("WITHDRAW");
        b2 = new JButton("BACK");

        setLayout(null);

        l1.setBounds(190,350,400,20);
        l3.add(l1);

        l2.setBounds(190,400,400,20);
        l3.add(l2);

        t1.setBounds(190,450,330,30);
        l3.add(t1);

        b1.setBounds(390,588,150,35);
        l3.add(b1);

        b2.setBounds(390,633,150,35);
        l3.add(b2);
    }
}

```

```

b1.addActionListener(this);
b2.addActionListener(this);

setSize(960,1080);
setLocation(500,0);
setUndecorated(true);
setVisible(true);
}

public void actionPerformed(ActionEvent ae){
    try{
        String amount = t1.getText();
        Date date = new Date();
        if(ae.getSource()==b1){
            if(t1.getText().equals("")){
                JOptionPane.showMessageDialog(null, "Please enter the Amount to you want to Withdraw");
            }else{
                Conn c1 = new Conn();

                ResultSet rs = c1.s.executeQuery("select * from bank where pin = '"+pin+"'");
                int balance = 0;
                String query="select * from bank where pin=?";
                PreparedStatement pst=c1.c.prepareStatement(query);
                pst.setString(1, pin);
                ResultSet rst=pst.executeQuery();
                rst.next();
                int amt=Integer.parseInt(rst.getString(amount));
                int temp=amt;
                amt=amt-Integer.parseInt(amount);
                query="update bank set amount=? where amount=?";
                pst=c1.c.prepareStatement(query);
                pst.setString(1, amt+"");
                pst.setString(2, temp+"");
                pst.execute();

                while(rs.next()){
                    System.out.println("hello");

                    balance += Integer.parseInt(rs.getString("amount"));
                }
                if(balance < Integer.parseInt(amount)){
                    JOptionPane.showMessageDialog(null, "Insuffient Balance");
                    return;
                }
            }
        }
    }
}

```

```

        c1.s.executeUpdate("insert into bank values('"+pin+"', '"+date+"', 'Withdrawl', '"+amount+"')");
        JOptionPane.showMessageDialog(null, "Rs. "+amount+" Debited Successfully");

        setVisible(false);
        new Transactions(pin).setVisible(true);
    }
}
else if(ae.getSource()==b2){
    setVisible(false);
    new Transactions(pin).setVisible(true);
}
}
}
catch(Exception e){
    e.printStackTrace();
    System.out.println("error: "+e);
}

}

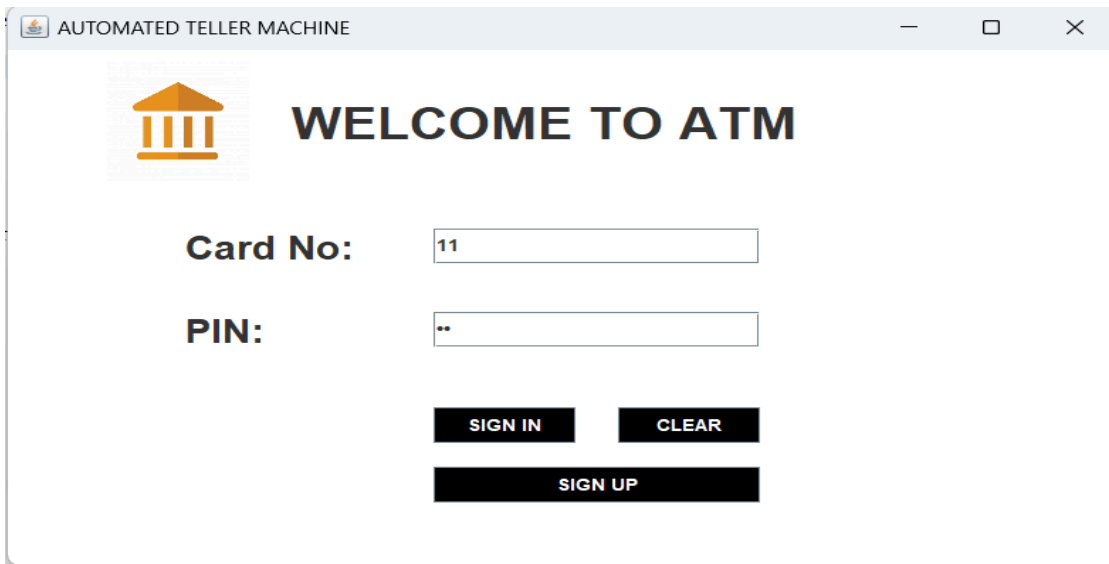
public static void main(String[] args){
    new Withdrawl("").setVisible(true);
}
}

```



## Snapshots

### Login page:-



A screenshot of an ATM login interface. The window title is "AUTOMATED TELLER MACHINE". It features a bank icon and the text "WELCOME TO ATM". There are two input fields: "Card No:" with the value "11" and "PIN:" with the value "\*\*". Below the fields are three buttons: "SIGN IN", "CLEAR", and "SIGN UP".

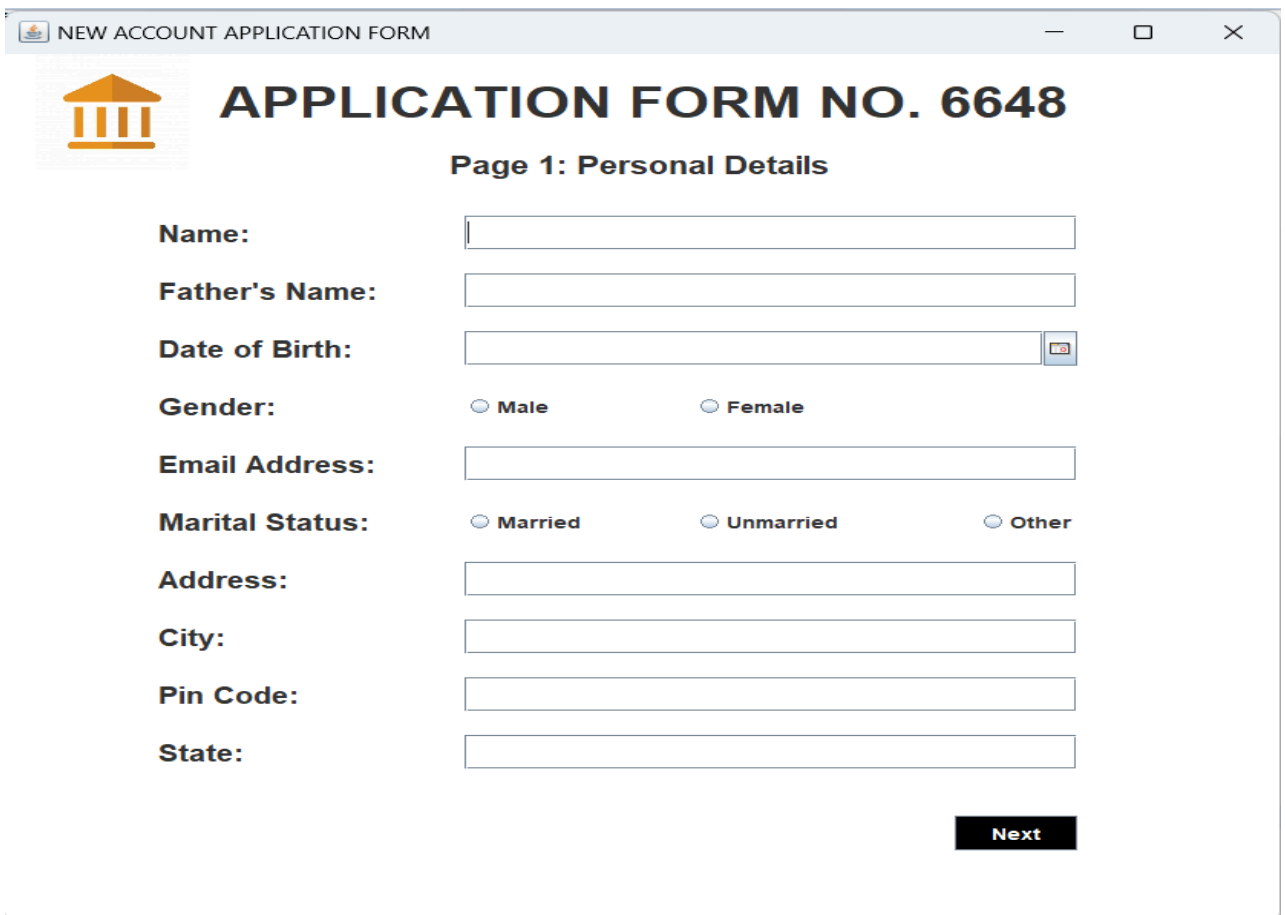
**Card No:** 11

**PIN:** \*\*

**SIGN IN** **CLEAR**

**SIGN UP**

### Signup page:-




A screenshot of a "NEW ACCOUNT APPLICATION FORM" window. The title bar says "NEW ACCOUNT APPLICATION FORM". It features a bank icon and the text "APPLICATION FORM NO. 6648". Below this is the section "Page 1: Personal Details". The form contains several input fields and radio buttons for personal information. A "Next" button is located at the bottom right.

**APPLICATION FORM NO. 6648**

**Page 1: Personal Details**

**Name:**

**Father's Name:**

**Date of Birth:**  

**Gender:** ☐ Male ☐ Female

**Email Address:**

**Marital Status:** ☐ Married ☐ Unmarried ☐ Other

**Address:**

**City:**

**Pin Code:**

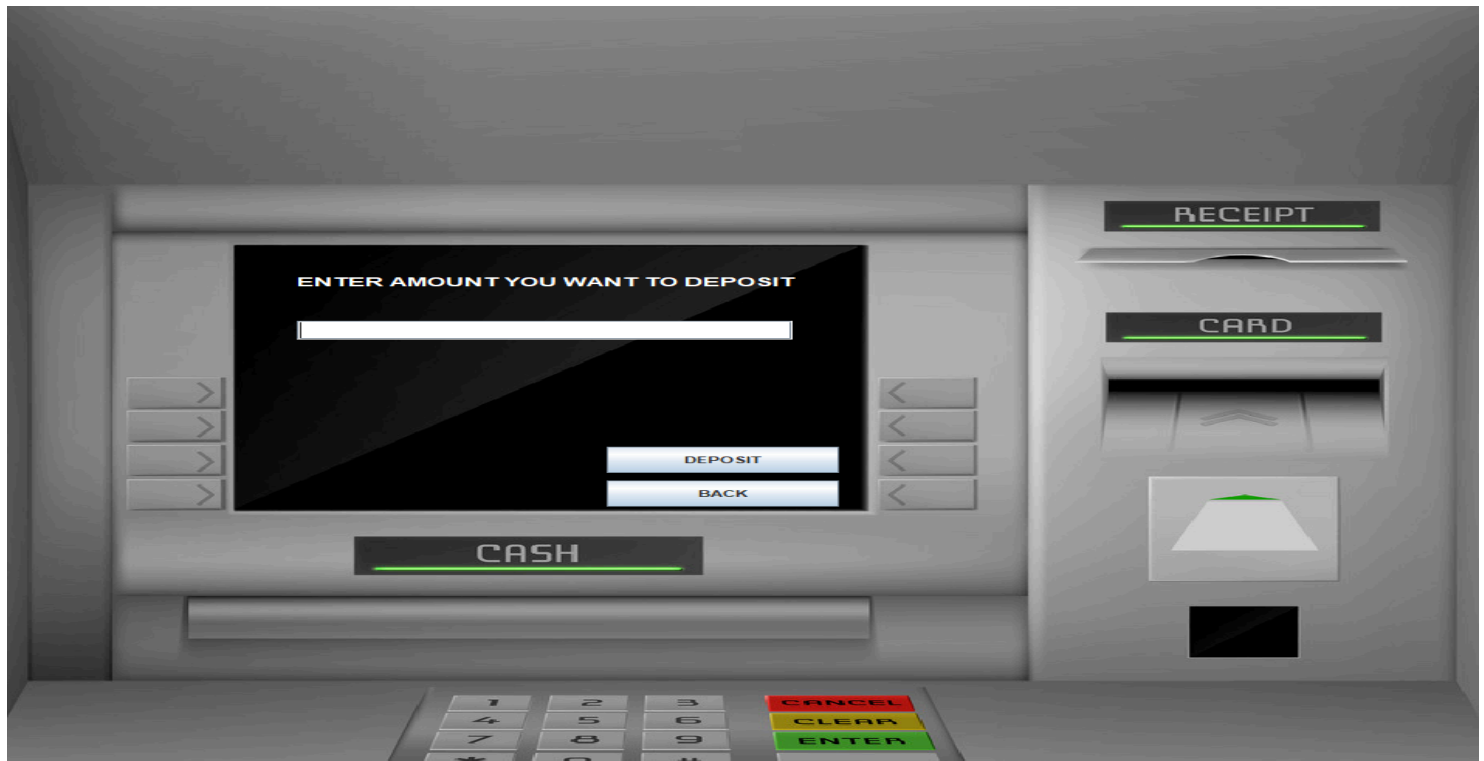
**State:**

**Next**


## Transaction Info:-




## Deposit Page:-



Deposit Details:-

NEW ACCOUNT APPLICATION FORM - PAGE 3

—□×



Form No:

Page 3: Account Details

Account Type:

☐ Saving Account

☐ Fixed Deposit Account

☐ Current Account

☐ Recurring Deposit Account

Card Number:

XXXX-XXXX-XXXX-4184

(Your 16-digit Card number)

It would appear on ATM Card/Cheque Book and Statements

PIN:

XXXX

(4-digit password)

Services Required:

☐ ATM CARD

☐ Internet Banking

☐ Mobile Banking

☐ EMAIL Alerts

☐ Cheque Book

☐ E-Statement

☒ I hereby declares that the above entered details correct to th best of my knowledge.

Submit

Cancel

# **Limitation**

## **☐ Technology Compatibility:**

- Compatibility challenges between Java and MySQL versions may arise, impacting seamless integration and system performance

## **☐ Skill Set Availability:**

- Limited availability of skilled Java and MySQL developers may affect the speed and quality of project implementation.

## **☐ Database Scalability:**

- Managing scalability in a MySQL database might pose challenges as the system grows, potentially impacting performance

## **☐ Security Concerns:**

- Ensuring robust security measures in a Java and MySQL-based system is crucial, and any vulnerabilities may pose a threat to customer data.

# Bibliography

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