

# **IDENTITY CARD GENERATOR FOR FRANCIS XAVIER ENGINEERING COLLEGE**

## **Abstract :**

The scope of this project is to generate identity card for Francis Xavier Engineering college . In the module 1 it asks the user to enter the details of the student and upload his/her image as well .Once the details are entered and the save button is clicked it will take us to the next Module. The details of the students will be displayed in the respective labels of the Module 2. And also it is exactly the same as the Identity cards of the Francis Xavier Engineering college.

## **Software used :**

Language : Core Java.

IDE : Visual Studio Code.

DataBase : MySql.

Server : Xampp Server.

## **JAVA CODE :**

### **MODULE 1:**

```
import java.awt.Color;
import java.awt.Image;
import java.awt.Font;
import java.awt.event.*;
import java.sql.Statement;
import java.io.File;
import java.sql.Connection;
```

```
import java.sql.DriverManager;

import javax.swing.ImageIcon;

import javax.swing.JButton;

import javax.swing.JFileChooser;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JTextField;

import javax.swing.filechooser.FileNameExtensionFilter;

public class Id implements ActionListener

{

    public JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12,l13,l14;

    public JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9,t10;

    public JButton b1,b2,b3,b4;

    JFrame f;

    String path;

    public void Idcard()

    {

        f = new JFrame("Details");

        f.getContentPane().setBackground(Color.cyan);

        Font f1 = new Font("Verdana",Font.BOLD,10);

        Font f2 = new Font("Verdana",Font.PLAIN,20);

        l1 = new JLabel("Student name : ");

        l2 = new JLabel("Reg No :");

        l3 = new JLabel("Valid upto :");
```

```
l4 = new JLabel("Departement :");
l5 = new JLabel("Blood group :");
l6 = new JLabel("Date of birth      :");
l7 = new JLabel("Phone no :");
l8 = new JLabel("Hos/DayScholar :");
l9 = new JLabel("Father's name  :");
l10 = new JLabel("Address      :");
l11 = new JLabel("Upload image :");
lp = new JLabel();
l12 = new JLabel();
l12.setIcon(new ImageIcon("D:\\idcard\\scad2.png"));
l13 = new JLabel("FXEC ID CARD");
l14 = new JLabel("GENERATOR");
l1.setBounds(50,50,100,30);
l2.setBounds(50,120,100,30);
l3.setBounds(50,190,100,30);
l4.setBounds(50,260,100,30);
l5.setBounds(50,330,100,30);
l6.setBounds(350,50,100,30);
l7.setBounds(350,120,100,30);
l8.setBounds(350,190,100,30);
l9.setBounds(350,260,100,30);
l10.setBounds(350,330,100,30);
l11.setBounds(50,400,100,30);
```

```
l12.setBounds(700,150,200,200);  
lp.setBounds(150,200,120,140);  
l13.setBounds(740,350,400,50);  
l14.setBounds(750,390,400,50);  
l13.setFont(f1);  
l13.setFont(f2);  
l13.setForeground(Color.blue);  
l14.setFont(f1);  
l14.setFont(f2);  
l14.setForeground(Color.blue);  
t1 = new JTextField();  
t2 = new JTextField();  
t3 = new JTextField();  
t4 = new JTextField();  
t5 = new JTextField();  
t6 = new JTextField();  
t7 = new JTextField();  
t8 = new JTextField();  
t9 = new JTextField();  
t10 = new JTextField();  
t1.setBounds(200,50,100,30);  
t2.setBounds(200,120,100,30);  
t3.setBounds(200,190,100,30);  
t4.setBounds(200,260,100,30);
```

```
t5.setBounds(200,330,100,30);
t6.setBounds(500,50,100,30);
t7.setBounds(500,120,100,30);
t8.setBounds(500,190,100,30);
t9.setBounds(500,260,100,30);
t10.setBounds(500,330,100,30);

b1 = new JButton("Save");
b2 = new JButton("Clear");
b3 = new JButton("Upload");
b4 = new JButton("empty");

b1.setBounds(200,520,100,30); //save
b2.setBounds(500,520,100,30); //cancel
b3.setBounds(200,400,100,30); //upload
b4.setBounds(300,100,100,30);

b3.setBackground(Color.white);

b1.addActionListener(this);

f.add(l1);      f.add(l2);
f.add(l3);      f.add(l4);
f.add(l5);      f.add(l6);
f.add(l7);      f.add(l8);
f.add(l9);      f.add(l10);
f.add(l11);     f.add(l12);
f.add(l13);     f.add(l14);
f.add(t1);      f.add(t2);
```

```
f.add(t3);      f.add(t4);
f.add(t5);      f.add(t6);
f.add(t7);      f.add(t8);
f.add(t9);      f.add(t10);
f.add(b1);      f.add(b2);
f.add(b3);      f.add(b4);

f.setVisible(true);
f.setLayout(null);
f.setSize(1100,650);
f.setLocationRelativeTo(null);
f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
b3.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent e)
    {
        JFileChooser file = new JFileChooser();

        file.setCurrentDirectory(new
File(System.getProperty("user.home")));

        FileNameExtensionFilter filter = new
FileNameExtensionFilter("*.Images", "jpg", "gif", "png");

        file.addChoosableFileFilter(filter);

        int result = file.showSaveDialog(null);

        if(result == JFileChooser.APPROVE_OPTION)
        {
            File selectedFile = file.getSelectedFile();
```

```

        path = selectedFile.getAbsolutePath();

        lp.setIcon(ResizeImage(path));
    }

    else if(result == JFileChooser.CANCEL_OPTION)
    {
        System.out.println("No File Select");
    }
}

});

}

public ImageIcon ResizeImage(String ImagePath)
{
    ImageIcon MyImage = new ImageIcon(ImagePath);

    Image img = MyImage.getImage();

    Image newImg = img.getScaledInstance(lp.getWidth(),lp.getHeight(),
Image.SCALE_SMOOTH);

    ImageIcon image = new ImageIcon(newImg);

    return image;
}

public void actionPerformed(ActionEvent e)
{
    Object s = e.getSource();

    if(s == b1)
    {
        Data.t1 = t1.getText();
    }
}

```

```
System.out.println(Data.t1);  
Data.t2 = t2.getText();  
System.out.println(Data.t2);  
Data.t3 = t3.getText();  
System.out.println(Data.t3);  
Data.t4 = t4.getText();  
System.out.println(Data.t4);  
Data.t5 = t5.getText();  
System.out.println(Data.t5);  
Data.t6 = t6.getText();  
System.out.println(Data.t6);  
Data.t7 = t7.getText();  
System.out.println(Data.t7);  
Data.t8 = t8.getText();  
System.out.println(Data.t8);  
Data.t9 = t9.getText();  
System.out.println(Data.t9);  
Data.t10 = t10.getText();  
System.out.println(Data.t10);  
Data.lp = lp.getIcon();  
System.out.println(Data.lp);  
new Displayid().Idshow();  
f.dispose();  
String studentname = t1.getText();
```



```
String regno = t2.getText();

String valid = t3.getText();

String dept = t4.getText();

String bg = t5.getText();

String dob = t6.getText();

String phone = t7.getText();

String hosorday = t8.getText();

String father = t9.getText();

String address = t10.getText();

String image = path;

image = image.replace("\\", "\\\\");

try
{
    Class.forName("com.mysql.jdbc.Driver");

    System.out.println("Driver found");

    Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/id","root","");

    System.out.println("Connected");

    Statement st = con.createStatement();

    st.executeUpdate("insert into idtable
values('"+studentname+"','"+regno+"','"+valid+"','"+dept+"','"+bg+"','"+dob+"','
"+phone+"','"+hosorday+"','"+father+"','"+address+"','"+image+"')");

    System.out.println("Added");

}

catch(Exception ae)
```

```

        {
            System.out.println("Driver not found");
        }
    }
}

public static void main(String[] args)
{
    new Id().Idcard();

}
}

```

## **MODULE 2 :**

```
import javax.swing.ImageIcon;
```

```
import javax.swing.JFrame;
```

```
import javax.swing.JLabel;
```

```
import javax.swing.JPanel;
```

```
import java.awt.*;
```

```
public class Displayid
```

```
{
```

```
    public void Idshow()
```

```
    {
```

```
        JLabel
```

```
lp,l0,l01,l02,l03,l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12,l13,l14,l15,l16,l17,l18,l19,l20,l21,l22,l23,l24,l25,l26,l27;
```

```

JPanel p = new JPanel(); //Photo

JPanel p2 = new JPanel();

JPanel p3 = new JPanel(); //Pink

Font f1 = new Font("Verdana",Font.BOLD,25);

Font f2 = new Font("Serif",Font.PLAIN,5);

Font f3 = new Font("Serif",Font.BOLD,15);

Font f4 = new Font("Serif",Font.PLAIN,5);

Font f5 = new Font("Serif",Font.BOLD,15);

p.setBounds(240,70,350,550);

p.setBackground(Color.white);

p2.setBounds(790,70,350,550);

p2.setBackground(Color.white);

JFrame f = new JFrame("ID CARD ");

f.getContentPane().setBackground(Color.LIGHT_GRAY);

l0 = new JLabel(" ISO 9001:2015 Certified|DST-FIST Supported
Institution");

l01 = new JLabel(" Recognized under Section 2(f) & 12(B) of the UGC
Act. 1956");

l02 = new JLabel(" Vannarpettai,Tirunelveli-627003,TamilNadu");

l03 = new JLabel("Principal");

// l04 = new JLabel("vel");

l1 = new JLabel(Data.t1);

l2 = new JLabel(Data.t2);

l3 = new JLabel("Valid upto : " + Data.t3);

l4 = new JLabel("Departement : "+Data.t4);

```

```

l5 = new JLabel("Blood group           :   "+Data.t5);
l6 = new JLabel("Date of birth         :   "+Data.t6);
l7 = new JLabel("Phone no              :   "+Data.t7 );
l8 = new JLabel("Hostler/DayScholar     :   "+Data.t8);
l9 = new JLabel("Father's name         :   "+Data.t9);
l10 = new JLabel("Address                :   "+Data.t10);
l11 = new JLabel("Instruction :");
l12 = new JLabel("1.Possesion of identity card is mandatory In Fxec
campus.");
l13 = new JLabel("2.In case this card is lost/found kindly Inform/return to
Fxec");
l14 = new JLabel("Central Library");
l15 = new JLabel("3.Do not bend this smart card");
l16 = new JLabel("Holders Signature");
l17 = new JLabel("_____");
l18 = new JLabel("FRANCIS XAVIER ENGINEERING COLLEGE");
l19 = new JLabel("103/G2,Bypass Road,vannarpet");
l20 = new JLabel("Tirunelveli 627003,Tamilnadu,India");
l21 = new JLabel("Phone : +91 462 2502283 , 2502157");
l22 = new JLabel("Fax : +91 462 2501007");
l23 = new JLabel("Email : principal@Francisxavier.ac.in");
l24 = new JLabel("www.francisxavier.ac.in");
l25 = new JLabel();
l25.setIcon(new ImageIcon("D:\\idcard\\fxlogo.png"));
l26 = new JLabel();

```

```
l26.setIcon(new ImageIcon("D:\\idcard\\becsesame.jpg"));
l27 = new JLabel();
l27.setIcon(new ImageIcon("D:\\idcard\\pink box 2.jpg"));
lp = new JLabel(Data.lp);
lp.setBounds(120,200,120,140);//photo
l0.setBounds(15,100,500,30);
l01.setBounds(5,120,500,30);
l02.setBounds(40,140,500,30);
l03.setBounds(270,500,100,30);
l1.setBounds(150,360,500,30);
l2.setBounds(150,390,500,30);
l3.setBounds(110,420,500,30);
l4.setBounds(10,20,500,30);
l5.setBounds(10,45,500,30);
l6.setBounds(10,70,500,30);
l7.setBounds(10,95,500,30);
l8.setBounds(10,120,500,30);
l9.setBounds(10,145,500,30);
l10.setBounds(10,170,500,30);
l11.setBounds(10,200,100,30);
l12.setBounds(10,220,500,50);
l13.setBounds(10,245,500,50);
l14.setBounds(10,270,500,50);
l15.setBounds(10,295,500,50);
```

```
116.setBounds(230,325,120,30);
117.setBounds(0,350,500,30);
118.setBounds(15,375,500,40);
119.setBounds(70,400,500,40);
120.setBounds(60,420,500,40);
121.setBounds(60,440,500,40);
122.setBounds(100,460,500,40);
123.setBounds(60,480,500,40);
124.setBounds(100,500,500,40);
125.setBounds(-10,-5,400,100);
126.setBounds(315,200,150,200);
127.setBounds(-80,140,500,600);
11.setForeground(Color.red);
117.setFont(f1);
118.setFont(f2);
118.setFont(f3);
118.setForeground(Color.red);
119.setFont(f4);
120.setFont(f4);
121.setFont(f4);
122.setFont(f4);
123.setFont(f4);
124.setFont(f4);
119.setFont(f5);
```

```
l20.setFont(f5);  
l21.setFont(f5);  
l22.setFont(f5);  
l23.setFont(f5);  
l24.setFont(f5);  
  
f.add(p); f.add(lp);  
f.add(p2); f.add(p3);  
p.add(lp); p.add(p3);  
p.add(l0); p.add(l01);  
p.add(l02);.add(l03);  
p.add(l1); p.add(l2);  
p.add(l3); p2.add(l4);  
p2.add(l5); p2.add(l6);  
p2.add(l7); p2.add(l8);  
p2.add(l9); p2.add(l10);  
p2.add(l11); p2.add(l12);  
p2.add(l13);.add(l14);  
p2.add(l15); p2.add(l16);  
p2.add(l17); p2.add(l18);  
p2.add(l19);.add(l20);  
p2.add(l21); p2.add(l22);  
p2.add(l23); p2.add(l24);  
p.add(l25); p.add(l26);  
p.add(l27);
```

```
    p.setLayout(null);  
    p.setVisible(true);  
    p2.setLayout(null);  
    p2.setVisible(true);  
    p3.setLayout(null);  
    p3.setVisible(true);  
    f.setLayout(null);  
    f.setSize(1580,1080);  
    f.setVisible(true);  
    f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);  
}  
public static void main(String[] args)  
{  
    new Displayid().Idshow();  
}  
}
```



## Module 1 :

Details

Student name :  Date of birth :

Reg No :  Phone no :

Valid upto :  Hos./DayScholar :

Departement :  Father's name :

Blood group :  Address :


Upload image :

PS D:\vidcard> java Id

## MODULE 2 :

ID CARD

**FRANCIS XAVIER ENGINEERING COLLEGE**  
AN AUTONOMOUS INSTITUTION  
Approved by AICTE & Affiliated to Anna University  
ISO 9001:2015 Certified/DST-FIST Supported Institution  
Recognized under Section 2(f) & 12(B) of the UGC Act. 1956  
Vannarpettai, Tirunelveli-627003, TamilNadu



**BE-CSE**

**Saran**  
20120  
Valid upto : 2012393  
Principal

Department : CSE  
Blood group : B  
Date of birth : 2122002  
Phone no : 342632  
Hostier./DayScholar : Dayscholar  
Father's name : Saransaran  
Address : 16 PSR street

Instruction :  
1.Possession of identity card is mandatory in Fxec campus.  
2.In case this card is lost/found kindly Inform/return to Fxec Central Library  
3.Do not bend this smart card

Holders Signature

**FRANCIS XAVIER ENGINEERING COLLEGE**  
103/G2, Bypass Road, vannarpet  
Tirunelveli 627003, Tamilnadu, India  
Phone : +91 462 2502283 , 2502157  
Fax : +91 462 2501007  
Email : principal@Francisxavier.ac.in  
www.francisxavier.ac.in

## Conclusion :

The Id card generator has successfully generated the details of the student that user provided. And the entered details also be stored in the database successfully . Hope in future it will generate the id card of both the staffs and students id card of all the college.