

JAVA MINI PROJECT	
TOPIC : <u>STUDENT ADMISSION</u>	
TEAM 1	
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AIM:

To design and implement a project on school student admission using java applet program and java database connectivity program.

PROJECT:

This project is done to get the student admission digitally and store their data in our database.

MODULE DESCRIPTION:

FRONT END:

Front end of this project is done using java applet program.From this we can get all details of the students(details like field,choice etc.,).

BACK END:

We have to store the data of the student in the database.So java database connectivity is used with mysql to solve this.

The students information are directly store into the mysql databases.

CODING:

```
import java.awt.*;
import java.applet.*;
import java.awt.event.*;
import java.sql.*;
import java.util.logging.Level;
import java.util.logging.Logger;
/*
<applet code= "NewApplet.class" width="1800" height="1800"></applet>
*/
public class NewApplet extends Applet
```

implements ActionListener

```
{
    Label schoolname = new Label("GOVERNMENT SCHOOL OF TECHNOLOGY - ELYSIUM PLANITIA, MARS");
    Label firstname,lastname, class_, Academic_year, to1, to2, to3, DOB, Aadhar, phone, Religion, Caste, Gender,
        State, Nation, MotherTongue, Address, PinCode, Blood, father, f_occupation, mother, m_occupation,
    Admission_no, stay, id_mark,
        school, grade;
    Font f = new Font("Elephant",Font.PLAIN, 20);
    Font ad = new Font("Elephant",Font.BOLD, 30);
    TextField FirstName, LastName, From, To, Date, Month, Year, aadhar, state, nation, mothertongue,
        blood, pincode, Father, F_Occupation, Mother, M_Occupation, Id_mark, School, Grade, Phone;
    TextField address;
    Button submit, clear;
    Choice Class_, gender, caste, religion, Stay;
    Color Grey = new Color(125, 200, 245);
    String msg;
    Frame frame;
    public int d_admission=0;
```

```
public void init()
{
    schoolname.setFont(ad);
    frame = new StatusFrame("Form Status");
    frame.setSize(550, 100);
    Admission_no = new Label("Admission number : "+(++d_admission));
    Admission_no.setFont(ad);
    Admission_no.setForeground(Color.RED);
    Class_ = new Choice();
    religion = new Choice();
    gender = new Choice();
    caste = new Choice();
    Stay = new Choice();

    firstname = new Label("First Name (in Caps)");
    FirstName = new TextField(20);
    lastname = new Label("Last Name");
```

LastName = new TextField(20);

father = new Label("Father's Name ");

Father = new TextField();

f_occupation = new Label("Father's Occupation");

F_Occupation = new TextField();

mother = new Label("Mother's Name ");

Mother = new TextField();

m_occupation = new Label("Mother's Occupation");

M_Occupation = new TextField();

class_ = new Label("Admission Sought for the Class");

CLASS();

Academic_year = new Label("Academic Year");

From = new TextField(4);

to1 = new Label("-");

to2 = new Label("-");

to3 = new Label("-");

To = new TextField(2);

DOB = new Label("Date of Birth (dd-mm-yyyy)");

Date = new TextField(2);

Month = new TextField();

Year = new TextField();

Aadhar = new Label("Aadhar Number");

aadhar = new TextField(12);

phone = new Label("Place of Birth");

Phone = new TextField();

State = new Label("State");

state = new TextField();

```
Nation = new Label("Nationality");  
nation = new TextField();
```

```
Religion = new Label("Religion");
```

```
Gender = new Label("Gender");
```

```
Caste = new Label("Caste");
```

```
MotherTongue = new Label("Mother Tongue");  
mothertongue = new TextField();
```

```
Blood = new Label("Blood Group");  
blood = new TextField();
```

```
Address = new Label("Residential Address");  
address = new TextField();
```

```
stay = new Label("Hosteller / DayScholar");
```

```
PinCode = new Label("Pin Code");  
pincode = new TextField();
```

```
id_mark = new Label("Identification Mark");  
Id_mark = new TextField();
```

```
school = new Label("Last School Studied");  
School = new TextField();
```

```
grade = new Label("Grade obtained in last school");  
Grade = new TextField();
```

```
phone = new Label("Phone Number");  
Phone = new TextField();
```

```
submit = new Button("Submit");submit.setBackground(Color.green);
```

```

clear = new Button("Clear");clear.setBackground(Color.red);

setFont(f);
setBackground(Grey);
Bounds();
Add();
Add_ActionListener();
}
public void paint(Graphics g)
{}
public void actionPerformed(ActionEvent ae)
{
    String d_firstname=FirstName.getText(), d_lastname=LastName.getText(),
        d_father = Father.getText(), d_fatheroccupation = F_Occupation.getText(),
        d_mother = Mother.getText(), d_motheroccupation = M_Occupation.getText(),
        d_class = Class_.getItem(Class_.getSelectedIndex()), d_academicyear = From.getText()+"-"+To.getText(),
        d_dob = Date.getText()+"/"+Month.getText()+"/"+Year.getText(),d_aadhar=aadhar.getText(),
        d_gender = gender.getItem(gender.getSelectedIndex()), d_blood = blood.getText(),
        d_religion = religion.getItem(religion.getSelectedIndex()), d_caste =
caste.getItem(caste.getSelectedIndex()),
        d_nationality = nation.getText(),d_state = state.getText(),
        d_address = address.getText(), d_pincode = pincode.getText(),
        d_phone = Phone.getText(), d_stay = Stay.getItem(Stay.getSelectedIndex()), d_mothertongue =
mothertongue.getText(),
        d_idmark = Id_mark.getText(), d_school = School.getText(), d_grade = Grade.getText();

    String message = ae.getActionCommand();

    database(message,++d_admission, d_firstname, d_lastname, d_father, d_fatheroccupation, d_mother,
d_motheroccupation,
        d_class, d_academicyear, d_dob, d_aadhar, d_gender, d_blood, d_religion, d_caste,
        d_nationality, d_state, d_address, d_pincode, d_phone, d_stay, d_mothertongue,
        d_idmark, d_school, d_grade);
    repaint();
}
public void CLASS()
{

```

```
Class_.add("L.K.G");  
Class_.add("U.K.G");  
Class_.add("I");  
Class_.add("II");  
Class_.add("III");  
Class_.add("IV");  
Class_.add("V");  
Class_.add("VI");  
Class_.add("VII");  
Class_.add("VIII");  
Class_.add("IX");  
Class_.add("X");  
Class_.add("XI");  
Class_.add("XII");
```

```
gender.add("Female");  
gender.add("Male");  
gender.add("Others");
```

```
caste.add("None");  
caste.add("ST");  
caste.add("SC");  
caste.add("MBC");  
caste.add("BC");  
caste.add("OC");  
caste.add("Others");
```

```
religion.add("None");  
religion.add("Hindu");  
religion.add("Muslim");  
religion.add("Cristian");  
religion.add("Others");
```

```
Stay.add("Hosteller");  
Stay.add("DayScholar");
```

```
}
```

```

public void Add()
{
    add(schoolname);
    add(Admission_no);
    add(firstname);add(FirstName);           add(lastname);add(LastName);
    add(father);add(Father);                 add(f_occupation);add(F_Occupation);
    add(mother);add(Mother);                 add(m_occupation);add(M_Occupation);
    add(class_);add(Class_);                 add(Academic_year);add(From);add(to1);add(To);
    add(DOB);add(Date);add(to2);add(Month);add(to3);add(Year);   add(Aadhar);add(aadhar);
    add(Gender);add(gender);                 add(Blood);add(blood);
    add(Religion);add(religion);             add(Caste);add(caste);
    add(Nation);add(nation);                 add(State);add(state);
    add(Address);add(address);               add(PinCode);add(pincod);
                                           add(phone);add(Phone);
                                           add(stay);add(Stay);
    add(MotherTongue);add(mothertongue);     add(id_mark);add(Id_mark);
    add(school);add(School);                 add(grade);add(Grade);

    add(submit);                             add(clear);

    setLayout(null);
}

```

```

public void Add_ActionListener()

```

```

{
    FirstName.addActionListener(this);LastName.addActionListener(this);
    Father.addActionListener(this);F_Occupation.addActionListener(this);
    Mother.addActionListener(this);M_Occupation.addActionListener(this);
    From.addActionListener(this);To.addActionListener(this);

```

```

Date.addActionListener(this);Month.addActionListener(this);Year.addActionListener(this);aadhar.addActionListene
r(this);

```

```

    blood.addActionListener(this);
    nation.addActionListener(this);state.addActionListener(this);
    pincod.addActionListener(this);From.addActionListener(this);
    Phone.addActionListener(this);
    mothertongue.addActionListener(this);Id_mark.addActionListener(this);

```



```

submit.addActionListener(this);
clear.addActionListener(this);
}
public void Bounds()
{
    schoolname.setBounds(350, 20, 1100, 30);
    Admission_no.setBounds(100, 50, 400, 30);

    firstname.setBounds(100, 100, 300, 30);FirstName.setBounds(525, 100, 300, 30);
    lastname.setBounds(1000, 100, 200, 30);LastName.setBounds(1275, 100, 100, 30);

    father.setBounds(100, 150, 300, 30);Father.setBounds(525, 150, 300, 30);
    f_occupation.setBounds(1000, 150, 200, 30);F_Occupation.setBounds(1275, 150, 300, 30);

    mother.setBounds(100, 200, 300, 30);Mother.setBounds(525, 200, 300, 30);
    m_occupation.setBounds(1000, 200, 200, 30);M_Occupation.setBounds(1275, 200, 300, 30);

    class_.setBounds(100, 250, 300, 30);Class_.setBounds(525, 250, 100, 30);
    Academic_year.setBounds(1000, 250, 250, 30); From.setBounds(1275, 250, 65, 30);
    to1.setBounds(1350, 250, 10, 30);
        To.setBounds(1365, 250, 35, 30);

    DOB.setBounds(100, 300, 300, 30); Date.setBounds(525, 300, 45, 30); to2.setBounds(575, 300, 10,
30);
        Month.setBounds(590, 300, 45, 30); to3.setBounds(640, 300, 10, 30);
        Year.setBounds(655, 300, 70, 30);
    Aadhar.setBounds(1000, 300, 250, 30);aadhar.setBounds(1275, 300, 300, 30);

    Gender.setBounds(100, 350, 200, 30);gender.setBounds(525, 350, 200, 30);
    Blood.setBounds(1000, 350, 200, 30);blood.setBounds(1275, 350, 200, 30);

    Religion.setBounds(100, 400, 200, 30);religion.setBounds(525, 400, 200, 30);
    Caste.setBounds(1000, 400, 200, 30);caste.setBounds(1275, 400, 200, 30);

    Nation.setBounds(100, 450, 200, 30);nation.setBounds(525, 450, 200, 30);
    State.setBounds(1000, 450, 200, 30);state.setBounds(1275, 450, 200, 30);

```

```

Address.setBounds(100, 500, 300, 30);address.setBounds(525, 500, 400, 130);
PinCode.setBounds(1000, 500, 200, 30);pincode.setBounds(1275, 500, 200, 30);
phone.setBounds(1000, 550, 200, 30);Phone.setBounds(1275, 550, 200, 30);
stay.setBounds(1000, 600, 200, 30);Stay.setBounds(1275, 600, 200, 30);

MotherTongue.setBounds(100, 650, 200, 30);mothertongue.setBounds(525, 650, 200, 30);
id_mark.setBounds(1000, 650, 200, 30);Id_mark.setBounds(1275, 650, 300, 30);

school.setBounds(100, 700, 300, 30);School.setBounds(525, 700, 400, 30);
grade.setBounds(1000, 700, 270, 30);Grade.setBounds(1275, 700, 300, 30);

submit.setBounds(800, 800, 150, 50);clear.setBounds(1000, 800, 150, 50);

}
public void clear(){
    FirstName.setText("");
    LastName.setText("");
    Father.setText("");
    F_Occupation.setText("");
    M_Occupation.setText("");
    Mother.setText("");
    Date.setText("");
    Month.setText("");
    Year.setText("");
    From.setText("");
    To.setText("");
    aadhar.setText("");
    School.setText("");
    blood.setText("");
    state.setText("");
    nation.setText("");
    Id_mark.setText("");
    mothertongue.setText("");
    pincode.setText("");
    Phone.setText("");
    Grade.setText("");
    address.setText("");

```

```

    }

    public void database(String message,int d_admission, String d_firstname,String d_lastname,String
d_father,String d_fatheroccupation,String d_mother,String d_motheroccupation,
        String d_class,String d_academicyear,String d_dob,String d_aadhar,String d_gender,String
d_blood,String d_religion,String d_caste,
        String d_nationality,String d_state,String d_address,String d_pincode,String d_phone,String
d_stay,String d_mothertongue,
        String d_idmark,String d_school,String d_grade){
    if(message == "Submit"){
        //FirstName.setText("vishnu");
        String url="jdbc:mysql://localhost:3306/student";
        String uname="root";
        String pass="PASSWORDcsuo";
        try {
            Class.forName("com.mysql.jdbc.Driver");
        } catch (ClassNotFoundException ex) {
            Logger.getLogger(NewApplet.class.getName()).log(Level.SEVERE, null, ex);
        }
        String query = "insert into student values(?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?)";

        try (Connection con = DriverManager.getConnection(url, uname, pass)) {
            PreparedStatement st = con.prepareStatement(query);

            st.setInt(1, (d_admission-1));
            st.setString(2, d_firstname.toUpperCase().trim());
            st.setString(3, d_lastname.toUpperCase().trim());
            st.setString(4, d_father.toUpperCase().trim());
            st.setString(5, d_fatheroccupation.toUpperCase().trim());
            st.setString(6, d_mother.toUpperCase().trim());
            st.setString(7, d_motheroccupation.toUpperCase().trim());
            st.setString(8, d_class);
            st.setString(9, d_academicyear.toUpperCase().trim());
            st.setString(10, d_dob.toUpperCase().trim());
            st.setString(11, d_aadhar.toUpperCase().trim());
            st.setString(12, d_gender);
            st.setString(13, d_blood.toUpperCase().trim());
            st.setString(14, d_religion);

```

```

        st.setString(15, d_caste);
        st.setString(16, d_nationality.toUpperCase().trim());
        st.setString(17, d_state.toUpperCase().trim());
        st.setString(18, d_address.toUpperCase().trim());
        st.setString(19, d_pincode.toUpperCase().trim());
        st.setString(20, d_phone.toUpperCase().trim());
        st.setString(21, d_stay);
        st.setString(22, d_mothertongue.toUpperCase().trim());
        st.setString(23, d_idmark.toUpperCase().trim());
        st.setString(24, d_school.toUpperCase().trim());
        st.setString(25, d_grade.toUpperCase().trim());
        int count = st.executeUpdate();

        st.close();
    }catch(Exception e){System.out.println(e);}
    Admission_no.setText("Admission number : "+(d_admission));
    clear();
    frame.setVisible(true);
}
else if(message == "Clear")
{
    clear();
}
}
public void stop(){
    frame.setVisible(false);
}
}

```

```

class StatusFrame extends Frame{
    Font font = new Font("Elephant", Font.BOLD, 30);

```

```

    StatusFrame(String title){
        super(title);
        MyWindowAdapter adapter = new MyWindowAdapter(this);
        addWindowListener(adapter);
        setFont(font);
    }
}

```

```

        setForeground(Color.green);
        setBackground(Color.black);
    }

    public void paint(Graphics g){
        g.drawString("Form submitted Successfully", 10, 62);
    }
}

class MyWindowAdapter extends WindowAdapter{
    StatusFrame statusframe;
    public MyWindowAdapter(StatusFrame statusframe){
        this.statusframe = statusframe;
    }
    public void windowClosing(WindowEvent we){
        statusframe.setVisible(false);
    }
}

```

OUTPUT SNAPCHATS:

GOVERNMENT SCHOOL OF TECHNOLOGY - ELYSIUM PLANITIA, MARS

Admission number : 1

First Name (in Caps)	<input type="text" value="NAME"/>	Last Name	<input type="text" value="ASTNAME"/>	
Father's Name	<input type="text" value="FATHER NAME"/>	Father's Occupation	<input type="text" value="OCCUPATION"/>	
Mother's Name	<input type="text" value="MOTHER NAME"/>	Mother's Occupation	<input type="text" value="OCCUPATION"/>	
Admission Sought for the Class	<input type="text" value="L.K.G"/>	Academic Year	<input type="text" value="2021"/> - <input type="text" value="22"/>	
Date of Birth (dd-mm-yyyy)	<input type="text" value="01"/> - <input type="text" value="01"/> - <input type="text" value="2021"/>	Aadhar Number	<input type="text" value="123456781234"/>	
Gender	<input type="text" value="Female"/>	Blood Group	<input type="text" value="A+"/>	
Religion	<input type="text" value="None"/>	Caste	<input type="text" value="None"/>	
Nationality	<input type="text" value="MARTIAN"/>	State	<input type="text" value="STATE"/>	
Residential Address	<input type="text" value="ADDRESS"/>		Pin Code	<input type="text" value="654321"/>
			Phone Number	<input type="text" value="9876543210"/>
Mother Tongue	<input type="text" value="TAMIL"/>	Hosteller / DayScholar	<input type="text" value="Hosteller"/>	
Last School Studied	<input type="text" value="GOVERNMENT COLLEGE OF EDUCATION"/>		Identification Mark	<input type="text" value="IDENTIFICATION MARK"/>
			Grade obtained in last school	<input type="text" value="D"/>

Applet started

