

PROGRAM CODE

Main.java

```
package main;

public class Main{

    public static void main(String args[]){

        FeeReport fReport = new FeeReport();

    }

}
```

Accountant.java

```
package main;
import java.sql.*;

public class Accountant{

    private String url = "jdbc:oracle:thin:@localhost:1521:XE";
    private String rUserName = "system";
    private String rUserPass = "sai";
    private String password;

    String[][] data = new String[10][5];

    Accountant(){}

    String getPassword(String username){
        try{
            Class.forName("oracle.jdbc.OracleDriver");

            Connection con = DriverManager.getConnection(url, rUserName, rUserPass);

            Statement stmt = con.createStatement();
```

```
String Query = "SELECT Password FROM Accountant WHERE Name = '" + username +  
"C";
```

```
ResultSet resSet = stmt.executeQuery(Query);
```

```
while(resSet.next()){
```

```
    password = resSet.getString(1);
```

```
    }
```

```
}
```

```
catch(Exception e){
```

```
    e.printStackTrace();
```

```
}
```

```
return password;
```

```
}
```

```
Accountant(String username, String pass, String email, String contact){
```

```
try{
```

```
    Class.forName("oracle.jdbc.OracleDriver");
```

```
    Connection con = DriverManager.getConnection(url, rUserName, rUserPass);
```

```
    Statement stmt = con.createStatement();
```

```
    String insertQuery = "INSERT INTO Accountant VALUES(Accountant_id.NEXTVAL, '" +  
username + "', '" + pass + "', '" + email + "', '" + contact + "')";
```

```
    // System.out.println(insertQuery);
```

```
    stmt.executeUpdate(insertQuery);
```

```
}
```

```
catch(Exception e)
```

```
{
```

```
    e.printStackTrace();
```

```
}
```

```
}
```

```
String[][] viewAccountant(){
```

```
try{
```

```
    Class.forName("oracle.jdbc.OracleDriver");
```

```
    Connection con = DriverManager.getConnection(url, rUserName, rUserPass);
```

```

Statement stmt = con.createStatement();

String selectQuery = "SELECT * FROM Accountant";
ResultSet resSet = stmt.executeQuery(selectQuery);

int i = 0;
while(resSet.next())
{
    // System.out.println(resSet.getInt(1) + " " + resSet.getString(2) + " " +
resSet.getString(3) + " " + resSet.getString(4) + " " + resSet.getString(5));
    int id = resSet.getInt(1);
    String accId = Integer.toString(id);
    String name = resSet.getString(2);
    String pass = resSet.getString(3);
    String email = resSet.getString(4);
    String contact = resSet.getString(5);

    data[i][0] = accId;
    data[i][1] = name;
    data[i][2] = pass;
    data[i][3] = email;
    data[i][4] = contact;

    i++;
}

// for(int j = 0; j < i; j++){
//     for(int k = 0; k < 5; k++){
//         System.out.print(data[j][k] + "\t");
//     }
//     System.out.println("\n");
// }
catch(Exception e)
{
    e.printStackTrace();
}

return data;
}

public static void main(String args[])
{
    Accountant acc = new Accountant();

```

```

        String accData[][] = acc.viewAccountant();
    }
}

```

Student.java

```
package main;
```

```
import java.sql.*;
```

```
public class Student{
```

```

    private String url = "jdbc:oracle:thin:@localhost:1521:XE";
    private String rUserName = "system";
    private String rUserPass = "sai";

```

```

    String[][] data = new String[30][9];
    String[] stdData = new String[11];

```

```
    Student(){}

```

```

    Student(String name, String email, String course, int fee, int paid, int due, String address,
    String city, String state, String contact){

```

```

        try{
            Class.forName("oracle.jdbc.OracleDriver");

```

```
            Connection con = DriverManager.getConnection(url, rUserName, rUserPass);
```

```
            Statement stmt = con.createStatement();
```

```

            String insertQuery = "INSERT INTO Student VALUES(Student_id.NEXTVAL, "" + name +
            "", "" + email + "", "" + course + "", "" + fee + "", "" + paid + "", "" + due + "", "" + address + "", "" +
            city + "", "" + state + "", "" + contact + "")";

```

```
            // System.out.println(insertQuery);
```

```

            stmt.executeUpdate(insertQuery);
        }

```

```
        catch(Exception e)
```

```

        {
            e.printStackTrace();

```

```
}  
}
```

```
String[][] viewStudent(){  
    try{  
        Class.forName("oracle.jdbc.OracleDriver");  
  
        Connection con = DriverManager.getConnection(url, rUserName, rUserPass);  
  
        Statement stmt = con.createStatement();  
  
        String selectQuery = "SELECT * FROM Student";  
        ResultSet resSet = stmt.executeQuery(selectQuery);  
  
        int i = 0;  
        while(resSet.next())  
        {  
            // System.out.println(resSet.getInt(1) + " " + resSet.getString(2) + " " +  
resSet.getString(3) + " " + resSet.getString(4) + " " + resSet.getString(5));  
            int id = resSet.getInt(1);  
            String name = resSet.getString(2);  
            String email = resSet.getString(3);  
            String course = resSet.getString(4);  
            int fee = resSet.getInt(5);  
            int paid = resSet.getInt(6);  
            // String paidFees = Integer.toString(paid);  
            int due = resSet.getInt(7);  
            // String dueFees = Integer.toString(due);  
            String address = resSet.getString(8);  
            String city = resSet.getString(9);  
            String state = resSet.getString(10);  
            String contact = resSet.getString(11);  
  
            String studId = Integer.toString(id);  
            String fees = Integer.toString(fee);  
            String paidFees = Integer.toString(paid);  
            String dueFees = Integer.toString(due);  
            String Address = address + " " + city + " " + state;  
            // System.out.println(Address);  
  
            data[i][0] = studId;  
            data[i][1] = name;  
            data[i][2] = email;  
            data[i][3] = course;
```

```

        data[i][4] = fees;
        data[i][5] = paidFees;
        data[i][6] = dueFees;
        data[i][7] = Address;
        data[i][8] = contact;

        i++;

    }

    // for(int j = 0; j < i; j++){
    //     for(int k = 0; k < 9; k++){
    //         System.out.print(data[j][k] + "\t");
    //     }
    //     System.out.println("\n");
    // }
    catch(Exception e)
    {
        e.printStackTrace();
    }

    return data;
}

String[] loadStudent(String roll){
    try{
        Class.forName("oracle.jdbc.OracleDriver");

        Connection con = DriverManager.getConnection(url, rUserName, rUserPass);

        Statement stmt = con.createStatement();

        String selectQuery = "SELECT * FROM Student WHERE RollNo = " + roll;
        ResultSet resSet = stmt.executeQuery(selectQuery);

        while(resSet.next())
        {
            // System.out.println(resSet.getInt(1) + " " + resSet.getString(2) + " " +
            resSet.getString(3) + " " + resSet.getString(4) + " " + resSet.getString(5));
            int id = resSet.getInt(1);
            String name = resSet.getString(2);
            String email = resSet.getString(3);

```

```
String course = resSet.getString(4);
int fee = resSet.getInt(5);
int paid = resSet.getInt(6);
int due = resSet.getInt(7);
String address = resSet.getString(8);
String city = resSet.getString(9);
String state = resSet.getString(10);
String contact = resSet.getString(11);
```

```
String studId = Integer.toString(id);
String fees = Integer.toString(fee);
String paidFees = Integer.toString(paid);
String dueFees = Integer.toString(due);
```

```
stdData[0] = studId;
stdData[1] = name;
stdData[2] = email;
stdData[3] = course;
stdData[4] = fees;
stdData[5] = paidFees;
stdData[6] = dueFees;
stdData[7] = address;
stdData[8] = city;
stdData[9] = state;
stdData[10] = contact;
```

```
}
```

```
// for(int k = 0; k < 11; k++){
//   System.out.print(stdData[k] + "\t");
// }
}
catch(Exception e)
{
    e.printStackTrace();
}
```

```
return stdData;
}
```

```

void updateStudent(String roll, String name, String email, String course, int fee, int paid,
int due, String address, String city, String state, String contact){
    try{
        Class.forName("oracle.jdbc.OracleDriver");

        Connection con = DriverManager.getConnection(url, rUserName, rUserPass);

        Statement stmt = con.createStatement();

        String updateQuery = "UPDATE Student SET Name = '" + name + "', Email = '" + email +
        "', Course = '" + course + "', Fee = " + fee + ", Paid = " + paid + ", Due = " + due + ", Address =
        "'" + address + "', City = '" + city + "', State = '" + state + "', Contact = '" + contact + "' WHERE
        RollNo = " + roll;
        stmt.executeUpdate(updateQuery);

        // System.out.println("ROW UPDATED...");

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

    // return stdData;
}

```

```

String[][] dueStudent(){
    try{
        Class.forName("oracle.jdbc.OracleDriver");

        Connection con = DriverManager.getConnection(url, rUserName, rUserPass);

        Statement stmt = con.createStatement();

        String selectQuery = "SELECT * from Student WHERE Due != 0";
        ResultSet resSet = stmt.executeQuery(selectQuery);

        int i = 0;
        while(resSet.next())
        {
            // System.out.println(resSet.getInt(1) + " " + resSet.getString(2) + " " +
            resSet.getString(3) + " " + resSet.getString(4) + " " + resSet.getString(5));
            int id = resSet.getInt(1);
            String name = resSet.getString(2);

```



```

String email = resSet.getString(3);
String course = resSet.getString(4);
int fee = resSet.getInt(5);
int paid = resSet.getInt(6);
// String paidFees = Integer.toString(paid);
int due = resSet.getInt(7);
// String dueFees = Integer.toString(due);
String address = resSet.getString(8);
String city = resSet.getString(9);
String state = resSet.getString(10);
String contact = resSet.getString(11);

String studId = Integer.toString(id);
String fees = Integer.toString(fee);
String paidFees = Integer.toString(paid);
String dueFees = Integer.toString(due);
String Address = address + " " + city + " " + state;
// System.out.println(Address);

data[i][0] = studId;
data[i][1] = name;
data[i][2] = email;
data[i][3] = course;
data[i][4] = fees;
data[i][5] = paidFees;
data[i][6] = dueFees;
data[i][7] = Address;
data[i][8] = contact;

i++;

}

// for(int j = 0; j < i; j++){
//   for(int k = 0; k < 9; k++){
//     System.out.print(data[j][k] + "\t");
//   }
//   System.out.println("\n");
// }
}
catch(Exception e)
{
    e.printStackTrace();
}

```

```

        return data;
    }

    public static void main(String args[])
    {

        // Student std = new Student("sai", "sai@gmail.com", "CS", 1000, 500, 500, "hadapsar",
        "pune", "maha", "1234567890");
        Student stud = new Student();
        // String accData[][] = acc.viewStudent();
        // String student[] = stud.loadStudent("1");
        stud.updateStudent("2", "gaury", "gaury", "gaury", 0, 0, 0, "gaury", "gaury", "gaury",
        "gaury");
    }
}

```

FeeReport.java

```

package main;

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

public class FeeReport {

    JFrame frame = new JFrame("Login Page");
    JLabel label1 = new JLabel("Select User");
    JButton button1 = new JButton("Admin");
    JButton button2 = new JButton("Accountant");

    FeeReport(){

        frame.setLayout(null);
        frame.setSize(700, 700);
        frame.setVisible(true);

        // label1.setText("Select User");
        label1.setFont(new Font("Poor Richard", Font.BOLD, 40));
        label1.setBounds(250, 50, 400, 100);
    }
}

```

```

button1.setFont(new Font("Poor Richard", Font.BOLD, 20));
button1.setBounds(200, 200, 300, 50);

button2.setFont(new Font("Poor Richard", Font.BOLD, 20));
button2.setBounds(200, 300, 300, 50);

button1.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        frame.setVisible(false);
        AdminLogin adminLog = new AdminLogin();
    }
});

button2.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        frame.setVisible(false);
        AccountantLogin accLog = new AccountantLogin();
    }
});

frame.add(label1);
frame.add(button1);
frame.add(button2);

}

public static void main(String args[])
{
    new FeeReport();
}
}

```

AdminLogin.java

```

package main;

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

```

```

public class AdminLogin {

    private String uName = "admin";
    private String uPass = "admin@1";

    String userName, userPass;

    JFrame frame = new JFrame("Admin Login");
    JLabel label1 = new JLabel("Admin Login");
    JLabel name = new JLabel("Name");
    JLabel password = new JLabel("Password");
    JButton logButton = new JButton("Login");
    JButton backButton = new JButton("Back");
    JTextField nameField = new JTextField();
    JTextField passField = new JTextField();

    AdminLogin(){

        frame.setLayout(null);
        frame.setSize(700, 700);
        frame.setVisible(true);

        label1.setFont(new Font("Poor Richard", Font.BOLD, 40));
        label1.setBounds(250, 50, 400, 100);

        name.setFont(new Font("Poor Richard", Font.BOLD, 20));
        name.setBounds(150, 200, 90, 40);
        nameField.setBounds(300, 200, 300, 30);

        password.setFont(new Font("Poor Richard", Font.BOLD, 20));
        password.setBounds(150, 250, 90, 40);
        passField.setBounds(300, 260, 300, 30);

        backButton.setFont(new Font("Poor Richard", Font.BOLD, 20));
        backButton.setBounds(200, 400, 150, 30);

        logButton.setFont(new Font("Poor Richard", Font.BOLD, 20));
        logButton.setBounds(400, 400, 150, 30);

        backButton.addActionListener(new ActionListener(){
            public void actionPerformed(ActionEvent A)
            {
                FeeReport feeReport = new FeeReport();
                feeReport.frame.setVisible(true);
            }
        });
    }
}

```

```

        frame.setVisible(false);
    }
});

logButton.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        userName = nameField.getText();
        userPass = passField.getText();

        if(!(userName.isEmpty()) && !(userPass.isEmpty())){

            if(userName.equals(uName) && userPass.equals(uPass)){
                String alertMsg = "LOGIN SUCCESSFULL";
                // JDialog jDialog = new JDialog(frame, alertMsg);

                JOptionPane.showMessageDialog(frame, alertMsg);

                AdminSection adminSec = new AdminSection();
            }
            else{
                String alertMsg = "INVALID CREDENTIALS";
                JOptionPane.showMessageDialog(frame, alertMsg);
            }
        }
        else{
            String alertMsg = "ALL FIELDS ARE COMPULSORY";
            JOptionPane.showMessageDialog(frame, alertMsg);
        }

        frame.setVisisble(false);
    }
});

frame.add(label1);
frame.add(logButton);
frame.add(backButton);
frame.add(name);
frame.add(nameField);
frame.add(password);
frame.add(passField);
}

```

```
public static void main(String args[])
{
    new AdminLogin();
}
}
```

AccountantLogin.java

```
package main;
```

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

```
public class AccountantLogin {
```

```
    JFrame frame = new JFrame("Accountant Login");
    JLabel label1 = new JLabel("Accountant Login");
    JLabel name = new JLabel("Name");
    JLabel password = new JLabel("Password");
    JButton logButton = new JButton("Login");
    JButton backButton = new JButton("Back");
    JTextField nameField = new JTextField();
    JTextField passField = new JTextField();
```

```
    String userName, userPass;
```

```
    AccountantLogin(){
```

```
        frame.setLayout(null);
        frame.setSize(700, 700);
        frame.setVisible(true);
```

```
        label1.setFont(new Font("Poor Richard", Font.BOLD, 40));
        label1.setBounds(250, 50, 400, 100);
```

```
        name.setFont(new Font("Poor Richard", Font.BOLD, 20));
        name.setBounds(150, 200, 90, 40);
        nameField.setBounds(300, 200, 300, 30);
```

```

password.setFont(new Font("Poor Richard", Font.BOLD, 20));
password.setBounds(150, 250, 90, 40);
passField.setBounds(300, 260, 300, 30);

backButton.setFont(new Font("Poor Richard", Font.BOLD, 20));
backButton.setBounds(200, 400, 150, 30);

logButton.setFont(new Font("Poor Richard", Font.BOLD, 20));
logButton.setBounds(400, 400, 150, 30);

backButton.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        FeeReport feeReport = new FeeReport();
        feeReport.frame.setVisible(true);

        frame.setVisible(false);
    }
});

logButton.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        userName = nameField.getText();
        Accountant acc = new Accountant();
        String uPass = acc.getPassword(userName);
        userPass = passField.getText();

        if(!(userName.isEmpty()) && !(userPass.isEmpty())){

            if(userPass.equals(uPass)){
                String alertMsg = "LOGIN SUCCESSFULL";

                JOptionPane.showMessageDialog(frame, alertMsg);

                AccountantSection accSec = new AccountantSection();
            }
            else{
                String alertMsg = "INVALID CREDENTIALS";
                JOptionPane.showMessageDialog(frame, alertMsg);
            }
        }
        else{
            String alertMsg = "ALL FIELDS ARE COMPULSORY";

```

```

        JOptionPane.showMessageDialog(frame, alertMsg);
    }

    frame.setVisible(false);
}

});

frame.add(label1);
frame.add(logButton);
frame.add(backButton);
frame.add(name);
frame.add(nameField);
frame.add(password);
frame.add(passField);

}

public static void main(String args[])
{
    new AccountantLogin();
}
}

```

AdminSection.java

```

package main;

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

import main.AddAccountant;
import main.FeeReport;

public class AdminSection {

    JFrame frame = new JFrame("Admin Section");
    JLabel label1 = new JLabel("Admin Section");
    JButton button1 = new JButton("Add Accountant");
    JButton button2 = new JButton("View Accountant");
    JButton button3 = new JButton("Logout");

```



```

AdminSection(){

    frame.setLayout(null);
    frame.setSize(700, 700);
    frame.setVisible(true);

    // label1.setText("Select User");
    label1.setFont(new Font("Poor Richard", Font.BOLD, 40));
    label1.setBounds(250, 50, 400, 100);

    button1.setFont(new Font("Poor Richard", Font.BOLD, 20));
    button1.setBounds(200, 200, 300, 50);

    button2.setFont(new Font("Poor Richard", Font.BOLD, 20));
    button2.setBounds(200, 300, 300, 50);

    button3.setFont(new Font("Poor Richard", Font.BOLD, 20));
    button3.setBounds(200, 400, 300, 50);

    button1.addActionListener(new ActionListener(){
        public void actionPerformed(ActionEvent A)
        {
            frame.setVisible(false);
            AddAccountant addAccountant = new AddAccountant();
        }
    });

    button2.addActionListener(new ActionListener(){
        public void actionPerformed(ActionEvent A)
        {
            frame.setVisible(false);
            ViewAccountant viewAccountant = new ViewAccountant();
        }
    });

    button3.addActionListener(new ActionListener(){
        public void actionPerformed(ActionEvent A)
        {
            frame.setVisible(false);
            FeeReport feeReport = new FeeReport();
        }
    });
}

```

```

        frame.add(label1);
        frame.add(button1);
        frame.add(button2);
        frame.add(button3);

    }

    public static void main(String args[])
    {
        new AdminSection();
    }
}

```

AccountantSection.java

```

package main;

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

import main.AddStudent;
import main.DueFee;
import main.FeeReport;
import main.ViewStudent;

public class AccountantSection {

    JFrame frame = new JFrame("Accountant Section");
    JLabel label1 = new JLabel("Accountant Section");
    JButton button1 = new JButton("Add Student");
    JButton button2 = new JButton("View Student");
    JButton button3 = new JButton("Edit Student");
    JButton button4 = new JButton("Due Fee");
    JButton button5 = new JButton("Logout");

    AccountantSection(){

        frame.setLayout(null);
        frame.setSize(700, 700);
        frame.setVisible(true);
    }
}

```

```

// label1.setText("Select User");
label1.setFont(new Font("Poor Richard", Font.BOLD, 40));
label1.setBounds(200, 50, 400, 100);

button1.setFont(new Font("Poor Richard", Font.BOLD, 20));
button1.setBounds(200, 200, 300, 50);

button2.setFont(new Font("Poor Richard", Font.BOLD, 20));
button2.setBounds(200, 280, 300, 50);

button3.setFont(new Font("Poor Richard", Font.BOLD, 20));
button3.setBounds(200, 360, 300, 50);

button4.setFont(new Font("Poor Richard", Font.BOLD, 20));
button4.setBounds(200, 440, 300, 50);

button5.setFont(new Font("Poor Richard", Font.BOLD, 20));
button5.setBounds(200, 520, 300, 50);

button1.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        frame.setVisible(false);
        AddStudent addStud = new AddStudent();
    }
});

button2.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        frame.setVisible(false);
        ViewStudent viewStud = new ViewStudent();
    }
});

button3.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        frame.setVisible(false);
        EditStudent edtStud = new EditStudent();
    }
});

button4.addActionListener(new ActionListener(){

```

```

        public void actionPerformed(ActionEvent A)
        {
            frame.setVisible(false);
            DueFee dueFee = new DueFee();
        }
    });

    button5.addActionListener(new ActionListener(){
        public void actionPerformed(ActionEvent A)
        {
            frame.setVisible(false);
            FeeReport feeReport = new FeeReport();
            feeReport.frame.setVisible(true);
        }
    });

    frame.add(label1);
    frame.add(button1);
    frame.add(button2);
    frame.add(button3);
    frame.add(button4);
    frame.add(button5);

}

public static void main(String args[])
{
    new AccountantSection();
}
}

```

AddAccountant.java

```

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

import main.Accountant;
import main.AdminSection;

public class AddAccountant {

```

```
JFrame frame = new JFrame("Add Accountant");
JLabel label1 = new JLabel("Add Accountant");
JLabel name = new JLabel("Name");
JLabel password = new JLabel("Password");
JLabel email = new JLabel("E-mail");
JLabel contact = new JLabel("Contact No");
JTextField nameField = new JTextField();
JTextField passField = new JTextField();
JTextField emailField = new JTextField();
JTextField contactField = new JTextField();
JButton addButton = new JButton("Add Accountant");
JButton backButton = new JButton("Back");
String uName, uPass, uEmail, uContact;
```

```
AddAccountant(){
```

```
    frame.setLayout(null);
    frame.setSize(800, 800);
    frame.setVisible(true);
```

```
    label1.setFont(new Font("Poor Richard", Font.BOLD, 40));
    label1.setBounds(250, 50, 400, 100);
```

```
    name.setFont(new Font("Poor Richard", Font.BOLD, 15));
    name.setBounds(150, 150, 90, 40);
    nameField.setBounds(300, 160, 300, 30);
```

```
    password.setFont(new Font("Poor Richard", Font.BOLD, 15));
    password.setBounds(150, 200, 90, 40);
    passField.setBounds(300, 210, 300, 30);
```

```
    email.setFont(new Font("Poor Richard", Font.BOLD, 15));
    email.setBounds(150, 250, 90, 40);
    emailField.setBounds(300, 260, 300, 30);
```

```
    contact.setFont(new Font("Poor Richard", Font.BOLD, 15));
    contact.setBounds(150, 300, 90, 40);
    contactField.setBounds(300, 310, 300, 30);
```

```
    backButton.setFont(new Font("Poor Richard", Font.BOLD, 15));
    backButton.setBounds(200, 400, 150, 30);
```

```
    addButton.setFont(new Font("Poor Richard", Font.BOLD, 15));
```

```
addButton.setBounds(400, 400, 150, 30);
```

```
backButton.addActionListener(new ActionListener(){  
    public void actionPerformed(ActionEvent A)  
    {  
        AdminSection admSec = new AdminSection();  
        admSec.frame.setVisible(true);  
  
        frame.setVisible(false);  
    }  
});
```

```
addButton.addActionListener(new ActionListener(){  
    public void actionPerformed(ActionEvent A)  
    {  
        uName = nameField.getText();  
        uPass = passField.getText();  
        uEmail = emailField.getText();  
        uContact = contactField.getText();  
  
        Accountant acc = new Accountant(uName, uPass, uEmail, uContact);  
  
        String alertMsg = "Accountant Added Successfully";  
  
        JOptionPane.showMessageDialog(frame, alertMsg);  
  
        frame.setVisible(false);  
  
        AdminSection admSec = new AdminSection();  
        admSec.frame.setVisible(true);  
    }  
});
```

```
frame.add(label1);  
frame.add(addButton);  
frame.add(backButton);  
frame.add(name);  
frame.add(nameField);  
frame.add(password);  
frame.add(passField);  
frame.add(email);  
frame.add(emailField);  
frame.add(contact);  
frame.add(contactField);
```

```

    }

    public static void main(String args[])
    {
        new AddAccountant();
    }
}

```

ViewAccountant.java

```

package main;

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

import main.AdminLogin;
import main.AdminSection;

import java.sql.*;

public class ViewAccountant {

    JFrame frame = new JFrame("Accountants");
    JLabel label1 = new JLabel("Accountants");
    JButton backButton = new JButton("Back");
    JTable accountants;
    JScrollPane scrollPane;

    private String url = "jdbc:oracle:thin:@localhost:1521:XE";
    private String rUserName = "system";
    private String rUserPass = "sai";

    String[] headings = {"ID", "NAME", "PASSWORD", "EMAIL", "CONTACT NO"};

    ViewAccountant(){

        backButton.setFont(new Font("Poor Richard", Font.BOLD, 20));
        backButton.setBounds(250, 500, 150, 30);
    }
}

```

```

Accountant acc = new Accountant();
String data[][] = acc.viewAccountant();

accountants = new JTable(data, headings);
scrollPane = new JScrollPane(accountants);

frame.add(label1);
frame.add(backButton);
frame.add(scrollPane);

backButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent A){
        AdminSection admSec = new AdminSection();
        admSec.frame.setVisible(true);
        frame.setVisible(false);
    }
});

frame.setSize(700, 700);
frame.setVisible(true);

}

public static void main(String args[])
{
    new ViewAccountant();
}
}

```

AddStudent.java

```

package main;

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

import main.AccountantSection;
import main.Student;

public class AddStudent {

```



```
JFrame frame = new JFrame("Add Student");
JLabel label1 = new JLabel("Add Student");
JLabel name = new JLabel("Name");
JLabel email = new JLabel("E-mail");
JLabel course = new JLabel("Course");
JLabel fee = new JLabel("Fee");
JLabel paid = new JLabel("Paid");
JLabel address = new JLabel("Address");
JLabel city = new JLabel("City");
JLabel state = new JLabel("State");
JLabel contact = new JLabel("Contact No");
JTextField nameField = new JTextField();
JTextField emailField = new JTextField();
JTextField courseField = new JTextField();
JTextField feeField = new JTextField();
JTextField paidField = new JTextField();
JTextField dueField = new JTextField();
JTextField addressField = new JTextField();
JTextField cityField = new JTextField();
JTextField stateField = new JTextField();
JTextField contactField = new JTextField();
JButton addButton = new JButton("Add Student");
JButton backButton = new JButton("Back");
String uName, uEmail, uCourse, uFee, uPaid, uDue, uAddress, uCity, uState, uContact;
```

```
AddStudent(){
```

```
    frame.setLayout(null);
    frame.setSize(800, 800);
    frame.setVisible(true);
```

```
    label1.setFont(new Font("Poor Richard", Font.BOLD, 40));
    label1.setBounds(250, 50, 400, 100);
```

```
    name.setFont(new Font("Poor Richard", Font.BOLD, 15));
    name.setBounds(150, 150, 90, 40);
    nameField.setBounds(300, 160, 300, 30);
```

```
    email.setFont(new Font("Poor Richard", Font.BOLD, 15));
    email.setBounds(150, 200, 90, 40);
    emailField.setBounds(300, 210, 300, 30);
```

```
    course.setFont(new Font("Poor Richard", Font.BOLD, 15));
    course.setBounds(150, 250, 90, 40);
```

```
courseField.setBounds(300, 260, 300, 30);
```

```
fee.setFont(new Font("Poor Richard", Font.BOLD, 15));  
fee.setBounds(150, 300, 90, 40);  
feeField.setBounds(300, 310, 300, 30);
```

```
paid.setFont(new Font("Poor Richard", Font.BOLD, 15));  
paid.setBounds(150, 350, 90, 40);  
paidField.setBounds(300, 360, 300, 30);
```

```
address.setFont(new Font("Poor Richard", Font.BOLD, 15));  
address.setBounds(150, 400, 90, 40);  
addressField.setBounds(300, 410, 300, 30);
```

```
city.setFont(new Font("Poor Richard", Font.BOLD, 15));  
city.setBounds(150, 450, 90, 40);  
cityField.setBounds(300, 460, 300, 30);
```

```
state.setFont(new Font("Poor Richard", Font.BOLD, 15));  
state.setBounds(150, 500, 90, 40);  
stateField.setBounds(300, 510, 300, 30);
```

```
contact.setFont(new Font("Poor Richard", Font.BOLD, 15));  
contact.setBounds(150, 550, 90, 40);  
contactField.setBounds(300, 560, 300, 30);
```

```
backButton.setFont(new Font("Poor Richard", Font.BOLD, 15));  
backButton.setBounds(200, 720, 150, 30);
```

```
addButton.setFont(new Font("Poor Richard", Font.BOLD, 15));  
addButton.setBounds(400, 720, 150, 30);
```

```
backButton.addActionListener(new ActionListener(){  
    public void actionPerformed(ActionEvent A)  
    {  
        AccountantSection accSec = new AccountantSection();  
        accSec.frame.setVisible(true);  
  
        frame.setVisible(false);  
    }  
});
```

```
addButton.addActionListener(new ActionListener(){  
    public void actionPerformed(ActionEvent A)
```

```

{
    uName = nameField.getText();
    uEmail = emailField.getText();
    uCourse = courseField.getText();
    uFee = feeField.getText();
    uPaid = paidField.getText();
    // uDue = dueField.getText();
    uAddress = addressField.getText();
    uCity = cityField.getText();
    uState = stateField.getText();
    uContact = contactField.getText();

    int fee, paidFee, dueFee;

    fee = Integer.parseInt(uFee);
    paidFee = Integer.parseInt(uPaid);
    // dueFee = Integer.parseInt(uDue);

    if(paidFee > fee)
    {
        String alertMsg = "INVALID VALUE";
        JOptionPane.showMessageDialog(frame, alertMsg);
    }

    dueFee = fee - paidFee;

    Student student = new Student(uName, uEmail, uCourse, fee, paidFee, dueFee,
uAddress, uCity, uState, uContact);

    String alertMsg = "STUDENT ADDED SUCCESSFULLY";

    JOptionPane.showMessageDialog(frame, alertMsg);

    frame.setVisible(false);

    AccountantSection accSec = new AccountantSection();
    accSec.frame.setVisible(true);
}
});

frame.add(label1);
frame.add(addButton);
frame.add(backButton);
frame.add(name);

```

```
        frame.add(nameField);
        frame.add(email);
        frame.add(emailField);
        frame.add(course);
        frame.add(courseField);
        frame.add(fee);
        frame.add(feeField);
        frame.add(paid);
        frame.add(paidField);
        frame.add(address);
        frame.add(addressField);
        frame.add(city);
        frame.add(cityField);
        frame.add(state);
        frame.add(stateField);
        frame.add(contact);
        frame.add(contactField);

    }

    public static void main(String args[])
    {
        new AddStudent();
    }
}
```

ViewStudent.java

```
package main;

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import main.AdminLogin;
import main.AdminSection;
import java.sql.*;
```

```

public class ViewStudent {

    JFrame frame = new JFrame("Students");
    JLabel label1 = new JLabel("Students");
    JButton backButton = new JButton("Back");
    JTable students;
    JScrollPane scrollPane;

    private String url = "jdbc:oracle:thin:@localhost:1521:XE";
    private String rUserName = "system";
    private String rUserPass = "sai";

    String[] headings = {"ROLL NO", "NAME", "EMAIL", "COURSE", "APPLICABLE FEES", "PAID
FEES", "DUE FEES", "ADDRESS", "CONTACT"};

    ViewStudent(){

        backButton.setFont(new Font("Poor Richard", Font.BOLD, 20));
        backButton.setBounds(300, 600, 150, 30);

        Student stud = new Student();
        String data[][] = stud.viewStudent();

        students = new JTable(data, headings);
        scrollPane = new JScrollPane(students);

        frame.add(backButton);
        frame.add(scrollPane);

        backButton.addActionListener(new ActionListener() {

```

```

        public void actionPerformed(ActionEvent A){
            AccountantSection accSec = new AccountantSection();
            accSec.frame.setVisible(true);
            frame.setVisible(false);
        }
    });

    frame.setSize(900, 800);
    frame.setVisible(true);

}

public static void main(String args[])
{
    new ViewStudent();
}
}

```

EditStudent.java

```

package main;

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

import main.AccountantSection;
import main.Student;

public class EditStudent {

    JFrame frame = new JFrame("Edit Student");

```

```
JLabel label1 = new JLabel("Edit Student");
JLabel roll = new JLabel("Roll No");
JLabel name = new JLabel("Name");
JLabel email = new JLabel("E-mail");
JLabel course = new JLabel("Course");
JLabel fee = new JLabel("Fee");
JLabel paid = new JLabel("Paid");
JLabel address = new JLabel("Address");
JLabel city = new JLabel("City");
JLabel state = new JLabel("State");
JLabel contact = new JLabel("Contact No");
JTextField rollField = new JTextField();
JTextField nameField = new JTextField();
JTextField emailField = new JTextField();
JTextField courseField = new JTextField();
JTextField feeField = new JTextField();
JTextField paidField = new JTextField();
JTextField addressField = new JTextField();
JTextField cityField = new JTextField();
JTextField stateField = new JTextField();
JTextField contactField = new JTextField();
JButton updateButton = new JButton("Update Student");
JButton backButton = new JButton("Back");
JButton loadButton = new JButton("Load Record");
String rNo, uName, uEmail, uCourse, uFee, uPaid, uDue, uAddress, uCity, uState, uContact;
```

```
EditStudent(){
```

```
    frame.setLayout(null);
    frame.setSize(900, 900);
    frame.setVisible(true);
```

```
    label1.setFont(new Font("Poor Richard", Font.BOLD, 40));
    label1.setBounds(250, 30, 400, 100);
```

```
    roll.setFont(new Font("Poor Richard", Font.BOLD, 15));
    roll.setBounds(150, 130, 90, 40);
    rollField.setBounds(300, 140, 300, 30);
```

```
    name.setFont(new Font("Poor Richard", Font.BOLD, 15));
    name.setBounds(150, 220, 90, 40);
    nameField.setBounds(300, 230, 300, 30);
```

```
    email.setFont(new Font("Poor Richard", Font.BOLD, 15));
```

```
email.setBounds(150, 270, 90, 40);
emailField.setBounds(300, 280, 300, 30);
```

```
course.setFont(new Font("Poor Richard", Font.BOLD, 15));
course.setBounds(150, 320, 90, 40);
courseField.setBounds(300, 330, 300, 30);
```

```
fee.setFont(new Font("Poor Richard", Font.BOLD, 15));
fee.setBounds(150, 370, 90, 40);
feeField.setBounds(300, 380, 300, 30);
```

```
paid.setFont(new Font("Poor Richard", Font.BOLD, 15));
paid.setBounds(150, 420, 90, 40);
paidField.setBounds(300, 430, 300, 30);
```

```
address.setFont(new Font("Poor Richard", Font.BOLD, 15));
address.setBounds(150, 470, 90, 40);
addressField.setBounds(300, 480, 300, 30);
```

```
city.setFont(new Font("Poor Richard", Font.BOLD, 15));
city.setBounds(150, 520, 90, 40);
cityField.setBounds(300, 530, 300, 30);
```

```
state.setFont(new Font("Poor Richard", Font.BOLD, 15));
state.setBounds(150, 570, 90, 40);
stateField.setBounds(300, 580, 300, 30);
```

```
contact.setFont(new Font("Poor Richard", Font.BOLD, 15));
contact.setBounds(150, 620, 90, 40);
contactField.setBounds(300, 630, 300, 30);
```

```
backButton.setFont(new Font("Poor Richard", Font.BOLD, 15));
backButton.setBounds(200, 720, 150, 30);
```

```
updateButton.setFont(new Font("Poor Richard", Font.BOLD, 15));
updateButton.setBounds(400, 720, 150, 30);
```

```
loadButton.setFont(new Font("Poor Richard", Font.BOLD, 15));
loadButton.setBounds(300, 180, 150, 30);
```

```
loadButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent A){
```



```

        rNo = rollField.getText();

        Student stud = new Student();
        String studData[] = stud.loadStudent(rNo);

        nameField.setText(studData[1]);
        emailField.setText(studData[2]);
        courseField.setText(studData[3]);
        feeField.setText(studData[4]);
        paidField.setText(studData[5]);
        addressField.setText(studData[7]);
        cityField.setText(studData[8]);
        stateField.setText(studData[9]);
        contactField.setText(studData[10]);

    }
});

backButton.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        AccountantSection accSec = new AccountantSection();
        accSec.frame.setVisible(true);

        frame.setVisible(false);
    }
});

updateButton.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent A)
    {
        rNo = rollField.getText();
        uName = nameField.getText();
        uEmail = emailField.getText();
        uCourse = courseField.getText();
        uFee = feeField.getText();
        uPaid = paidField.getText();
        uAddress = addressField.getText();
        uCity = cityField.getText();
        uState = stateField.getText();
        uContact = contactField.getText();

        int fee, paidFee, dueFee;

```

```

        fee = Integer.parseInt(uFee);
        paidFee = Integer.parseInt(uPaid);

        if(paidFee > fee)
        {
            String alertMsg = "INVALID VALUE";
            JOptionPane.showMessageDialog(frame, alertMsg);
        }

        dueFee = fee - paidFee;

        Student student = new Student();
        student.updateStudent(rNo, uName, uEmail, uCourse, fee, paidFee, dueFee,
uAddress, uCity, uState, uContact);

        String alertMsg = "STUDENT UPDATED SUCCESSFULLY";

        JOptionPane.showMessageDialog(frame, alertMsg);

        frame.setVisible(false);

        AccountantSection accSec = new AccountantSection();
        accSec.frame.setVisible(true);
    }
});

frame.add(label1);
frame.add(roll);
frame.add(rollField);
frame.add(loadButton);
frame.add(updateButton);
frame.add(backButton);
frame.add(name);
frame.add(nameField);
frame.add(email);
frame.add(emailField);
frame.add(course);
frame.add(courseField);
frame.add(fee);
frame.add(feeField);
frame.add(paid);
frame.add(paidField);
frame.add(address);
frame.add(addressField);

```

```

        frame.add(city);
        frame.add(cityField);
        frame.add(state);
        frame.add(stateField);
        frame.add(contact);
        frame.add(contactField);

    }

    public static void main(String args[])
    {
        new EditStudent();
    }
}

```

DueFee.java

```

package main;

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

import main.AdminLogin;
import main.AdminSection;

import java.sql.*;

public class DueFee {

    JFrame frame = new JFrame("Students");
    JLabel label1 = new JLabel("Students");
    JButton backButton = new JButton("Back");
    JTable due;
    JScrollPane scrollPane;

    private String url = "jdbc:oracle:thin:@localhost:1521:XE";
    private String rUserName = "system";
    private String rUserPass = "sai";

```

```
String[] headings = {"ROLL NO", "NAME", "EMAIL", "COURSE", "APPLICABLE FEES", "PAID  
FEES", "DUE FEES", "ADDRESS", "CONTACT"};
```

```
DueFee(){
```

```
    backButton.setFont(new Font("Poor Richard", Font.BOLD, 20));  
    backButton.setBounds(300, 600, 150, 30);
```

```
    Student stud = new Student();  
    String data[][] = stud.dueStudent();
```

```
    due = new JTable(data, headings);  
    scrollPane = new JScrollPane(due);
```

```
    frame.add(backButton);  
    frame.add(scrollPane);
```

```
    backButton.addActionListener(new ActionListener() {  
        public void actionPerformed(ActionEvent A){  
            AccountantSection accSec = new AccountantSection();  
            accSec.frame.setVisible(true);  
            frame.setVisible(false);  
        }  
    });
```

```
    frame.setSize(900, 800);  
    frame.setVisible(true);
```

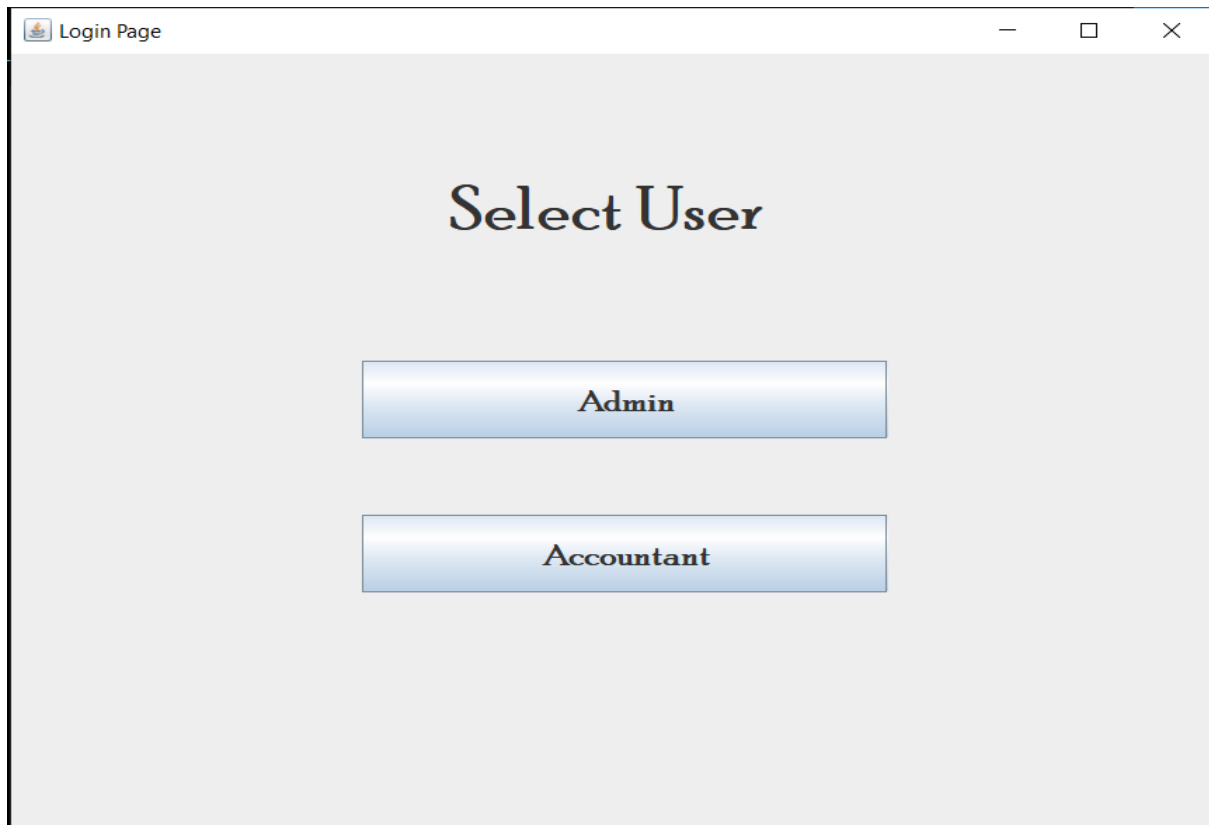
```
}
```

```
public static void main(String args[])
```

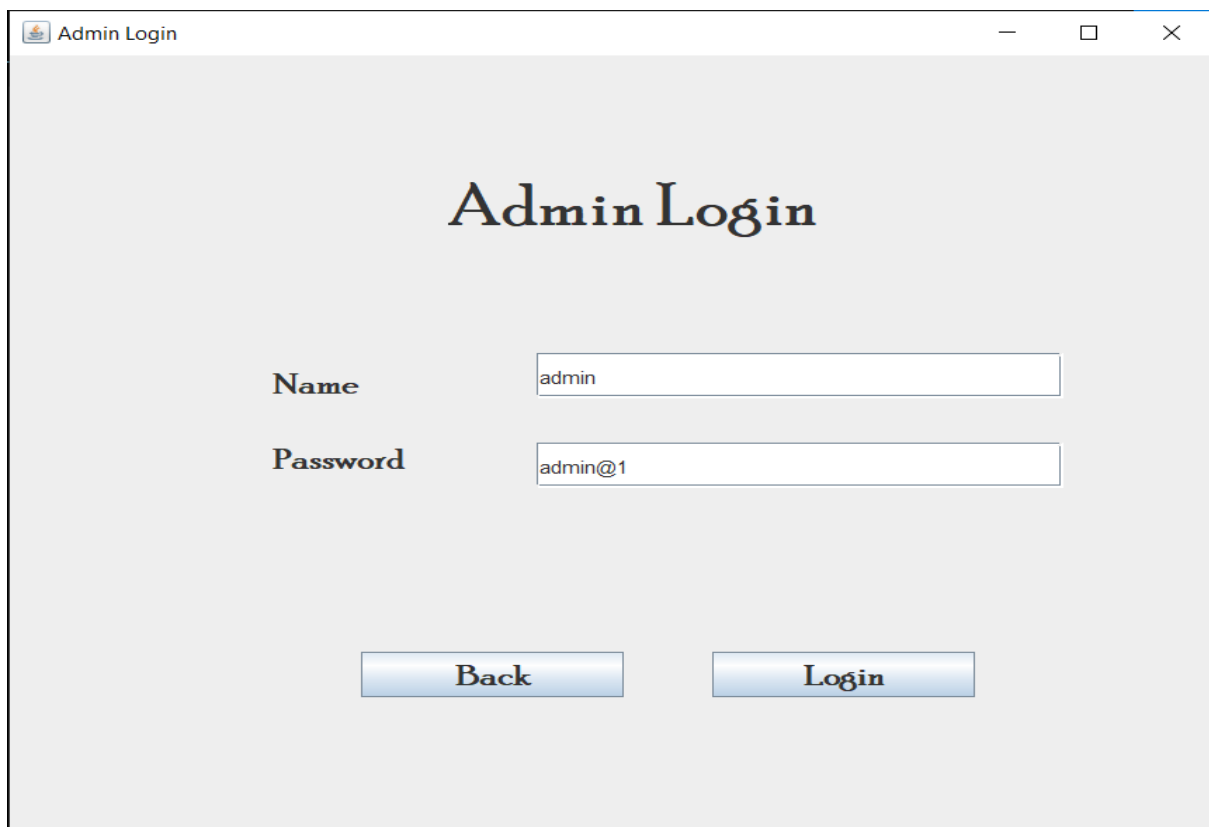
```
{  
    new DueFee();  
}
```

```
}
```

OUTPUT



The screenshot shows a window titled "Login Page" with a light gray background. In the center, the text "Select User" is displayed in a large, black, serif font. Below this text, there are two rectangular buttons with a blue gradient and a slight shadow. The top button is labeled "Admin" and the bottom button is labeled "Accountant", both in a black, serif font.



The screenshot shows a window titled "Admin Login" with a light gray background. In the center, the text "Admin Login" is displayed in a large, black, serif font. Below this text, there is a login form. It consists of two rows: the first row has the label "Name" followed by a text input field containing the text "admin"; the second row has the label "Password" followed by a text input field containing the text "admin@1". At the bottom of the form, there are two rectangular buttons with a blue gradient and a slight shadow. The left button is labeled "Back" and the right button is labeled "Login", both in a black, serif font.

Admin Login

Name

Password

Message

×




LOGIN SUCCESSFULL

OK

Back

Login

 Admin Section

—

□

×

Admin Section

Add Accountant

View Accountant

Logout

Add Accountant

Add Accountant

Name

Password

E-mail

ContactNo

Add Accountant


Name

Password

E-mail

ContactNo

Message

 Accountant Added Successfully

Accountants

ID	NAME	PASSWORD	EMAIL	CONTACT NO
1	Sai	Sai@1	sai@gmail.com	0123456789
2	Saipriti	Saipriti@1	saipriti@gmail.com	1234567890
3	Dhanush	Dhanush@24	saidhanush@gmail.com	7666617443
4	Priti	Priti@1	pritimhane23@gmail.c...	8261908975

Back

Accountant Login

Accountant Login

Name

Sai

Password

Sai@1


Back


Login

Name

Password

Message

 **LOGIN SUCCESSFULL**

 Accountant Section

— □ ×

Accountant Section

Add Student

Name	<input type="text" value="Sayyam Patil"/>
E-mail	<input type="text" value="patilsayyam2508@gmail.com"/>
Course	<input type="text" value="Computers"/>
Fee	<input type="text" value="10000"/>
Paid	<input type="text" value="5000"/>
Address	<input type="text" value="Ravet"/>
City	<input type="text" value="Pimpri Chinchwad"/>
State	<input type="text" value="Maharashtra"/>
ContactNo	<input type="text" value="8237242508"/>

Message

×


**STUDENT ADDED SUCCESSFULLY**

Computers

Ravet

Pimpri Chinchwad

[illegible]


Students

ROLL NO

NAME

EMAIL

COURSE

APPLICABLE F...

PAID FEES

DUE FEES

ADDRESS

CONTACT

2

Sayyam

sayyam@gmail...

Data Mining

10000

5000

5000

Pune Pune Maha...

9604472990

4

Sayyam Patil

patilsayyam2508...

Computers

10000

5000

5000

Ravet Pimpri Chi...

8237242508

Back

Edit Student

Edit Student

RollNo

4

LoadRecord

Name

E-mail

Course

Fee

Paid

Address

City

State

ContactNo

Back

Update Student

Edit Student

Roll No	<input type="text" value="4"/>
	<input type="button" value="Load Record"/>
Name	<input type="text" value="Sayyam Patil"/>
E-mail	<input type="text" value="patilsayyam2508@gmail.com"/>
Course	<input type="text" value="Computers"/>
Fee	<input type="text" value="10000"/>
Paid	<input type="text" value="10000"/>
Address	<input type="text" value="Ravet"/>
City	<input type="text" value="Pimpri Chinchwad"/>
State	<input type="text" value="Maharashtra"/>
Contact No	<input type="text" value="8237242508"/>

Message



STUDENT UPDATED SUCCESSFULLY

[illegible]