



Project Topic: Exam Registration

Subject: Database systems Lab

Roll Number: 205119015

Index

- 1. Introduction**
- 2. Objectives**
- 3. Category**
- 4. Tools/Platform**
- 5. Hardware and Software
requirement**

6. System Design

7. Database structures

8. Main forms

- ❖ Home Form
- ❖ Signup form
- ❖ Details form
- ❖ Registration form
- ❖ Submit form

Introduction:

The title of the project is “Exam Registration System”. The project will handle the activities of exam registration. It helps to keep the records of the students who apply for the examination.

Project Category:

This project as titled “Exam Registration” comes under **Relational Database Management System**.

This application is developed with the help of Netbeans 6.5.1 and SQL Plus.

Tools/Platform:

This project is developed using the tools, which are most suited for development of the Application Package. These tools are as follows: -

1. Netbeans 6.5.1 (For front end)
2. Sql Plus (For Database Storage as Back end)

Hardware and Software :

Hardware:

- Processor Pentium-3 or higher
- Processor Speed 533 MHZ
- Hard Disk Space 20 GB (min.)
- Ram Memory 32 MB (64 MB recommended)

Software:

- Operating System: Windows 2000/NT/XP
- Database Server: Mysql Server.

System Design:

System Design is the solution to the creation of a new system. This is the important aspect made up of several steps. The complete, efficient and successful system should provide the following in succession: -

- ♣ From where should we start?
- ♣ Where we have to go...
- ♣ Where should we stop?

If the project is to be successful, we will need to answer these questions. The answer of these questions is schema

manner and is known as system design. A systematic manner will be followed so as to achieve beneficial result at the end. It involves starting with a vague idea and ultimately developing it up into a useful system. The design phase is transition from a user oriented to a document oriented to the programmers. Software report can be broken into a series of steps starting with the basic ideas and ending with the finished project.

Database Structure:

Users:

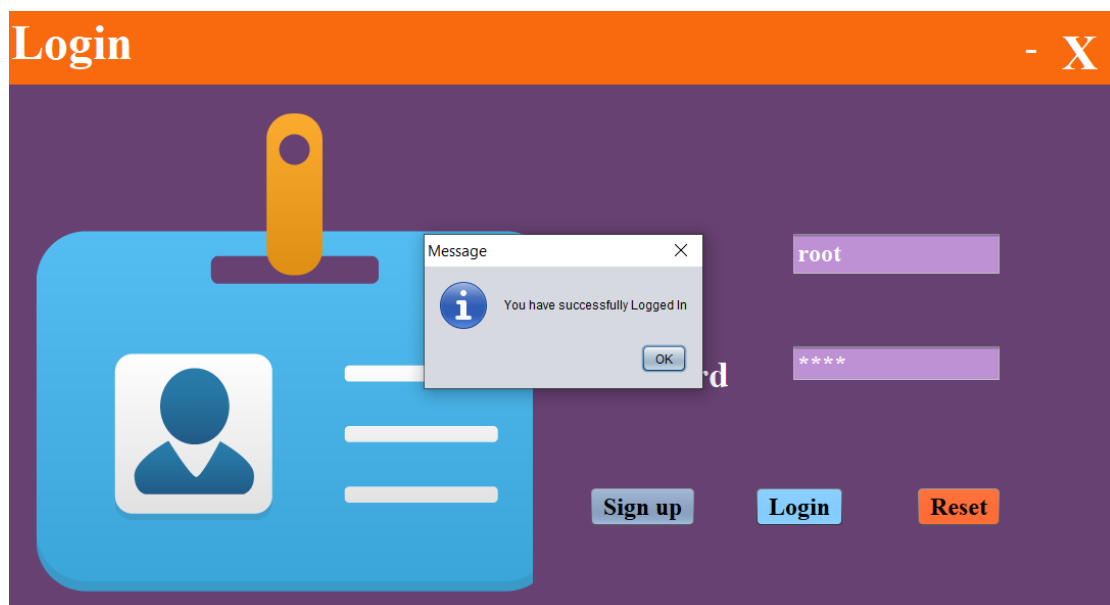
Field Name	Field Type	Constraints	Description
Name	Varchar(30)		Store Name of applicant
Mail	Varchar(30)	Primary	Store Mail address
Password	Varchar(30)		Stores password

Details:

Field Name	Field Type	Constraints	Description
Fame	Varchar(30)		Store First Name
Lname	Varchar(30)		Stores Last name
Blood Grp	Varchar(3)		Stores Blood Group
Phone Number	Varchar(30)		Stores Contact number
Address	Varchar(30)		Stores the status
Age	Integer(38)		Stores Age
Tenth	Float(126)		Stores 10 th percent
Twelveth	Float(126)		Stores 12 th percent
Graduation	Float(126)		Stores Graduation percent
Gender	Varchar(6)		Stores Gender
Tenth Board	Varchar(30)		Stores tenth Board
Twelveth Board	Varchar(30)		Stores twelveth Board
Degree	Varchar(30)		Stores Graduation Degree
mail	Varchar(30)	Primary Key	Stores mail address
Roll number	integer		Stores roll number

Main Forms:

1. Home Form:



The image shows a web application login interface. At the top, there is an orange header bar with the word "Login" on the left and a close button "X" on the right. The main background is a dark purple color. On the left side, there is a blue graphic of a clipboard with a yellow clip at the top. The clipboard has a white square with a blue person icon and three horizontal white lines below it. In the center, a white message box is overlaid. The message box has a title bar with "Message" and a close button "X". Inside the box, there is a blue information icon "i" followed by the text "You have successfully Logged In" and an "OK" button. To the right of the message box, there are two purple input fields. The top field contains the text "root" and the bottom field contains five asterisks "*****". Below these fields, there are three buttons: "Sign up" (grey), "Login" (blue), and "Reset" (orange).

2. Details Form:

Register - X

First Name :

Last Name :

Blood Group :

Mobile Number :

Gender :

Age :

Address :

Tenth Details

10th Percent :

Register

- X

Tenth Details

10th Percent : 80

Board : C.B.S.E Board

Twelveth Details

12th Percent : 80

Board : C.B.S.E Board

Graduation Details

Graduation : 80


Degree : B.Tech

I agree that the above details provided by me are correct.

Submit

Cancel

3.Submit Form:

— □ ×

Admit Card

First Name : xyz

Blood Group : A +ve

Gender : Male

Mobile Number : 1234567890

Address : abc

Last Name : xyz

Roll number :

Photo

Rules : 1.Students must bring the admit card with them during the time of exam.

2.No Student is allowed to bring any printed study material .

3.This admit card must be retained till the time of admission.

3.This admit card must be retained till the time of admission.

Student Signature

Invigilator Signature

Print

3. SignUp form:

Sign Up

Name SYSTEM

Email ROOT

Password ****

Submit Reset

Code Modules:

1. Home

```
import java.sql.* ;  
import javax.swing.JOptionPane ;  
  
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    if ("".equals(jTextField1.getText()) || "".equals(pas.getText())) {  
        JOptionPane.showMessageDialog(null, "Fields must not be empty");  
    }  
}
```



```

    } else {
        try {
            String u = jTextField1.getText();
            String p = pas.getText();
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = (Connection)
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:root",
"system", "root");
            java.sql.Statement stmt = con.createStatement();
            String query = "Select * from users where mail='" + u + "'";
            ResultSet rs = stmt.executeQuery(query);
            if (rs.next()) {
                String ps = rs.getString("PASS");
                String flag;

                if (p.equals(ps)) {
                    JOptionPane.showMessageDialog(null, "You have successfully
Logged In");
                    desc field = new desc();
                    field.setVisible(true);
                    setVisible(false);

                } else {
                    JOptionPane.showMessageDialog(null, "Please ensure that the
entered user name & password is correct !");
                    jTextField1.setText("");
                    pas.setText("");
                }
            } else {
                JOptionPane.showMessageDialog(null, "No Such Records are
Found");
                jTextField1.setText("");
            }
        }
    }
}

```

```

        pas.setText("");
    }
    rs.close();
    stmt.close();
    con.close();
} catch (Exception e) {
    JOptionPane.showMessageDialog(null, e);
}
}
}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {

    signup field = new signup();
    field.setVisible(true);
    setVisible(false);
}

```

2. Details

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection con = (Connection)
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:root",
"system", "root");
        Statement stmt = (Statement) con.createStatement();
    }
}

```

```
String fname = f.getText();
String lname = l.getText();
String phone = phno.getText();
String address = add.getText();
String a = m1.getText();//Create a string to store the incoming data
float tenth = Float.parseFloat(a);
```

```
String b = m2.getText();//Create a string to store the incoming data
float twelveth = Float.parseFloat(b);
String blood = (String) bgrp.getSelectedItem();
String gender = (String) g.getSelectedItem();
String d = m3.getText();//Create a string to store the incoming data
float grad = Float.parseFloat(d);
int agee = Integer.parseInt(age.getText());
```

```
String tenboard = (String) b1.getSelectedItem();
```

```
String twelveboard = (String) b2.getSelectedItem();
```

```
String degree = (String) b3.getSelectedItem();
```

```
PreparedStatement ps = con.prepareStatement("insert into details  
values(?,?,?,?,?,?,?,?,?,?,?,?,?)");
```

```
ps.setString(1, fname);
ps.setString(2, lname);
ps.setString(3, blood);
ps.setString(4, phone);
ps.setString(5, address);
ps.setFloat(6, tenth);
ps.setFloat(7, twelveth);
```

```
ps.setFloat(8, grad);
ps.setInt(9, agee);
ps.setString(10, gender);
ps.setString(11, tenboard);
ps.setString(12, twelveboard);
ps.setString(13, degree);
ps.setString(14,"t");
int res = ps.executeUpdate();
```

```
if (res > 0) {
    // ps=con.prepareStatement("update table users where ");
    reg det = new reg(fname,lname,blood,gender,address,phone);
    det.setVisible(true);
    setVisible(false);
}
stmt.close();
con.close();
```

```
} catch (Exception e) {
    JOptionPane.showMessageDialog(null, e);
}
}
```

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.setVisible(false);
}
```

3. Submit

```
public class reg extends javax.swing.JFrame {  
    private float m3,m1,m2;  
    private int age;  
    int sum=0;  
    public reg() {  
        initComponents();  
    }  
    public reg(String fname,String lname,String bloodgrp,String gender,String  
add,String phno)  
    {  
  
        initComponents();  
        l1.setText(fname);  
        l2.setText(bloodgrp);  
        l3.setText(gender);  
        l4.setText(phno);  
        l5.setText(add);  
        l6.setText(lname);  
  
    }  
}
```

4. Sign Up

```
private void submitActionPerformed(java.awt.event.ActionEvent evt) {  
  
    try{  
        Class.forName("oracle.jdbc.driver.OracleDriver");  
        Connection  
con=(Connection)DriverManager.getConnection("jdbc:oracle:thin:@localh  
ost:1521:root","system","root");  
    }  
}
```

```
Statement stmt=(Statement) con.createStatement( );
String n=name.getText();
String p=pass.getText();
String m=mail.getText();
String query="insert into users values('"+n+"','"+m+"','"+p+"')";
stmt.executeUpdate(query);
JOptionPane.showMessageDialog(null,"Sign Up successful");
new home().setVisible(true);
dispose();
stmt.close( );
con.close( );

}

catch(Exception e){
JOptionPane.showMessageDialog(null,e);
}

}
```

FUTURE SCOPE

Nothing is perfect in this world. So, we are also no exception. Although, we have tried our best to present the information effectively, yet, there can be further enhancement in the Application. Like report generation and all. We have taken care of all the critical aspects, which need to take care of during the development of the Project. Like the things this project also has some limitations and can further be enhances by someone, because there are certain drawbacks that do not permit the system to be 100% accurate.