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DIGITAL ASSIGNMENT

JAVA PROGRAMMING

Title: Complaint Register Portal

Aim:

To report complaints against the constructions taking place nearby.

Abstract:

This program is designed in such a way that the users can put forward their complaints against any nearby construction, the contractors can view the complaints against each project and even register a new project or update the existing project's status, and the admin can approve or reject the project the contractor has applied for approval. When first the program is executed, the homepage shows 3 options – User, Contractor and the Admin. When we click on user, we can select the nearby construction against which we want to report a complaint and then write the complaint in the text box given. When we go back to homepage by clicking the home button on top right corner and select contractor, a login page will appear where the contractor can login. The contractor can then view the complaints registered by users against each construction project. The contractor can also update the status of any of the existing projects as well as register new projects. When we go back to homepage and select admin, the login page appears where the admin can login. The admin can view the construction projects, their status and under which contractor they are being constructed. Then the admin can approve or reject the projects.

Code:

Connection

```
public class Connect {  
  
    Connection c;  
  
    Statement st;  
  
    Connect(){  
  
        try{  
  
            c=DriverManager.getConnection("jdbc:mysql://localhost:3306/Java_da","root","Sql@2018");  
  
            st=c.createStatement();  
  
        }  
  
        catch(Exception e){System.out.print(e);}  
  
    }  
}
```

```
}
```

Main Page:

```
public class first extends javax.swing.JFrame {  
    public first() {  
        initComponents();  
    }  
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
        ContCont=new Cont();  
        Cont.setVisible(true);  
        this.setVisible(false);  
    }  
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
        userho u=new userho();  
        u.setVisible(true);  
        this.setVisible(false);  
    }  
    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
        ALoginaa=new ALogin();  
        aa.setVisible(true);  
        this.setVisible(false);  
    }  
}
```

User Home page

```
import java.sql.*;  
import javax.swing.table.DefaultTableModel;  
import javax.swing.JTable;  
import javax.swing.JOptionPane;  
import javax.swing.table.AbstractTableModel;  
public class userho extends javax.swing.JFrame {  
    public userho() {  
        initComponents();  
    }  
}
```

```

    }

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
try{
    Connect con=new Connect();
    if(cb1.getSelectedIndex() != 0 && !rc.getText().equals("")){
        String sql="insert into complaint values('"+rc.getText()+"','"+cb1.getSelectedItem()+"");
        intrs=con.st.executeUpdate(sql);
        if(rs>0){
            JOptionPane.showMessageDialog(rootPane,"Complaint sent");
            cb1.setSelectedIndex(0);
            rc.setText("");
        }
    }
    else
    {
        JOptionPane.showMessageDialog(rootPane,"Unable to send complaint...try again");
        cb1.setSelectedIndex(0);
    }
}
catch(Exception e){
    System.out.println(e);
}
}

private void formWindowOpened(java.awt.event.WindowEvent evt) {
try{
    Connect con=new Connect();

    String user="select name from projects where approval='done'";

    ResultSetsru=con.st.executeQuery(user);
    while(rsu.next()){
        cb1.addItem(rsu.getString(1));
    }
}
}

```

```

String sql="Select * from projects where approval='done'";

DefaultTableModel dtm = new DefaultTableModel(0, 0);

String header[] = new String[] { "Name", "Status", "Contracter" };

dtm.setColumnIdentifiers(header);

dtm.isCellEditable(0, 0);

tab.setModel(dtm);

ResultSet rs=con.st.executeQuery(sql);

while(rs.next()){

dtm.addRow(new Object[] { rs.getString(1), rs.getString(2), rs.getString(3)});

    }

}

catch(Exception e){

System.out.println(e);

} }

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

first f=new first();

f.setVisible(true);

this.setVisible(false);

    }

}

```

Contractor Login

```

import java.sql.*;

import javax.swing.*;

import java.sql.*;

public class Cont extends javax.swing.JFrame {

String user="";

public Cont() {

initComponents();

    }

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

String id=cid.getText();

```

```

String pass=cpa.getText();

int count=0,rsc=0;

try{

Connect con=new Connect();

String q="Select * from Login";

ResultSetrs=con.st.executeQuery(q);

while(rs.next()){

rsc++;

String did=rs.getString("Username");

String dpass=rs.getString("Password");

if(did.equals(id) &&pass.equals(dpass)){

this.user=id;

conho co=new conho(user);

co.setVisible(true);

this.setVisible(false);

}

else

count++;

}

if(count==rsc)

JOptionPane.showMessageDialog(rootPane, "Invalid id password!");

}

catch(Exception e){

System.out.println("error"+e);

}

}

private void b2ActionPerformed(java.awt.event.ActionEventevt) {

Sign Sign=new Sign();

Sign.setVisible(true);

this.setVisible(false);

}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    first f=new first();
    f.setVisible(true);
    this.setVisible(false);
    }
}

```

Contractor sign up

```

import java.sql.*;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
import javax.swing.JOptionPane;
public class Sign extends javax.swing.JFrame {
    public Sign() {
        initComponents();
    }
    private void reg_b1ActionPerformed(java.awt.event.ActionEvent evt) {
        String owner=t1.getText();
        String pass=t2.getText();
        String cpass=t3.getText();
        try{
            Connect con=new Connect();
            if(!owner.equals("") || !pass.equals("") || !cpass.equals("")){
                if(cpass.equals(pass)){
                    String sql="Insert into login values('"+owner+"','"+pass+"')";
                    intrs=con.st.executeUpdate(sql);
                    if(rs>0){
                        JOptionPane.showMessageDialog(rootPane, "Created successfully");
                        Cont cc=new Cont();
                        cc.setVisible(true);

```

```

this.setVisible(false);

}}

else

JOptionPane.showMessageDialog(rootPane, "Password not match");

}

}

catch(Exception e){System.out.print(e);}

}

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

Cont cc=new Cont();

cc.setVisible(true);

this.setVisible(false);

} }

```

Contractor home

```

import java.sql.*;

import javax.swing.DefaultListModel;

public class conho extends javax.swing.JFrame {

    String user;

    public conho() {

        initComponents();

    }

    public conho(String id) {

        initComponents();

        user=id;

        cid.setText("Welcome "+id);

    }

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

        npronpro=new npro(user);

        npro.setVisible(true);

        this.setVisible(false);

    }

```

```

private void formWindowOpened(java.awt.event.WindowEvent evt) {
try{
    Connect con=new Connect();

    String holds="Select name from projects where cont='"+user+"' and approval='onhold'";
    ResultSet rsh=con.st.executeQuery(holds);
    DefaultListModel hm=new DefaultListModel();
    while(rsh.next()){
        hm.addElement(rsh.getString(1));
    }
    holdp.setModel(hm);

    String regSql="Select name from projects where cont='"+user+"' and approval='done'";
    ResultSet rsr=con.st.executeQuery(regSql);
    while(rsr.next()){
        regp.addItem(rsr.getString(1));
    }
}
catch(Exception e){
    System.out.println(e);
}
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    update up=new update(user);
    up.setVisible(true);
    this.setVisible(false);
}

private void regpActionPerformed(java.awt.event.ActionEvent evt) {
try{
    comp.setText("");

    Connect con=new Connect();

    String compSql="Select des from complaint where pname='"+regp.getSelectedItem()+"'";
    ResultSet rsc=con.st.executeQuery(compSql);

```



```

while(rsc.next()){
comp.append(rsc.getString("des")+"\n");
}
}catch(Exception e){
System.out.println(e);
}
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
Cont cc=new Cont();
cc.setVisible(true);
this.setVisible(false);
}
}

```

New Project

```

import javax.swing.JOptionPane;

public class npro extends javax.swing.JFrame {

String user;

public npro() {
initComponents();
}

public npro(String a) {
initComponents();
user=a;
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
try{
Connect con=new Connect();

String s="insert into projects values('"+pro.getText()+"',NULL,'"+user+"','onhold')";

intrs=con.st.executeUpdate(s);

if(rs>0){

```

```

JOptionPane.showMessageDialog(rootPane, "Project Requested...wait for approval!");
this.setVisible(false);
conho co=new conho(user);
co.setVisible(true);
    }
else
    {
JOptionPane.showMessageDialog(rootPane, "Request not sent...try again!");
pro.setText("");
    }
}
catch(Exception e){System.out.println(e);}
}

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
conho co=new conho(user);
co.setVisible(true);
this.setVisible(false);
    }
}

```

Update status

```

import java.sql.ResultSet;
import javax.swing.JOptionPane;

public class update extends javax.swing.JFrame {
String user;

    Connect con;

public update() {
initComponents();
    }

public update(String a) {
initComponents();

```

```

user=a;

try{
con=new Connect();
    }

catch(Exception e){System.out.println(e);}

    }

private void formWindowOpened(java.awt.event.WindowEventvt) {
try{
    String sql="Select * from projects where cont='"+user+"' and approval='done'";
    ResultSets=con.st.executeQuery(sql);
    while(rs.next()){
        cbp.addItem(rs.getString("name"));
    }
}
catch(Exception e){
    System.out.println(e);
}

}

private void jButton1ActionPerformed(java.awt.event.ActionEventvt) {
try{
    String usql="update projects set status='"+tf.getText()+"%' where
name='"+cbp.getSelectedItem()+"'";
    intrs=con.st.executeUpdate(usql);
    if(rs>0){
        JOptionPane.showMessageDialog(rootPane, "Status updated!");
        this.setVisible(false);
        conho co=new conho(user);
        co.setVisible(true);
    }
}
else
{

```

```

JOptionPane.showMessageDialog(rootPane, "Failed to update...try again!");
tf.setText("");
}
}
catch(Exception e){System.out.println(e);}
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    conho co=new conho(user);
    co.setVisible(true);
    this.setVisible(false);
}
}

```

Admin Login page

```

import java.sql.*;
import javax.swing.JOptionPane;
public class ALogin extends javax.swing.JFrame {
    public ALogin() {
        initComponents();
    }
    private void b1ActionPerformed(java.awt.event.ActionEvent evt) {
        String id=adm.getText();
        String pass=apass.getText();
        int count=0,rsc=0;
        try{
            Connect con=new Connect();
            String q="Select * from Login";
            ResultSets=con.st.executeQuery(q);
            while(rs.next()){
                rsc++;
                String did=rs.getString("Username");
                String dpass=rs.getString("Password");
            }
        }
    }
}

```

```

if(did.equals(id) &&pass.equals(dpass)){
    Admin a=new Admin();
    a.setVisible(true);
    this.setVisible(false);
        }
else
count++;
        }

if(count==rsc)
OptionPane.showMessageDialog(rootPane, "Invalid id password!");
}
catch(Exception e){
System.out.println("error"+e);
        }
    }

private void formWindowOpened(java.awt.event.WindowEventvt) {
    adm.setFocusable(false);
    apass.requestFocus();
}

private void jButton1ActionPerformed(java.awt.event.ActionEventvt) {
    first f=new first();
    f.setVisible(true);
    this.setVisible(false);
        }
    }

```

Admin Home Page

```

public class Admin extends javax.swing.JFrame {

    public Admin() {
        initComponents();
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEventvt) {

```

```

View_Projectsvp=new View_Projects();

vp.setVisible(true);

this.setVisible(false);

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

Approval ap=new Approval();

ap.setVisible(true);

this.setVisible(false);

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

first f=new first();

f.setVisible(true);

this.setVisible(false);

}

}

```

View Project

```

import java.sql.ResultSet;

import javax.swing.table.DefaultTableModel;

public class View_Projects extends javax.swing.JFrame {

public View_Projects() {

initComponents();

}

private void formWindowOpened(java.awt.event.WindowEvent evt) {

try{

        Connect con=new Connect();

        String sql="Select * from projects where approval='done'";

DefaultTableModel dtm = new DefaultTableModel(0, 0);

String header[] = new String[] { "Name", "Status", "Contracter" };

dtm.setColumnIdentifiers(header);

dtm.isCellEditable(0, 0);

tab.setModel(dtm);

```

```

ResultSetrs=con.st.executeQuery(sql);

while(rs.next()){

dtm.addRow(new Object[] { rs.getString(1), rs.getString(2), rs.getString(3)});}

}catch(Exception e){

System.out.println("Error");

}

}

private void jButton3ActionPerformed(java.awt.event.ActionEventevt) {

    Admin aa=new Admin();

aa.setVisible(true);

this.setVisible(false);

} }

```

Approve project

```

importjava.sql.ResultSet;

importjavax.swing.JOptionPane;

public class Approval extends javax.swing.JFrame {

public Approval() {

initComponents();

}

public void updateOnhold(){

try{

pcb.removeAllItems();

        Connect con=new Connect();

pcb.addItem("--Select--");

        String sql="select name from projects where approval='onhold'";

ResultSetrs=con.st.executeQuery(sql);

while(rs.next()){

pcb.addItem(rs.getString(1));

}

}

}

```

```

catch(Exception e){
System.out.println(e);
    }
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
try{
    Connect con=new Connect();

    String sql="update projects set status='0%',approval='rejected' where
name='"+pcb.getSelectedItem()+"'";
    intrs=con.st.executeUpdate(sql);
    if(rs>0)
        {
JOptionPane.showMessageDialog(rootPane,"Project rejected!");
pcb.setSelectedIndex(0);

        }
    else{
JOptionPane.showMessageDialog(rootPane,"Unable to reject...try again!");
        }
    }
catch(Exception e){
System.out.println(e);
    }
}

private void pcbActionPerformed(java.awt.event.ActionEvent evt) {
try{
    Connect con=new Connect();

    if(pcb.getSelectedIndex()==0){
colab.setText("");
    }
    else{

```



```

        String sql="select cont from projects where name='"+pcb.getSelectedItem()+"'";

ResultSetrs=con.st.executeQuery(sql);
while(rs.next())
colab.setText(rs.getString(1));
        }
    }
catch(Exception e){
System.out.println(e);
    }
}

private void jButton2ActionPerformed(java.awt.event.ActionEventvt) {
try{
    Connect con=new Connect();

    String sql="update projects set status='0%',approval='done' where
name='"+pcb.getSelectedItem()+"'";

intrs=con.st.executeUpdate(sql);
if(rs>0)
    {

JOptionPane.showMessageDialog(rootPane,"Project approved!");
pcb.setSelectedIndex(0);
    }
else{
JOptionPane.showMessageDialog(rootPane,"Project not approved...try again!");
    }

}

catch(Exception e){
System.out.println(e);
    }
}

private void formWindowActivated(java.awt.event.WindowEventvt) {

```

```

updateOnhold();
    }

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

Admin aa=new Admin();

aa.setVisible(true);

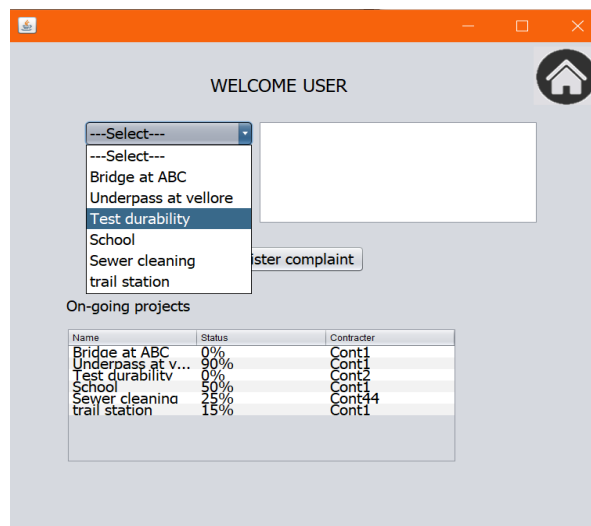
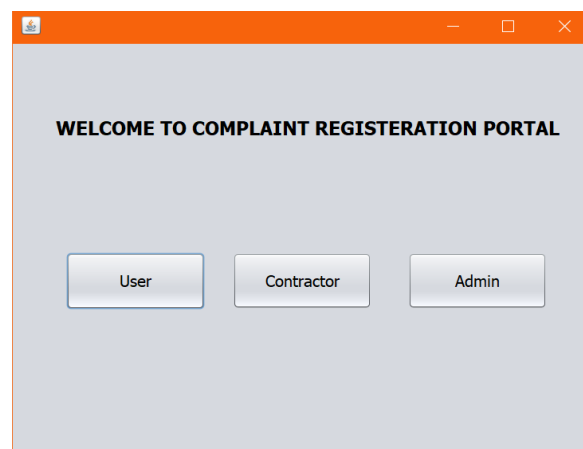
this.setVisible(false);

    }

}

```

Screenshots:



Contractor Login

Contractor_ID:

Password:

LOGIN

SIGN UP

Logout

Welcome Cont1

Registered projects:

--Select--
--Select--
Bridge at ABC
Underpass at vellore
School
trail station

Complaints:

On-Hold
Manage bookings

Update Status

Register New Project

Register New Project

Name of Project:

Send Request

Back

Register New Project

Message

i

Project Requested ..wait for approval

OK

Send request

Back

Update Status

Project: School

Status: %

Update

Back


Admin Login

User Id Admin

Password:

LOGIN

Welcome Admin!



View Projects

Approval

On-Going Projects

Name	Status	Contractor
Bridge at ABC	0%	Cont1
Underpass at vellore	90%	Cont1
Test durability	0%	Cont2
School	50%	Cont1
Sewer cleaning	75%	Cont44
trail station	15%	Cont1

Back

Pending Approval

Projects:

Supply syrin...

Contractor: Cont2

Reject

Approve

Back