



MEDICAL RECORD MANAGEMENT SYSTEM

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Class:- XII

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Certificate

This is to certify that PRANKUR AGARWAL of class XII of Delhi Public School Ghaziabad has worked under my supervision on the project titled "**Medical Record Management System**" and has completed it to my total satisfaction.s

Signature

Mr. Mohit Saras

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Delhi Public School Ghaziabad

Acknowledgement

It gives us immense pleasure to express our sincere and deep feelings of gratitude to our Informatics teacher **Mr. MOHIT SARAS**, who has given us his invaluable moral support from time to time, and helped & co-operated with us in preparation of this Project.

I am also grateful to **My Parents** and **My Siblings** for their constant help and cooperation.

PRANKUR AGARWAL
Class -XII

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SYSTEM DESCRIPTION AT A GLANCE

Medical Record is the collection of information concerning a patient and his or her health care that is created and maintained by the organization. A Medical Record shall be maintained for every individual who is evaluated or treated as an inpatient, outpatient, or emergency patient of a hospital, clinic, or physician's office.

PROBLEM DESCRIPTION

This project can be used to establish guidelines for the contents, maintenance, and confidentiality of patient Medical Record. As it is very difficult to record all the data manually in a register and do operations in it, this project makes all these processes easy. As today the world is becoming more computerized, this project meets the demand of the medical world.

SYSTEM REQUIREMENT

- Windows 7
- Processor: Intel i5
- Installed memory: 4 Gb
- Java Development Kit 8
- NetBeans 8.0
- MySQL 5.1
- MySQL JDBC Driver

DATABASE DESIGN

```
drop database mrproject;
create database mrproject;
use mrproject;
```

```
create table user(
First_Name varchar(30) not null,
Last_Name varchar(30) not null,
DOB date not null,
Username varchar(50) primary key,
Password varchar(16) not null
);
insert into user values ('Admin','Agarwal','2014/07/04','admin','password');
```

```
create table patient(
pno int primary key auto_increment,
p_name varchar(35) not null,
b_gp varchar(3) not null,
age int(3),
gender varchar(6) not null,
mobilen no varchar(10),
rel_name varchar(35) not null,
father_name varchar(35),
address varchar(50),
disease varchar(20),
entry_date date
);
insert into patient
(p_name,b_gp,age,gender,mobilen no,rel_name,father_name,address,disease,entry_date)
values ("Vasu Agarwal","O+",17,"male","9877876565","abc","xyz","Shastri
nagar","heart",'2013-02-05');
```

```
create table doctor(
dno int primary key auto_increment,
d_name varchar(35),
edu varchar(25),
specialization varchar(20),
charge int(3)
);
insert into doctor (d_name,edu,specialization,charge) values ("Aman
Kapoor","MBBS","heart",1500);
```

```
create table prescription(
pid int primary key auto_increment,
```



```

pno int(11) references patient(pno),
dno int(11) references doctor(dno),
pric varchar(100),
visitno int(3),
pricp_date date,
days int(3) not null,
cost int(5),
reference int
);
insert into prescription (pno,dno,pric,visitno,pricp_date,days,cost,reference) values
(1,1,"rest",1,'2013-02-05',5,6000,null);

```

```

create table invoice(
inno int primary key auto_increment,
pid int(11) references prescription(pid),
pno int(11) references patient(pno),
dno int(11) references doctor(dno),
bill_date date,
amount int(5),
modepay varchar(11)
)
auto_increment=1000000;

```

DATABASE EXPLANATION

- Table 1: Signup/Login Table
- Table 2: Patient Table
- Table 3: Doctor Table
- Table 4: Prescription Table
- Table 5: Invoice Table

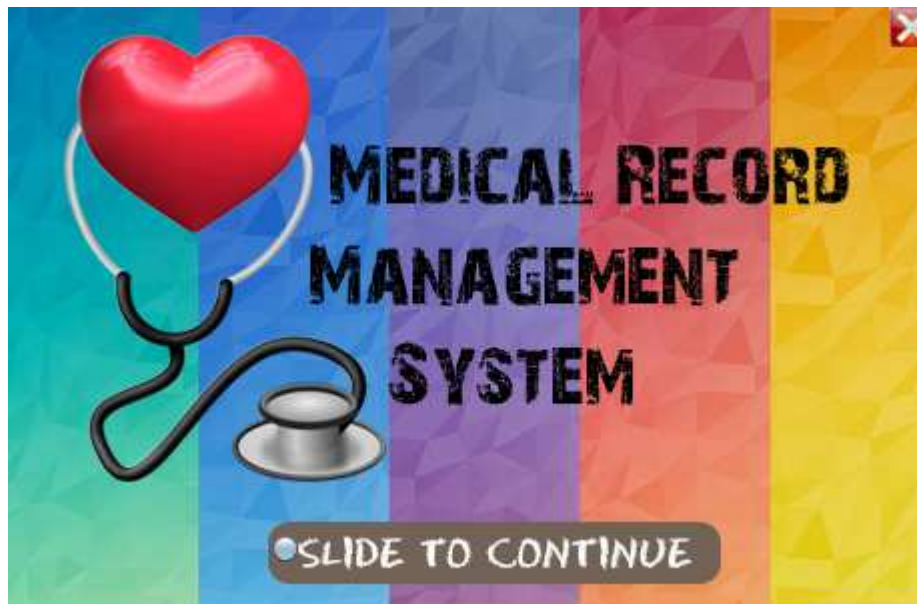
DESIGN-VIEW, CODING, RUN-VIEW

Logo



```
private void formWindowOpened(java.awt.event.WindowEvent evt) {  
    this.setBackground(new Color(0,0,0,0));  
    try{  
        Thread.sleep(2500);  
        new Slide_Continue().setVisible(true);  
        this.dispose();  
    }  
    catch(Exception e){  
    }  
}
```

Slide To Continue



```
private void jSlider1MouseReleased(java.awt.event.MouseEvent evt) {  
    int i = jSlider1.getValue();  
    if(i>75){  
        new Options().setVisible(true);  
        this.dispose();  
    }else{  
        jSlider1.setValue(0);  
    }  
}  
private void formWindowOpened(java.awt.event.WindowEvent evt) {  
    this.setBackground( new Color(0,0,0,0));  
}  
private void jLabel6MouseReleased(java.awt.event.MouseEvent evt) {  
    System.exit(0);  
}
```

Options



```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    new Login().setVisible(true);  
    this.dispose();  
}  
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    new New_User().setVisible(true);  
    this.dispose();  
}  
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    new Slide_Continue().setVisible(true);  
    this.dispose();  
}  
private void formWindowOpened(java.awt.event.WindowEvent evt) {  
    this.setBackground(new Color(0,0,0,0));  
    for(double i = 0; i<=1.0; i = i + 0.1){  
        String val = i + "F";  
        float f = Float.valueOf(val);  
        this.setOpacity(f);  
        try{  
            Thread.sleep(50);  
        }  
        catch(Exception e){  
        }  
    }  
}
```

Login



```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    new Options().setVisible(true);  
    this.dispose();  
}  
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    if(jTextField1.getText().isEmpty()){  
        JOptionPane.showMessageDialog(this, "Please enter username!");  
    }  
    else if(jPasswordField1.getText().isEmpty()){  
        JOptionPane.showMessageDialog(this, "Please enter password!");  
    }  
    else{  
        String username=jTextField1.getText();  
        String password=jPasswordField1.getText();  
        try{  
            Class.forName("java.sql.Driver");  
            Connection  
            con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"  
            ,"root","");  
            Statement stmt=(Statement)con.createStatement();  
            String query = "Select * from user where username='"+username+"' and  
            password='"+password+"'";  
            ResultSet rs=(ResultSet)stmt.executeQuery(query);  
            if(rs.first()==true){  
                String Name = rs.getString("First_Name");  
                JOptionPane.showMessageDialog(this, "Welcome " + Name);  
                new HomePage().setVisible(true);  
                this.dispose();  
            }  
            else{  
                JOptionPane.showMessageDialog(this, "Please enter a valid username or password!");  
                jTextField1.setText("");  
                jPasswordField1.setText("");  
            }  
        }  
    }
```

```

catch(Exception e){
OptionPane.showMessageDialog(this, e.getMessage());
}
}
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
}

```

New User

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
new Options().setVisible(true);
this.dispose();
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
jTextField1.setText("");
jTextField2.setText("");
jTextField3.setText("");
jPasswordField1.setText("");
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
if(jTextField1.getText().isEmpty() || jTextField2.getText().isEmpty()
|| jTextField3.getText().isEmpty() || jPasswordField1.getText().isEmpty() ||
jComboBox1.getSelectedIndex() == 0 || jComboBox2.getSelectedIndex() == 0 ||
jComboBox3.getSelectedIndex() == 0){
if(jTextField1.getText().isEmpty()){
OptionPane.showMessageDialog(this, "Please enter you First Name!");
}
if(jTextField2.getText().isEmpty()){
OptionPane.showMessageDialog(this, "Please enter Last Name!");
}
}
}

```

```

}
if(jTextField3.getText().isEmpty()){
JOptionPane.showMessageDialog(this,"Please enter username!" );
}
if(jPasswordField1.getText().isEmpty()){
JOptionPane.showMessageDialog(this,"Please enter password!" );
}
if(jComboBox1.getSelectedIndex()==0){
JOptionPane.showMessageDialog(this,"Please select year!" );
}
if(jComboBox2.getSelectedIndex()==0){
JOptionPane.showMessageDialog(this,"Please select month!" );
}
if(jComboBox3.getSelectedIndex()==0){
JOptionPane.showMessageDialog(this,"Please select date!" );
}
}
else{
try{
String username=jTextField3.getText();
Class.forName("java.sql.DriverManager");
Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject","root"
,"");
Statement stmt = (Statement)con.createStatement();
String query = "Select * from user where username='"+username+"'";
ResultSet rs=(ResultSet)stmt.executeQuery(query);
if(rs.first()){
JOptionPane.showMessageDialog(this, "This username already exists. Please try again!");
jTextField3.setText("");
jPasswordField1.setText("");
}
else{
try{
Class.forName("java.sql.DriverManager");
Connection conn =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject","root"
,"");
Statement stamt = (Statement)con.createStatement();
String fname = jTextField1.getText();
String lname = jTextField2.getText();
String user_name = jTextField3.getText();
String password=jPasswordField1.getText();
String year=(String)jComboBox1.getSelectedItem();
String month=(String)jComboBox2.getSelectedItem();
String day=(String)jComboBox3.getSelectedItem();

```

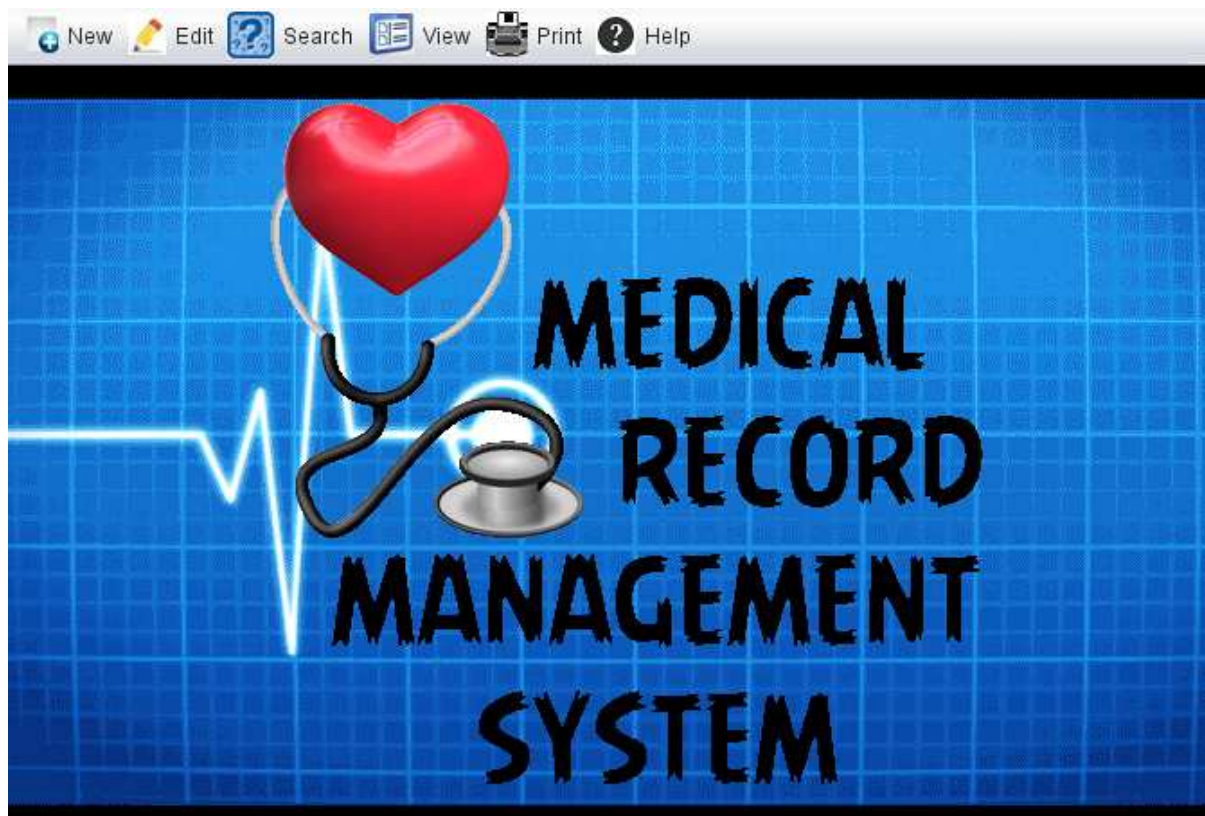


```

String date = year + "/" + month + "/" + day;
String query1 = "Insert into user
values('"+fname+"','"+lname+"','"+date+"','"+user_name+"','"+password+"')";
stmt.executeUpdate(query1);
JOptionPane.showMessageDialog(this, "New user created!");
new Login().setVisible(true);
this.dispose();
jTextField1.setText("");
jTextField2.setText("");
jTextField3.setText("");
jPasswordField1.setText("");
jComboBox1.setSelectedIndex(0);
jComboBox2.setSelectedIndex(0);
jComboBox3.setSelectedIndex(0);
}
catch (Exception e) {
JOptionPane.showMessageDialog(this, e.getMessage());
}
}
}
catch (Exception e) {
JOptionPane.showMessageDialog(this, e.getMessage());
}
}
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
}

```


HomePage



```
private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {  
    new New_Patient().setVisible(true);  
    this.dispose();  
}  
private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {  
    new New_Prescription().setVisible(true);  
    this.dispose();  
}  
private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {  
    new New_Bill().setVisible(true);  
    this.dispose();  
}  
private void jMenuItem4ActionPerformed(java.awt.event.ActionEvent evt) {  
    new New_Doctor().setVisible(true);  
    this.dispose();  
}  
private void jMenuItem5ActionPerformed(java.awt.event.ActionEvent evt) {  
    int confirm = JOptionPane.showConfirmDialog(this, "Are you sure you want to exit?");  
    if (confirm == 0) {  
        System.exit(0);  
    }  
}
```

```

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {
this.dispose();
}
private void jMenuItem6ActionPerformed(java.awt.event.ActionEvent evt) {
new Doctor_Update().setVisible(true);
this.dispose();
}
private void jMenuItem7ActionPerformed(java.awt.event.ActionEvent evt) {
new Doctor_Delete().setVisible(true);
this.dispose();
}
private void jMenuItem8ActionPerformed(java.awt.event.ActionEvent evt) {
new Search_Patient().setVisible(true);
this.dispose();
}
private void jMenuItem9ActionPerformed(java.awt.event.ActionEvent evt) {
new Search_Prescription().setVisible(true);
this.dispose();
}
private void jMenuItem10ActionPerformed(java.awt.event.ActionEvent evt) {
new Search_Bill().setVisible(true);
this.dispose();
}
private void jMenuItem11ActionPerformed(java.awt.event.ActionEvent evt) {
new Search_Doctor().setVisible(true);
this.dispose();
}
private void jMenuItem12ActionPerformed(java.awt.event.ActionEvent evt) {
new View_Patient().setVisible(true);
this.dispose();
}
private void jMenuItem13ActionPerformed(java.awt.event.ActionEvent evt) {
new View_Prescription().setVisible(true);
this.dispose();
}
private void jMenuItem14ActionPerformed(java.awt.event.ActionEvent evt) {
new View_Bill().setVisible(true);
this.dispose();
}
private void jMenuItem15ActionPerformed(java.awt.event.ActionEvent evt) {
new View_Doctor().setVisible(true);
this.dispose();
}
private void jMenuItem16ActionPerformed(java.awt.event.ActionEvent evt) {
new Print_Prescription().setVisible(true);
this.dispose(); }

```

```

private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0, 0, 0, 0));
}
private void jMenuItem18ActionPerformed(java.awt.event.ActionEvent evt) {
new Logout().setVisible(true);
this.dispose();
}
private void jMenuItem17ActionPerformed(java.awt.event.ActionEvent evt) {
new About_us().setVisible(true);
this.dispose();
}
private void jMenuItem19ActionPerformed(java.awt.event.ActionEvent evt) {
new Report().setVisible(true);
this.dispose();
}
}

```

Logout



```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
System.exit(0);
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
new Login().setVisible(true);
this.dispose();
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
}
}

```

View Prescription



```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    jTable1.setEnabled(false);
    DefaultTableModel table = (DefaultTableModel) jTable1.getModel();
    try {
        Class.forName("java.sql.DriverManager");
        Connection
        con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
        ,"root","");
        Statement s = (Statement) con.createStatement();
        String q = "SELECT * FROM prescription;";
        ResultSet rs = s.executeQuery(q);
        if(rs.next())
        { rs.previous();
        while(rs.next()) {
            String pid = rs.getString("pid");
            String pno = rs.getString("pno");
            String dno = rs.getString("dno");
            String visitno = rs.getString("visitno");
            String pricp_date = rs.getString("pricp_date");
            String days = rs.getString("days");
            String cost = rs.getString("cost");
            table.addRow(new Object[] {pid,pno,dno,visitno,pricp_date,days,cost});
        }
        jButton1.setEnabled(false);
    }
    else
    {
        JOptionPane.showMessageDialog(this,"No record found...");
    }
    } catch (Exception e) { JOptionPane.showMessageDialog(this,e.getMessage()); }
}
```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    new HomePage().setVisible(true);
    this.dispose();
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
    this.setBackground(new Color(0,0,0,0));
}

```

View Doctor



```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    DefaultTableModel table= (DefaultTableModel)jTable1.getModel();
    try {
        Class.forName("java.sql.DriverManager");
        Connection
        con= (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
        ,"root","");
        Statement s = (Statement) con.createStatement();
        String q="SELECT * FROM doctor;";
        ResultSet rs=s.executeQuery(q);
        if(rs.next())
        { rs.previous();
        while(rs.next()) {
            String dno=rs.getString("dno");    String d_name=rs.getString("d_name");
            String edu=rs.getString("edu");    String spe=rs.getString("specialization");
            String charge=rs.getString("charge");
            table.addRow(new Object[] {dno,d_name,edu,spe,charge});
        }
        jButton1.setEnabled(false);
    }
    else
    {
        JOptionPane.showMessageDialog(this,"No record found...");
    }
}

```

```

}
} catch (Exception e) { JOptionPane.showMessageDialog(this,e.getMessage()); }
}
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
new HomePage().setVisible(true);
this.dispose();
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
}
}

```

View Patient



```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
new HomePage().setVisible(true);
this.dispose();
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
jTable1.setEnabled(false);
DefaultTableModel table= (DefaultTableModel) jTable1.getModel();
try {
Class.forName("java.sql.DriverManager");
Connection
con= (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");
Statement s = (Statement) con.createStatement();
String q="SELECT * FROM patient;";
ResultSet rs=s.executeQuery(q);
if(rs.next())
{ rs.previous();
while(rs.next()) {
String pno=rs.getString("pno");
String p_name=rs.getString("p_name");
String b_gp=rs.getString("b_gp");

```

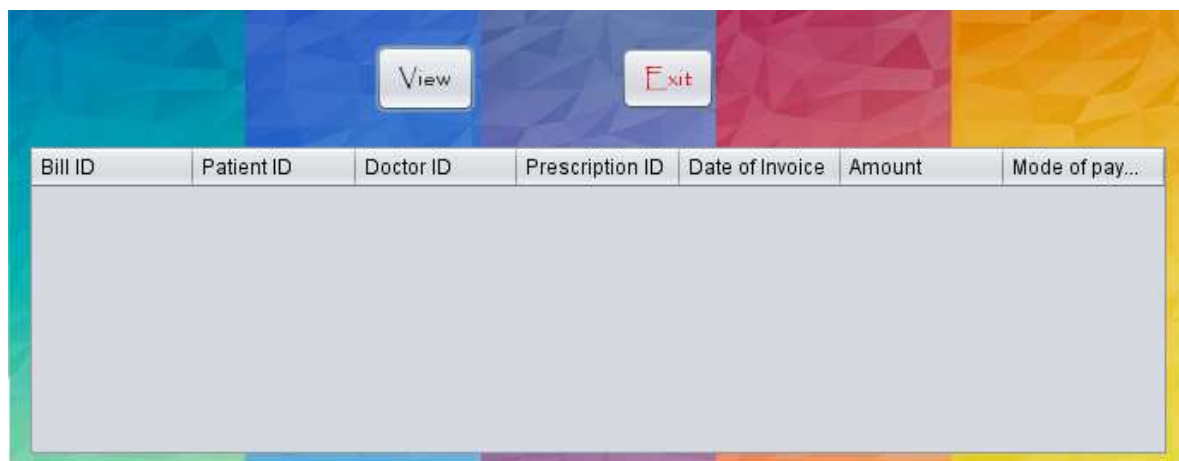


```

String age=rs.getString("age") ;
String gender=rs.getString("gender");
String mobileno=rs.getString("mobileno");
String rel_name=rs.getString("rel_name");
String father_name=rs.getString("father_name");
String address=rs.getString("address");
String disease=rs.getString("disease") ;
String en=rs.getString("entry_date");
table.addRow(new Object[]
{pno,p_name,b_gp,age,gender,mobileno,rel_name,father_name,address,disease,en});
jButton1.setEnabled(false);
}
}
else
{
JOptionPane.showMessageDialog(this,"No record found...");
}
} catch(Exception e) {JOptionPane.showMessageDialog(this,e.getMessage());}
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
}

```

View Bill



```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
jTable1.setEnabled(false);
DefaultTableModel table=(DefaultTableModel)jTable1.getModel();
try {
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");

```

```

Statement s = (Statement) con.createStatement();
String q="SELECT * FROM invoice;";
ResultSet rs=s.executeQuery(q);
if(rs.next())
{ rs.previous();
while(rs.next()) {
String inn=rs.getString("inno");
String dno=rs.getString("dno");    String pid=rs.getString("pid");
String pno=rs.getString("pno");    String mode=rs.getString("modepay");
String amount=rs.getString("amount"); String date=rs.getString("bill_date");
table.addRow(new Object[] {inn,pno,dno,pid,date,amount,mode});
jButton1.setEnabled(false);
}
}
else
{
JOptionPane.showMessageDialog(this,"No record found...");
}
} catch (Exception e) {JOptionPane.showMessageDialog(this,e.getMessage()); }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
new HomePage().setVisible(true);
this.dispose();
}

private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
}

```


Search Prescription

Enter Prescription ID:

Previous Prescription Number:

Patient's ID:

Doctor's ID:

Number of days of Prescription:

Date of Prescription:

Cost:

Visit Number:

Prescription:

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    if(jTextField1.getText().isEmpty())  
    {  
        JOptionPane.showMessageDialog(this,"Please enter the Prescription ID...");  
    }  
    else  
    {  
        try{  
            Class.forName("java.sql.DriverManager");  
            Connection  
            con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"  
            ,"root","");  
            Statement s =(Statement) con.createStatement();  
            String pricid=jTextField1.getText();  
            String q="SELECT * FROM prescription WHERE pid='"+pricid+"'";
```

```

ResultSet rs=s.executeQuery(q);
if(rs.next())
{
jTextArea1.append(rs.getString("prio"));
jTextField4.setText(rs.getString("days"));
jTextField5.setText(rs.getString("reference"));
jTextField2.setText(rs.getString("pno"));
jTextField3.setText(rs.getString("dno"));
jTextField6.setText(rs.getString("priop_date"));
jTextField7.setText(rs.getString("cost"));
jTextField8.setText(rs.getString("visitno"));
jTextField1.setEnabled(false);
jButton1.setEnabled(false);
}
else
{
JOptionPane.showMessageDialog(this,"No Record found...");
jTextField1.setText("");
}
} catch (Exception e) {
JOptionPane.showMessageDialog(this, e.getMessage());
}
}
}

private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))
{
JOptionPane.showMessageDialog(this, "Please enter the correct prescription ID.");
evt.consume();
}
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
new HomePage().setVisible(true);
this.dispose();
}

private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
}
}

```

Search Patient

Enter the Patient ID:

Name:

Age:

Gender: ☐ Male ☐ Female

Blood Group:

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    new HomePage().setVisible(true);  
    this.dispose();  
}  
private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {  
    char kc=evt.getKeyChar();  
    if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))  
    {  
        JOptionPane.showMessageDialog(this, "Please enter the correct Patient ID.");  
        evt.consume();  
    }  
}  
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    if(jTextField1.getText().isEmpty())  
    {  
        JOptionPane.showMessageDialog(this, "Please enter a Patient's ID.");  
    }  
    else  
    {  
        int a=Integer.parseInt(jTextField1.getText());  
        try{  
            Class.forName("java.sql.DriverManager");  
            Connection  
            con= (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"  
            ,"root","");
```

```

Statement s = (Statement) con.createStatement();
String q = "SELECT * FROM patient WHERE pno = " + a + ";";
ResultSet rs = s.executeQuery(q);
if(rs.first())
{
jButton2.setVisible(true);
jTextField1.setEditable(false);
jTextField2.setText(rs.getString("p_name"));
jTextField3.setText(rs.getString("age"));
String gen = rs.getString("gender");
if(gen.equals("male"))
{
jRadioButton1.setSelected(true);
}
else if(gen.equals("female"))
{
jRadioButton2.setSelected(true);
}
String bgp = rs.getString("b_gp");
if(bgp.equals("A+"))
{jComboBox5.setSelectedIndex(1);}
else if(bgp.equals("B+"))
{jComboBox5.setSelectedIndex(2);}
else if(bgp.equals("O+"))
{jComboBox5.setSelectedIndex(3);}
else if(bgp.equals("AB+"))
{jComboBox5.setSelectedIndex(4);}
else if(bgp.equals("A-"))
{jComboBox5.setSelectedIndex(5);}
else if(bgp.equals("B-"))
{jComboBox5.setSelectedIndex(6);}
else if(bgp.equals("O-"))
{jComboBox5.setSelectedIndex(7);}
else if(bgp.equals("AB-"))
{jComboBox5.setSelectedIndex(8);}
}
else
{
JOptionPane.showMessageDialog(this, "No Record Found...");
jTextField1.setText("");
}
}
catch (Exception e)
{
JOptionPane.showMessageDialog(this, e.getMessage());
}
}

```

```

}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
String c=jTextField1.getText();
new Search_Patient2(c).setVisible(true);
this.dispose();
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
jButton2.setVisible(false);
this.setBackground(new Color(0,0,0,0));
}
}

```

Search Prescription 2

Patient's Information	
Patient's ID	<input type="text"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female
Blood Group	<input type="text" value="NONE"/>
Name	<input type="text"/>
Age	<input type="text"/> as on Date
Disease	<input type="text"/>
Address	<input type="text"/>
Mobile Number	<input type="text"/>
Doctor Incharge's Information	
Doctor's ID	<input type="text"/>
Name	<input type="text"/>
Prescription and Bill	
Prescription ID	<input type="text"/>
Date of Prescription	<input type="text"/>
Reference to Previous Prescription	<input type="text"/>
Bill Number	<input type="text"/>
Bill Amount	<input type="text"/>
Mode of Payment	<input type="text"/>
Date of Billing	<input type="text"/>
Prescription	<input type="text"/>
Visit Number	<input type="text"/>
<input type="button" value="Close"/>	

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
new HomePage().setVisible(true);
}
}

```

```

this.dispose();
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
try{
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");
Statement s =(Statement) con.createStatement();
String q="SELECT * FROM patient WHERE pno='"+value+"'";
ResultSet rs=s.executeQuery(q);
if(rs.next())
{
String b=rs.getString("b_gp");
jTextField1.setText(rs.getString("p_name"));
jTextField2.setText(rs.getString("age"));
jLabel8.setText(rs.getString("entry_date"));
if(rs.getString("gender").equals("male"))
{jRadioButton1.setSelected(true);}
else
{jRadioButton2.setSelected(true);}
while(b.equals(jComboBox1.getSelectedItem()))
{ int a=jComboBox1.getSelectedIndex();
jComboBox1.setSelectedIndex(a+1); }
jTextField6.setText(value);
jTextArea1.append(rs.getString("address"));
jTextField3.setText(rs.getString("disease"));
jTextField4.setText(rs.getString("mobilen0"));
String q1="SELECT MAX(pid) FROM prescription WHERE pno='"+value+"'";
ResultSet rs1=s.executeQuery(q1);
if(rs1.next())
{ String var=rs1.getString("MAX(pid)");
String q11="SELECT * FROM prescription WHERE pid='"+var+"'";
ResultSet rs11=s.executeQuery(q11);
if(rs11.next())
{ jTextArea2.append(rs11.getString("prio"));
jTextField8.setText(rs11.getString("pid"));
jTextField9.setText(rs11.getString("pricp_date"));
jTextField14.setText(rs11.getString("visitno"));
jTextField5.setText(rs11.getString("dno"));
jTextField15.setText(rs11.getString("reference"));
String q3="SELECT d_name FROM doctor WHERE
dno='"+rs11.getString("dno")+"'";
ResultSet rs3=s.executeQuery(q3);
if(rs3.next())

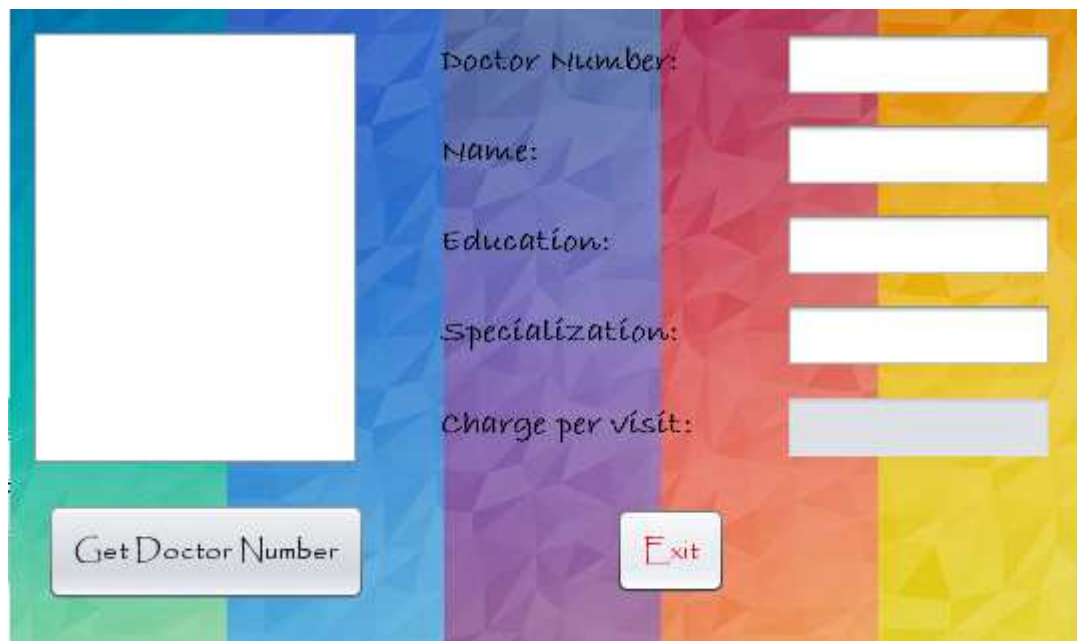
```

```

{ jTextField7.setText(rs3.getString("d_name"));
}
String q2="SELECT * FROM invoice WHERE pno='"+value+"'";
ResultSet rs2=s.executeQuery(q2);
if(rs2.next())
{ jTextField10.setText(rs2.getString("inno"));
jTextField11.setText(rs2.getString("amount"));
jTextField12.setText(rs2.getString("modepay"));
jTextField13.setText(rs2.getString("bill_date"));
}
else
{
JOptionPane.showMessageDialog(this,"Bill not Paid yet!..");
}}
else
{
JOptionPane.showMessageDialog(this,"No Prescription found...");
}
//first patient then prescription then invoice then doctor
}
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this, e.getMessage());
}
}

```


Search Doctor



```
private void jList1MouseClicked(java.awt.event.MouseEvent evt) {  
    if(jList1.getSelectedIndex() < 0) {  
        JOptionPane.showMessageDialog(this, "Please select a doctor number.");  
    } else {  
        try {  
            Class.forName("java.sql.DriverManager");  
            Connection  
            con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"  
                , "root", "");  
            Statement s = (Statement) con.createStatement();  
            String dno = (String) jList1.getSelectedValue();  
            String q1 = "SELECT dno, d_name, edu, specialization, charge FROM doctor WHERE  
                dno='" + dno + "'";  
            ResultSet rs = s.executeQuery(q1);  
            if(rs.next()) {  
                jTextField5.setText(rs.getString("charge"));  
                jTextField1.setText(rs.getString("dno"));  
                jTextField2.setText(rs.getString("d_name"));  
                jTextField3.setText(rs.getString("edu"));  
                jTextField4.setText(rs.getString("specialization"));  
                jTextField5.setText(rs.getString("charge"));  
            }  
        } catch (Exception ae) {  
            JOptionPane.showMessageDialog(this, ae.getMessage());  
        }  
    }  
}
```



```

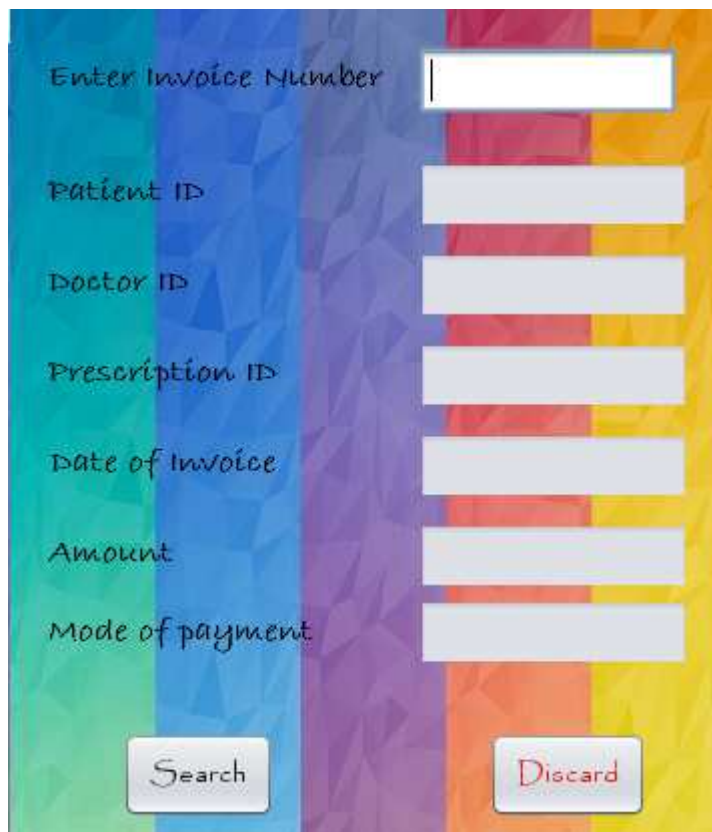
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    jButton1.setEnabled(false);
    DefaultListModel list = (DefaultListModel)jList1.getModel();
    try{
        Class.forName("java.sql.DriverManager");
        Connection
        con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
        ,"root","");
        Statement s =(Statement) con.createStatement();
        String q="SELECT dno FROM doctor ";
        ResultSet rs=s.executeQuery(q);
        if(rs.next())
        { rs.previous();
        while(rs.next()) {
            String dno =rs.getString("dno");
            list.addElement(dno);
        }
        }
        else
        {
            JOptionPane.showMessageDialog(this,"No record found...");
            jButton1.setVisible(true);
        }
    } catch (Exception ea) {
        JOptionPane.showMessageDialog(this, ea.getMessage());
    }
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    new HomePage().setVisible(true);
    this.dispose();
}

private void formWindowOpened(java.awt.event.WindowEvent evt) {
    this.setBackground(new Color(0,0,0,0));
}

```

Search Bill



Enter Invoice Number

Patient ID

Doctor ID

Prescription ID

Date of Invoice

Amount

Mode of payment

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    new HomePage().setVisible(true);  
    this.dispose();  
}  
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    if(jTextField1.getText().isEmpty()) {  
        JOptionPane.showMessageDialog(this, "Please enter the Invoice Number.");  
    } else {  
        try {  
            String inno = (String) jTextField1.getText();  
            Class.forName("java.sql.DriverManager");  
            Connection  
            con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"  
                , "root", "");  
            Statement s = (Statement) con.createStatement();  
            String q = "SELECT * FROM invoice WHERE inno = " + inno + ";";  
            ResultSet rs = s.executeQuery(q);  
            if(rs.next()) {  
                jTextField2.setText(rs.getString("pno"));  
                jTextField3.setText(rs.getString("dno"));  
                jTextField4.setText(rs.getString("dno"));  
                jTextField5.setText(rs.getString("bill_date"));  
            }  
        }  
    }  
}
```

```

jTextField6.setText(rs.getString("amount"));
jTextField7.setText(rs.getString("modepay"));
jButton1.setEnabled(false);
jTextField1.setEditable(false);
}
else
{
jButton1.setEnabled(true);
JOptionPane.showMessageDialog(this,"No record found.");
jTextField1.setText("");
}
} catch (Exception e) {
JOptionPane.showMessageDialog(this, e.getMessage()); }
}
}
private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))
{
JOptionPane.showMessageDialog(this, "Please enter the correct Invoice Number.");
evt.consume();
}
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
}
}

```

Print Prescription

Enter Prescription ID:

Name of Patient:

Age:

Number of days of Prescription:

Prescription:

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    try{  
        Class.forName("java.sql.DriverManager");  
        Connection  
        con= (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"  
        ,"root","");  
        Statement s = (Statement) con.createStatement();  
        String pricid=jTextField1.getText();  
        String q="SELECT * FROM prescription WHERE pid='"+pricid+"'";  
        ResultSet rs=s.executeQuery(q);  
        if(rs.next())  
        {  
            String pno=rs.getString("pno");  
            String days=rs.getString("days");  
            String pric=rs.getString("pric");  
            String q1="SELECT * FROM patient WHERE pno='"+pno+"'";  
            ResultSet rs1=s.executeQuery(q1);  
            if(rs1.next())  
            {  
                String p_name =rs1.getString("p_name");  
                String age=rs1.getString("age");  
                new Print_Prescription2(p_name,age,days,pric).setVisible(true);  
                this.dispose();  
            }  
        }  
    }  
}
```

```

}
}
}
catch (Exception e)
{
JOptionPane.showMessageDialog(this, e.getMessage());
}
}
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
new HomePage().setVisible(true);
this.dispose();
}
private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))
{
JOptionPane.showMessageDialog(this, "Please enter the correct Prescription ID.");
evt.consume();
}
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
if(jTextField1.getText().isEmpty())
{
JOptionPane.showMessageDialog(this, "Please enter the Prescription ID...");
jLabel6.setVisible(true);
}
else
{
jLabel6.setVisible(false);
try{
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");
Statement s =(Statement)con.createStatement();
String pricid=jTextField1.getText();
String q="SELECT * FROM prescription WHERE pid='"+pricid+"'";
ResultSet rs=s.executeQuery(q);
if(rs.next())
{
String pno=rs.getString("pno");
jTextField4.setText(rs.getString("days"));
jTextArea1.setText(rs.getString("pric"));
String q1="SELECT * FROM patient WHERE pno='"+pno+"'";
ResultSet rs1=s.executeQuery(q1);
if(rs1.next())
{

```

```

jTextField2.setText(rs1.getString("p_name"));
jTextField3.setText(rs1.getString("age"));
}
jButton1.setEnabled(false);
jTextField1.setEditable(false);
}
else
{jTextField1.setText("");
JOptionPane.showMessageDialog(this,"No record found...");
}

}
catch(Exception e)
{
JOptionPane.showMessageDialog(this, e.getMessage());
}
}
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
jLabel6.setVisible(false);
}

```

Print Prescription 2

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
jTextArea1.setText("");
jTextField2.setText("");
}

```

```

jTextField3.setText("");
jTextField4.setText("");
JOptionPane.showMessageDialog(this,"Pricsription Printed Sucessfully...");
new HomePage().setVisible(true);
this.dispose();
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
jTextField2.setText(p_name1);
jTextField3.setText(age1);
jTextField4.setText(days1);
jTextArea1.append(pric1);
}

```

New Prescription

```

private void jTextField4KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();

```

```

if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE))) {
JOptionPane.showMessageDialog(this, "Please enter the Total Days of Prescription.");
evt.consume();
}
}

private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE))) {
JOptionPane.showMessageDialog(this, "Please enter the correct Doctor's ID.");
evt.consume();
}
}

private void jTextField5KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE))) {
JOptionPane.showMessageDialog(this, "Please enter the correct Cost.");
evt.consume();
}
}

private void jTextField3KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE))) {
JOptionPane.showMessageDialog(this, "Please enter the correct Visit Number.");
evt.consume();
}
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
Calendar c=Calendar.getInstance();
int cur_year=c.get(Calendar.YEAR);
int cur_month=c.get(Calendar.MONTH)+1;
int cur_day=c.get(Calendar.DAY_OF_MONTH);
String cm,cd;
if (cur_month<10) {
cm=""+"0"+cur_month; } else{ cm="" +cur_month; }
if(cur_day<10)
{ cd=""+"0"+cur_day; } else { cd="" +cur_day;}
String date=cur_year+cm+cd;
if(jTextField1.getText().isEmpty() || jTextField1.getText().isEmpty() || jTextField2.getText().isEmpty()
|| jTextField3.getText().isEmpty() || jTextField4.getText().isEmpty() || jTextField5.getText().isEmpty()) {
if(jTextField1.getText().isEmpty()) {

```



```

jLabel7.setVisible(true);}
if(jTextField2.getText().isEmpty()) {
jLabel8.setVisible(true);}
if(jTextField3.getText().isEmpty()) {
jLabel9.setVisible(true);}
if(jTextField4.getText().isEmpty()) {
jLabel10.setVisible(true);}
if(jTextField5.getText().isEmpty()) {
jLabel11.setVisible(true);}
if(jTextArea1.getText().isEmpty()) {
jLabel12.setVisible(true);}
JOptionPane.showMessageDialog(this,"Plase enter the indicated values.");
}
else
if(jTextField1.getText().equals("0") || jTextField2.getText().equals("0") || jTextField3.getTe
xt().equals("0") || jTextField4.getText().equals("0") || jTextField5.getText().equals("0") || j
TextArea1.getText().equals("0")) {
if(jTextField1.getText().equals("0")) {
jLabel7.setVisible(true);
jTextField1.setText("");}
if(jTextField2.getText().equals("0")) {
jLabel8.setVisible(true);
jTextField2.setText("");}
if(jTextField3.getText().equals("0")) {
jLabel9.setVisible(true);
jTextField3.setText("");}
if(jTextField4.getText().equals("0")) {
jLabel10.setVisible(true);
jTextField4.setText("");}
if(jTextField5.getText().equals("0")) {
jLabel11.setVisible(true);
jTextField5.setText("");}
if(jTextField6.getText().equals("0")) {
jLabel14.setVisible(true);
jTextField6.setText("");}
if(jTextArea1.getText().equals("0")) {
jLabel12.setVisible(true);}
JOptionPane.showMessageDialog(this,"Please enter the indicated information.");
}
else
if(jTextField1.getText().startsWith("0") || jTextField2.getText().startsWith("0") || jTextField
d3.getText().startsWith("0") || jTextField4.getText().startsWith("0") || jTextField5.getText
().startsWith("0")/* || jTextField6.getText().startsWith("0")*/) {
if(jTextField1.getText().startsWith("0")) {
jTextField1.setText("");
jLabel7.setVisible(true);}

```

```

if(jTextField2.getText().startsWith("0")) {
    jTextField2.setText("");
    jLabel8.setVisible(true);}
if(jTextField3.getText().startsWith("0")) {
    jTextField3.setText("");
    jLabel9.setVisible(true);}
if(jTextField4.getText().startsWith("0")) {
    jTextField4.setText("");
    jLabel10.setVisible(true);}
if(jTextField5.getText().startsWith("0")) {
    jTextField5.setText("");
    jLabel11.setVisible(true);}
if(jTextField6.getText().startsWith("0")) {
    jTextField6.setText("");
    jLabel14.setVisible(true);}
OptionPane.showMessageDialog(this,"Please enter the selected value(s) again with no '0'
in the begining.");
}
else if(Integer.parseInt(jTextField3.getText())==1&&!jTextField6.getText().isEmpty()) {
OptionPane.showMessageDialog(this,"Please press insert again.");
jTextField6.setText("");
}
else if(Integer.parseInt(jTextField3.getText())!=1&&jTextField6.getText().isEmpty()) {
OptionPane.showMessageDialog(this,"Please enter selected value.");
jLabel14.setVisible(true);}
else if(Integer.parseInt(jTextField4.getText())>45)
{
OptionPane.showMessageDialog(this,"Please don't give prescription for such a long
time.");
jTextField4.setText("");
}
else
{
jLabel7.setVisible(false);
jLabel8.setVisible(false);
jLabel9.setVisible(false);
jLabel10.setVisible(false);
jLabel11.setVisible(false);
jLabel12.setVisible(false);
jLabel14.setVisible(false);
int confirm=OptionPane.showConfirmDialog(this,"Do you want to make an
entry?","Confirm Details",OptionPane.YES_NO_OPTION);
if(confirm==0) {
try
{

```

```

Class.forName("java.sql.DriverManager");
Connection
conn= (Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject",
"root","");
Statement s=conn.createStatement();
String pno=jTextField1.getText();
String dno=jTextField2.getText();
String vno=jTextField3.getText();
String nod=jTextField4.getText();
String cost=jTextField5.getText();
String pres=jTextArea1.getText();
String ref=jTextField6.getText();
int vnoi = Integer.parseInt(vno);
int pnoi= Integer.parseInt(pno);
int dnoi= Integer.parseInt(dno);
String patientcheck="SELECT MAX(pno) FROM patient;";
ResultSet patientcheckrs=s.executeQuery(patientcheck);
if(patientcheckrs.next())
{
if(Integer.parseInt(pno)>Integer.parseInt(patientcheckrs.getString("MAX(pno)")))
{ JOptionPane.showMessageDialog(this,"ERROR: \n No patient ID Found in the record.");
jTextField1.setText("");
jLabel7.setVisible(true);
}
else
{
String doccheck="SELECT MAX(dno) FROM doctor;";
ResultSet doccheckrs=s.executeQuery(doccheck);
if(doccheckrs.next())
{
if(Integer.parseInt(dno)> Integer.parseInt(doccheckrs.getString("MAX(dno)")))
{
JOptionPane.showMessageDialog(this,"ERROR: \n No Doctor with such ID Found in the
record.");
jTextField2.setText("");
jLabel8.setVisible(true);
}
else
{
if(!jTextField6.getText().isEmpty())
{ String refi=jTextField6.getText();
String check="SELECT pno,dno,MAX(visitno) FROM prescription WHERE
pid='"+refi+"'";
ResultSet rscheck=s.executeQuery(check);
if(rscheck.next())
{

```

```

int pnoi= Integer.parseInt(rscheck.getString("pno"));
int dnoi= Integer.parseInt(rscheck.getString("dno"));
int visitnoi= Integer.parseInt(rscheck.getString("MAX(visitno)"));
int visitnoin=visitnoi+1;
if((pnoi==pnoin)&&(dnoi==dnoin)&&(visitnoin==vnoi))
{
String q1="INSERT INTO prescription
(pno,dno,pric,visitno,pricp_date,days,cost,reference) VALUES
('"+pno+"','"+dno+"','"+pres+"','"+vno+"','"+date+"','"+nod+"','"+cost+"','"+ref+"');";
s.executeUpdate(q1);
String q1_get="SELECT MAX(pid) FROM prescription;";
ResultSet rsget=s.executeQuery(q1_get);
if(rsget.next()) {
String Pres_id=rsget.getString("MAX(pid)");
JOptionPane.showMessageDialog(this,"Data insertion sucessful.."+"\n The prescription's
ID is "+Pres_id);
}
new HomePage().setVisible(true);
this.dispose();
}
else
{
JOptionPane.showMessageDialog(this,"ERROR: \n The Entries Made Does not match
with that of previous Prescription ID. \n Please enter the Indicated Entries again.");
jTextField1.setText("");
jTextField2.setText("");
jTextField6.setText("");
jTextField3.setText(visitnoin+"");
jLabel7.setVisible(true);
jLabel8.setVisible(true);
jLabel14.setVisible(true);    }
}

}
else
{
String q2="INSERT INTO prescription
(pno,dno,pric,visitno,pricp_date,days,cost,reference) VALUES
('"+pno+"','"+dno+"','"+pres+"','"+vno+"','"+date+"','"+nod+"','"+cost+"',NULL);";
s.executeUpdate(q2);
String q2_get="SELECT MAX(pid) FROM prescription;";
ResultSet rsget2=s.executeQuery(q2_get);
if(rsget2.next()) {
String Pres_id=rsget2.getString("MAX(pid)");
JOptionPane.showMessageDialog(this,"Data insertion sucessful.."+"\n The prescription's
ID is "+Pres_id);
}
}

```

```

new HomePage().setVisible(true);
this.dispose();
}
}
}
else
{
JOptionPane.showMessageDialog(this,"ERROR: \n No Doctor with such ID Found in the
record.");
jTextField2.setText("");
jLabel8.setVisible(true);
}
}
}
else
{
JOptionPane.showMessageDialog(this,"ERROR: \n No patient ID Found in the record.");
jTextField1.setText("");
jLabel7.setVisible(true);
}
}
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this,"error");
JOptionPane.showMessageDialog(this,e.getMessage());
}
}
else
{
}
}
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
jLabel12.setVisible(false);
jLabel7.setVisible(false);
jLabel14.setVisible(false);
jLabel8.setVisible(false);
jLabel9.setVisible(false);
jLabel10.setVisible(false);
jLabel11.setVisible(false);
jTextField1.setText("");
jTextField2.setText("");
jTextField3.setText("");
jTextField4.setText("");
jTextField5.setText("");
jTextField6.setText("");
jTextArea1.setText("");
}

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    new HomePage().setVisible(true);
    this.dispose();
}

private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
    char kc=evt.getKeyChar();
    if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE))) {
        JOptionPane.showMessageDialog(this, "Please enter the correct Patient's ID.");
        evt.consume();
    }
}

private void formWindowOpened(java.awt.event.WindowEvent evt) {
    this.setBackground(new Color(0,0,0,0));
    jLabel12.setVisible(false);
    jLabel7.setVisible(false);
    jLabel14.setVisible(false);
    jLabel8.setVisible(false);
    jLabel9.setVisible(false);
    jLabel10.setVisible(false);
    jLabel11.setVisible(false);
}

private void jTextField6KeyTyped(java.awt.event.KeyEvent evt) {
    char kc=evt.getKeyChar();
    if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE))) {
        JOptionPane.showMessageDialog(this, "Please enter the correct reference Number.");
        evt.consume();
    }
}

```

New Patient

```
private void jTextField6KeyTyped(java.awt.event.KeyEvent evt) {
    char kc=evt.getKeyChar();
    if(!((kc>='a'&&kc<='z') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)
    || (kc>='A'&&kc<='Z') || (kc=='.')) || (kc==KeyEvent.VK_SPACE))) {
        JOptionPane.showMessageDialog(this, "Please enter the correct Name.");
        evt.consume();
    }
}

private void jTextField8KeyTyped(java.awt.event.KeyEvent evt) {
    char kc=evt.getKeyChar();
    if(!((kc>='a'&&kc<='z') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)
    || (kc>='A'&&kc<='Z') || (kc=='.')) || (kc==KeyEvent.VK_SPACE))) {
        JOptionPane.showMessageDialog(this, "Please enter the correct Name.");
        evt.consume();
    }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    new HomePage().setVisible(true);
    this.dispose();
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    Star1.setVisible(false);
    Star2.setVisible(false);
}
```

```

Star3.setVisible(false);
Star4.setVisible(false);
Star5.setVisible(false);
Star9.setVisible(false);
Star6.setVisible(false);
Star7.setVisible(false);
Star8.setVisible(false);
Star10.setVisible(false);
Calendar c=Calendar.getInstance();
int cur_year=c.get(Calendar.YEAR);
int cur_month=c.get(Calendar.MONTH)+1;
int cur_day=c.get(Calendar.DAY_OF_MONTH);
String cm,cd;
if (cur_month<10) {
cm=""+"0"+cur_month; } else{ cm="" +cur_month; }
if(cur_day<10)
{ cd=""+"0"+cur_day; } else { cd="" +cur_day;}
String date=cur_year+cm+cd;
DefaultComboBoxModel com=(DefaultComboBoxModel)jComboBox4.getModel();
DefaultComboBoxModel com1=(DefaultComboBoxModel)jComboBox5.getModel();
DefaultComboBoxModel com2=(DefaultComboBoxModel)jComboBox6.getModel();
DefaultComboBoxModel com3=(DefaultComboBoxModel)jComboBox7.getModel();
String dy= (String)jComboBox5.getSelectedItem();
int y = Integer.parseInt(dy);
int ay= cur_year-(y);
String dm= (String)jComboBox6.getSelectedItem();
int m = Integer.parseInt(dm);
int am= cur_month-(m);
String dd= (String)jComboBox7.getSelectedItem();
int d = Integer.parseInt(dd);
int ad= cur_day-(d);
int age=0;
if(am<0){
age = ay - 1;
}
else if(am>0)
{
age = ay;
}
else if(am==0){
if(ad<0){
age = ay - 1;
}
else if(ad>=0){
age = ay;
}
}

```



```

}
String final_age = String.valueOf(age);
if(jTextField1.getText().isEmpty() || jTextField2.getText().isEmpty() || jComboBox4.getSelectedIndex() == 0 ||
jTextField5.getText().isEmpty() || jTextField6.getText().isEmpty() || jTextField8.getText().isEmpty() ||
jTextField10.getText().isEmpty() || jComboBox5.getSelectedIndex() == 0 ||
jComboBox6.getSelectedIndex() == 0 || jComboBox7.getSelectedIndex() == 0 || jTextArea1.
getText().isEmpty()) {
    if(jTextField1.getText().isEmpty()) {
        Star1.setVisible(true);}
    if(jTextField2.getText().isEmpty()) {
        Star2.setVisible(true);}
    if(jComboBox4.getSelectedIndex() == 0) {
        Star3.setVisible(true);}
    if(jComboBox5.getSelectedIndex() == 0 || jComboBox6.getSelectedIndex() == 0 || jCombobox7.getSelectedIndex() == 0) {
        Star4.setVisible(true);}
    if(jTextField5.getText().isEmpty()) {
        Star5.setVisible(true);}
    if(jTextField6.getText().isEmpty()) {
        Star8.setVisible(true);}
    if(jTextField8.getText().isEmpty()) {
        Star9.setVisible(true);}
    if(jTextField10.getText().isEmpty()) {
        Star6.setVisible(true);}
    if(!jRadioButton1.isSelected() && !jRadioButton2.isSelected()) {
        Star7.setVisible(true);}
    JOptionPane.showMessageDialog(this, "Please Enter the indicated values.");
}
if(jTextArea1.getText().isEmpty()) {
    Star10.setVisible(true);}
else if(jTextField5.getText().length() != 10) {
    JOptionPane.showMessageDialog(this, "Please enter the correct mobile Number.");
    jTextField5.setText("");
}
else if(jTextField5.getText().startsWith("0"))
{
    JOptionPane.showMessageDialog(this, "Please enter the mobile number correctly.");
    jTextField5.setText("");
    Star5.setVisible(true);
}
else if(jTextField6.getText().startsWith(" ") || jTextField8.getText().startsWith(" "))
{
    if(jTextField6.getText().startsWith(" "))
    {

```

```

jTextField6.setText("");
Star8.setVisible(true);
}
else if(jTextField8.getText().startsWith(" "))
{
jTextField8.setText("");
Star9.setVisible(true);
}
JOptionPane.showMessageDialog(this,"Please enter the indicated fields properly.");
}
else {
int confirm=JOptionPane.showConfirmDialog(this,"Do you want to make an entry
?","Confirm Details",JOptionPane.YES_NO_OPTION);
if(confirm==0) {
try {
Star1.setVisible(false); Star3.setVisible(false);
Star6.setVisible(false); Star4.setVisible(false);
Star7.setVisible(false); Star5.setVisible(false);
Star8.setVisible(false); Star9.setVisible(false);
Star2.setVisible(false);
String fname=jTextField1.getText();
String sname=jTextField2.getText();
String name=fname+" "+sname;
String bg=(String) com.getSelectedItem();
String disease=jTextField10.getText();
String mobileno=jTextField5.getText();
String reln=jTextField6.getText();
String fathern=jTextField8.getText();
String add=jTextArea1.getText();
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");
Statement s =(Statement) con.createStatement();
if(JRadioButton1.isSelected()) {
String gender="male";
String q="INSERT INTO patient
(p_name,b_gp,age,gender,rel_name,father_name,address,disease,mobileno,entry_date)
VALUES (" +name+" ","+bg+" ","+final_age+" ","+gender+" ","+reln+" ","+fathern+" ","
+add+" ","+disease+" ","+mobileno+" ","+date+" );";
s.executeUpdate(q);}
else if(JRadioButton2.isSelected()) {
String gender="female";
String q="INSERT INTO patient
(p_name,b_gp,age,gender,rel_name,father_name,address,disease,mobileno,entry_date)

```

```
VALUES(""+name+","+bg+","+final_age+","+gender+","+reln+","+fathern+","+
+add+","+disease+","+mobilenr+","+date+");";
s.executeUpdate(q);}
```

```
String q1="SELECT MAX(pno) FROM patient;";
ResultSet rs1=s.executeQuery(q1);
if(rs1.next())
{
String Patient_id=rs1.getString("MAX(pno)");
JOptionPane.showMessageDialog(this,"Insertion sucessful..."+ "\n The Patient's ID is
"+Patient_id);
}
new HomePage().setVisible(true);
this.dispose();
} catch (Exception e) {JOptionPane.showMessageDialog(this, e.getMessage()); }
} else{ }
}
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
jTextArea1.setText("");
jTextField1.setText("");
buttonGroup1.clearSelection();
jComboBox4.setSelectedIndex(0);
jComboBox5.setSelectedIndex(0);
jComboBox6.setSelectedIndex(0);
jComboBox7.setSelectedIndex(0);
buttonGroup1.clearSelection();
jTextField2.setText("");
jTextField5.setText("");
jTextField6.setText("");
jTextField8.setText("");
jTextField10.setText("");
Star1.setVisible(false);
Star2.setVisible(false);
Star3.setVisible(false);
Star4.setVisible(false);
Star5.setVisible(false);
Star6.setVisible(false);
Star7.setVisible(false);
Star8.setVisible(false);
Star9.setVisible(false);
Star10.setVisible(false);
}
private void jTextField10KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
```

```

if(!((kc>='a'&&kc<='z') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE))) {
JOptionPane.showMessageDialog(this, "Please enter the disease.");
evt.consume();
}
}

private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='a'&&kc<='z') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)
|| (kc>='A'&&kc<='Z') || (kc=='.')))) {
JOptionPane.showMessageDialog(this, "Please enter the correct name of the Patient.");
evt.consume();
}
}

private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='a'&&kc<='z') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)
|| (kc>='A'&&kc<='Z') || (kc=='.')))) {
JOptionPane.showMessageDialog(this, "Please enter the correct name of the Patient.");
evt.consume();
}
}

private void jTextField5KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0'&&kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))
{
JOptionPane.showMessageDialog(this, "Please enter the correct mobile number.");
evt.consume();
}
}

private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
jComboBox1.setEnabled(false);
jComboBox2.setEnabled(false);
jComboBox3.setEnabled(false);
Calendar c = new GregorianCalendar();
int month =c.get(Calendar.MONTH);
int year =c.get(Calendar.YEAR);
int day =c.get(Calendar.DAY_OF_MONTH);
while(year>=1990)
{
jComboBox1.addItem(year);
year--;
}
}

```

```

}
jComboBox2.setSelectedIndex(month);
jComboBox3.setSelectedIndex(day-1);
Star1.setVisible(false);
Star2.setVisible(false);
Star3.setVisible(false);
Star4.setVisible(false);
Star5.setVisible(false);
Star6.setVisible(false);
Star7.setVisible(false);
Star8.setVisible(false);
Star9.setVisible(false);
Star10.setVisible(false);
}

```

New Doctor

```

private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
    char kc=evt.getKeyChar();
    if(!((kc>='a' && kc<='z') || (kc>='A' && kc<='Z') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE) || (kc=='.')))
    {
        JOptionPane.showMessageDialog(this, "Please enter the correct last name.");
        evt.consume();
    }
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText("");
    jTextField2.setText("");
    jTextField3.setText("");
}

```

```

jTextField4.setText("");
jTextField5.setText("");
jLabel7.setVisible(false);
jLabel2.setVisible(false);
jLabel8.setVisible(false);
jLabel9.setVisible(false);
jLabel11.setVisible(false);
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
if(jTextField2.getText().isEmpty() || jTextField1.getText().isEmpty() ||
jTextField3.getText().isEmpty() || jTextField4.getText().isEmpty() || jTextField5.getText(
).isEmpty())
{
if(jTextField2.getText().isEmpty())
{ jLabel7.setVisible(true); }
if(jTextField1.getText().isEmpty())
{ jLabel2.setVisible(true); }
if(jTextField3.getText().isEmpty())
{ jLabel8.setVisible(true); }
if(jTextField4.getText().isEmpty())
{ jLabel9.setVisible(true); }
if(jTextField5.getText().isEmpty())
{ jLabel11.setVisible(true); }
JOptionPane.showMessageDialog(this,"Please enter the indicated information.");
}
else
{
int ch= Integer.parseInt(jTextField5.getText());
if(ch>1800)
{
JOptionPane.showMessageDialog(this,"Please enter a Decent charge per visit.");
jTextField5.setText("");
}
else if(ch<300)
{
JOptionPane.showMessageDialog(this,"Please enter proper charges per visit.");
jTextField5.setText("");
}
else
{ int confirm=JOptionPane.showConfirmDialog(this,"Do you want to make an
entry.,"Confirm Details",JOptionPane.YES_NO_OPTION);
if(confirm==0)
{
try {
jLabel9.setVisible(false); jLabel2.setVisible(false);
jLabel7.setVisible(false); jLabel8.setVisible(false);

```

```

jLabel11.setVisible(false);
String fname=(String)jTextField2.getText();
String sname=(String)jTextField1.getText();
String name;
name=fname+" "+sname;
String edu=(String)jTextField3.getText();
String spe=(String)jTextField4.getText();
String charge=(String)jTextField5.getText();
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");
Statement s=(Statement) con.createStatement();
String q="INSERT INTO doctor (d_name,edu,specialization,charge)
VALUES (" +name+""," +edu+""," +spe+""," +charge+"");
s.executeUpdate(q);
String q2="SELECT MAX(dno) FROM doctor;";
ResultSet rs2=s.executeQuery(q2);
if(rs2.next())
{
String doctor_id=rs2.getString("MAX(dno)");
JOptionPane.showMessageDialog(this,"Insertion sucessful..."+"\n Your ID is "+doctor_id);
}
new HomePage().setVisible(true);
this.dispose();
}
catch (Exception e) {JOptionPane.showMessageDialog(this, e.getMessage());}
}
}
}
}
private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='a' && kc<='z') || (kc>='A' && kc<='Z') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE) || (kc=='.'))))
{
JOptionPane.showMessageDialog(this, "Please enter the correct first name.");
evt.consume();
}
}
private void jTextField5KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))
{

```

```

JOptionPane.showMessageDialog(this, "Please enter the correct charges to be taken per
visit.");
evt.consume();
}
}
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
new HomePage().setVisible(true);
this.dispose();
}
private void jTextField3KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='a' && kc<='z') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE) || (kc>='A' && kc<='Z') || (kc=='.'))))
{
JOptionPane.showMessageDialog(this, "Please enter the correct education");
evt.consume();
}
}
private void jTextField4KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='a' && kc<='z') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))
{
JOptionPane.showMessageDialog(this, "Please enter the correct specialization.");
evt.consume();
}
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
jLabel7.setVisible(false);
jLabel8.setVisible(false);
jLabel2.setVisible(false);
jLabel9.setVisible(false);
jLabel11.setVisible(false);
}
}

```


New Bill



The screenshot shows a graphical user interface for creating a new bill. It features three text input fields stacked vertically, each preceded by a label: 'Patient Id:', 'Doctor Number:', and 'Prescription ID:'. Below these fields are two buttons: 'Next' and 'Discard'. The background of the form is a colorful, abstract geometric pattern.

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    new HomePage().setVisible(true);  
    this.dispose();  
}  
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    Calendar c=Calendar.getInstance();  
    int cur_year=c.get(Calendar.YEAR);  
    int cur_month=c.get(Calendar.MONTH) +1;  
    int cur_day=c.get(Calendar.DAY_OF_MONTH);  
    String cm,cd;  
    if (cur_month<10) {  
        cm=""+"0"+cur_month; } else{ cm="" +cur_month; }  
    if(cur_day<10)  
    { cd=""+"0"+cur_day; } else { cd="" +cur_day;}  
    String date=cur_year+cm+cd;  
    if(jTextField1.getText().isEmpty() || jTextField2.getText().isEmpty() ||  
    jTextField3.getText().isEmpty())  
    {  
        if(jTextField1.getText().isEmpty()) {  
            jLabel1.setVisible(true);}  
        if(jTextField2.getText().isEmpty()) {  
            jLabel6.setVisible(true);}  
        if(jTextField3.getText().isEmpty()) {  
            jLabel7.setVisible(true);}  
        JOptionPane.showMessageDialog(this,"Please enter the indicated fields.");  
    }  
    else {  
        try {  
            jLabel1.setVisible(false); jLabel6.setVisible(false);  
            jLabel7.setVisible(false);  
            String patientid=(String)jTextField1.getText();
```

```

String pid=(String)jTextField2.getText();
String dno=(String)jTextField3.getText();
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");
Statement s =(Statement) con.createStatement();
String qcc=jTextField3.getText();
String qc="SELECT * FROM invoice WHERE pid='"+qcc+"'";
ResultSet rsc=s.executeQuery(qc);
if(rsc.next())
{
JOptionPane.showMessageDialog(this,"Bill has already being generated....");
jTextField1.setText("");
jTextField2.setText("");
jTextField3.setText("");
}
else
{String qpp=jTextField1.getText();
String qp="SELECT MAX(pno) FROM patient;";
ResultSet rsp=s.executeQuery(qp);
if(rsp.next())
{
String rspp=rsp.getString("MAX(pno)");
if(Integer.parseInt(rspp)< Integer.parseInt(qpp))
{
JOptionPane.showMessageDialog(this,"Please enter proper Patient Id..");
jTextField1.setText("");
}
else
{
String a=jTextField3.getText();
String pr="SELECT pno FROM prescription WHERE pid='"+a+"'";
ResultSet rsq=s.executeQuery(pr);
if(rsq.next())
{
int pnnm= Integer.parseInt(rsq.getString("pno"));
if(Integer.parseInt(jTextField1.getText())==pnnm)
{
String q5="INSERT INTO invoice (pid,pno,dno,bill_date,amount,modepay)
VALUES(NULL,NULL,NULL,NULL,NULL,NULL);";
s.executeUpdate(q5);
String q1="SELECT MAX(inno) FROM invoice;";
ResultSet rs=s.executeQuery(q1);
String i;
if(rs.next())

```

```

{
i=rs.getString("MAX(inno)");
String q="UPDATE invoice SET
pid='"+dno+"',pno='"+patientid+"',dno='"+pid+"',bill_date='"+date+"' WHERE
inno='"+i+"'";
s.executeUpdate(q);
jTextField1.setText("");
jTextField2.setText("");
jTextField3.setText("");
new New_Bill2(pid,dno).setVisible(true);
this.dispose();
}
else
{
JOptionPane.showMessageDialog(this,"No record found...");
}
}
else
{
JOptionPane.showMessageDialog(this,"Please enter correct prescription ID.");
jTextField3.setText("");
jLabel7.setVisible(true);
}
}
}
}
}
}
}
}
catch(Exception e)
{JOptionPane.showMessageDialog(this, e.getMessage());}
}
}

private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))
{
JOptionPane.showMessageDialog(this, "Please enter the correct patient ID.");
evt.consume();
}
}

private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))
{

```

```

JOptionPane.showMessageDialog(this, "Please enter the correct doctor ID.");
evt.consume();
}
}
private void jTextField3KeyTyped(java.awt.event.KeyEvent evt) {
char kc=evt.getKeyChar();
if(!((kc>='0' && kc<='9') || (kc==KeyEvent.VK_BACK_SPACE) || (kc==KeyEvent.VK_DELETE)))
{
JOptionPane.showMessageDialog(this, "Please enter the correct prescription ID.");
evt.consume();
}
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
jLabel1.setVisible(false);
jLabel6.setVisible(false);
jLabel7.setVisible(false);
}
}

```

New Bill 2



```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
DefaultComboBoxModel model=(DefaultComboBoxModel)jComboBox1.getModel();
if(jComboBox1.getSelectedIndex()==0) {
jLabel5.setVisible(true);
JOptionPane.showMessageDialog(this,"Please enter the indicated fields.");
}
else {
try {
jLabel5.setVisible(false);
String mode=(String)model.getSelectedItem();
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject",
"root","");
Statement s=(Statement) con.createStatement();
String q1="SELECT MAX(inno) FROM invoice;";

```

```

ResultSet rs=s.executeQuery(q1);
String i;
if(rs.next())
{
String amount=jTextField4.getText();
i=rs.getString("MAX(inno)");
String q="UPDATE invoice SET amount='"+amount+"', modepay='"+mode+"
WHERE inno='"+i+"'";
s.executeUpdate(q);
JOptionPane.showMessageDialog(this,"Insertion sucessful..."+"\n The Invoice ID is "+i);
jTextField4.setText("");
jComboBox1.setSelectedIndex(0);
}
new New_Bill3().setVisible(true);
this.dispose();
} catch (Exception e) {
JOptionPane.showMessageDialog(this, e.getMessage());
}
}
}

private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
jLabel5.setVisible(false);
try{
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");
Statement s =(Statement) con.createStatement();
String q2="SELECT charge FROM doctor WHERE dno='"+pid1+"'";
ResultSet rs3=s.executeQuery(q2);
if(rs3.next())
{
String a1= rs3.getString("charge");
String q3="SELECT cost FROM prescription WHERE pid='"+dno1+"'";
ResultSet rs4=s.executeQuery(q3);
if(rs4.next())
{
String a2= rs4.getString("cost");
int a3= Integer.parseInt(a1) + Integer.parseInt(a2);
jTextField4.setText(a3+"");
}
}
}
catch (Exception ea)
{

```

```

OptionPane.showMessageDialog(this, ea);
}
}

```

New Bill 3

The form is titled 'New Bill 3' and features a vibrant, multi-colored geometric background. It is organized into two main columns of input fields. The left column includes fields for 'Invoice Number:', 'Gender:', 'Patient ID:', 'Doctor ID:', and 'Prescription ID:'. The right column includes fields for 'Date:', 'Blood Group:', 'Patient Name:', 'Doctor Name:', 'Age:', and 'Mode of payment:'. Below these, a white-bordered box contains three more fields: 'Doctor's Charges:', 'Prescription's Cost:', and 'Total Amount:'. At the bottom of the form, there are two buttons labeled 'Print' and 'Cancel', and a text label that reads 'NO copy of this invoice will be created'.

```

private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
try{
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");
Statement s =(Statement) con.createStatement();
String q1="SELECT MAX(inno) FROM invoice;";
ResultSet rs=s.executeQuery(q1);
String i;
if(rs.next())
{
//invoice

```

```

i=rs.getString("MAX(inno)");
String q="SELECT * FROM invoice WHERE inno='"+i+"'";
ResultSet rs1=s.executeQuery(q);
if(rs1.next())
{
jTextField9.setText(rs1.getString("bill_date"));
jTextField1.setText(i);
String d=rs1.getString("dno");
String p1=rs1.getString("pid");
jTextField10.setText(rs1.getString("pid"));
jTextField2.setText(rs1.getString("pno"));
jTextField7.setText(rs1.getString("modepay"));
//patient
String p=rs1.getString("pno");
String q2="SELECT * FROM patient WHERE pno='"+p+"'";
ResultSet rs2=s.executeQuery(q2);
if(rs2.next())
{
jTextField11.setText(rs2.getString("gender"));
jTextField8.setText(rs2.getString("age"));
jTextField12.setText(rs2.getString("b_gp"));
jTextField3.setText(rs2.getString("p_name"));
// doctor
String q3="SELECT * FROM doctor WHERE dno='"+d+"'";
ResultSet rs3=s.executeQuery(q3);
if(rs3.next())
{String charge=rs3.getString("charge");
jTextField4.setText(d);
jTextField5.setText(rs3.getString("d_name"));
String q4="SELECT cost FROM prescription WHERE pid='"+p1+"'";
ResultSet rs4=s.executeQuery(q4);
if(rs4.next())
{
String cost= rs4.getString("cost");
jTextField14.setText(charge);
jTextField13.setText(cost);
int fd=Integer.parseInt(charge) + Integer.parseInt(cost);
jTextField6.setText(Integer.toString(fd));
} } } } }
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this,e.getMessage());
}
}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
JOptionPane.showMessageDialog(this,"The invoice has been printed....");
clear();
new HomePage().setVisible(true);
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
int confirm=JOptionPane.showConfirmDialog(this,"Do you want to cancel it
???", "Confirm",JOptionPane.YES_NO_OPTION);
if(confirm==0)
{
try{
Class.forName("java.sql.DriverManager");
Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject"
,"root","");
Statement s =(Statement) con.createStatement();
String qw=jTextField1.getText();
String q="DELETE FROM invoice WHERE inno="+qw+"";
JOptionPane.showMessageDialog(this,"Invoice deleted....");
this.dispose();
new HomePage().setVisible(true);
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this,e.getMessage());
}
}
}
}

```


Doctor Update

Doctor Number:

Name:

Education:

Specialization:

Charge per visit:

Get Doctor Number

Update

Discard

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    if (jTextField4.getText().isEmpty() || jTextField1.getText().isEmpty() ||  
        jTextField2.getText().isEmpty() || jTextField3.getText().isEmpty()) {  
        jButton2.setEnabled(true);  
        JOptionPane.showMessageDialog(this, "Please enter the values in the empty spaces.");  
    } else if (Integer.parseInt(jTextField3.getText()) > 1800) {  
        JOptionPane.showMessageDialog(this, "Please enter economical charges per visit.");  
        jTextField3.setText("");  
    } else if (Integer.parseInt(jTextField3.getText()) < 300) {  
        JOptionPane.showMessageDialog(this, "Please enter correct charges per visit.");  
        jTextField3.setText("");  
    } else {  
        int confirm = JOptionPane.showConfirmDialog(this, "Do you want to update the data?",  
            "Confirm", JOptionPane.YES_NO_OPTION);  
        if (confirm == 0) {  
            try {  
                String d_name = jTextField4.getText();  
                String edu = jTextField1.getText();  
                String spe = jTextField2.getText();  
                String charge = jTextField3.getText();  
                String dno = (String) jList1.getSelectedValue();  
                Class.forName("java.sql.DriverManager");
```

```

Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject", "root", "");
Statement s = (Statement) con.createStatement();
if (!jTextField4.getText().isEmpty()) {
String q1 = "UPDATE doctor SET d_name=" + d_name + " WHERE dno=" + dno +
"";
s.executeUpdate(q1);
}
if (!jTextField1.getText().isEmpty()) {
String q1 = "UPDATE doctor SET edu=" + edu + " WHERE dno=" + dno + "";
s.executeUpdate(q1);
}
if (!jTextField2.getText().isEmpty()) {
String q1 = "UPDATE doctor SET specialization=" + spe + " WHERE dno=" + dno +
"";
s.executeUpdate(q1);
}
if (!jTextField3.getText().isEmpty()) {
String q1 = "UPDATE doctor SET charge=" + charge + " WHERE dno=" + dno + "";
s.executeUpdate(q1);
}
JOptionPane.showMessageDialog(this, "Data update Successful...");
jTextField1.setEditable(false);
jTextField2.setEditable(false);
jTextField4.setEditable(false);
jTextField3.setEditable(false);
jTextField3.setText("");
jTextField1.setText("");
jTextField2.setText("");
jTextField4.setText("");
jButton2.setEnabled(false);
} catch (Exception e) {
JOptionPane.showMessageDialog(this, e.getMessage());
}
} else {
}
}
}

private void jTextField3KeyTyped(java.awt.event.KeyEvent evt) {
char kc = evt.getKeyChar();
if (!((kc >= '0' && kc <= '9') || (kc == KeyEvent.VK_BACK_SPACE) || (kc ==
KeyEvent.VK_DELETE))) {
JOptionPane.showMessageDialog(this, "Please enter the correct charges to be taken per
visit.");
evt.consume();
}
}

```

```

}
private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
    char kc = evt.getKeyChar();
    if (!(kc >= 'a' && kc <= 'z') || (kc == KeyEvent.VK_BACK_SPACE) || (kc ==
    KeyEvent.VK_DELETE) || (kc >= 'A' && kc <= 'Z') || (kc == '.'))) {
        JOptionPane.showMessageDialog(this, "Please enter the correct education");
        evt.consume();
    }
}
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    new HomePage().setVisible(true);
    this.dispose();
}
private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {
    char kc = evt.getKeyChar();
    if (!(kc >= 'a' && kc <= 'z') || (kc == KeyEvent.VK_BACK_SPACE) || (kc ==
    KeyEvent.VK_DELETE))) {
        JOptionPane.showMessageDialog(this, "Please enter the correct specialization.");
        evt.consume();
    }
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    DefaultListModel list = (DefaultListModel) jList1.getModel();
    try {
        Class.forName("java.sql.DriverManager");
        Connection con = (Connection)
        DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject", "root", "");
        Statement s = (Statement) con.createStatement();
        String q = "SELECT dno FROM doctor ";
        ResultSet rs = s.executeQuery(q);
        if (rs.next()) {
            rs.previous();
            while (rs.next()) {
                String dno = rs.getString("dno");
                list.addElement(dno);
            }
        } else {
            JOptionPane.showMessageDialog(this, "No record found...");
        }
    } catch (Exception ea) {
        JOptionPane.showMessageDialog(this, ea.getMessage());
    }
    jList1.setSelectedIndex(0);
    jButton1.setEnabled(false);
}
private void jTextField4KeyTyped(java.awt.event.KeyEvent evt) {

```

```

char kc = evt.getKeyChar();
if (!(kc >= 'a' && kc <= 'z') || (kc == KeyEvent.VK_BACK_SPACE) || (kc ==
KeyEvent.VK_DELETE) || (kc == '.')) {
JOptionPane.showMessageDialog(this, "Please enter correct the name.");
evt.consume();
}
}
private void jList1MouseClicked(java.awt.event.MouseEvent evt) {
if (jList1.getSelectedIndex() < 0) {
JOptionPane.showMessageDialog(this, "Please select a doctor number.");
} else {
jButton2.setEnabled(true);
try {
jButton2.setEnabled(true);
jTextField1.setEditable(true);
jTextField2.setEditable(true);
jTextField4.setEditable(true);
jTextField3.setEditable(true);
Class.forName("java.sql.DriverManager");
Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject", "root", "");
Statement s = (Statement) con.createStatement();
String dno = (String) jList1.getSelectedValue();
String q1 = "SELECT d_name,edu,specialization,charge FROM doctor WHERE dno="
+ dno + ";";
ResultSet rs = s.executeQuery(q1);
if (rs.next()) {
jTextField1.setText(rs.getString("edu"));
jTextField4.setText(rs.getString("d_name"));
jTextField2.setText(rs.getString("specialization"));
jTextField3.setText(rs.getString("charge"));
}
} catch (Exception ae) {
JOptionPane.showMessageDialog(this, ae.getMessage());
}
}
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0, 0, 0, 0));
}
}

```

Doctor Delete



```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    int confirm = JOptionPane.showConfirmDialog(this, "Do you want to delete it???",  
        "Confirm", JOptionPane.YES_NO_OPTION);  
    if (confirm == 0) {  
        String dno = jTextField1.getText();  
        try {  
            Class.forName("java.sql.DriverManager");  
            Connection con = (Connection)  
                DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject", "root", "");  
            Statement s = (Statement) con.createStatement();  
            String q = "DELETE FROM doctor WHERE dno=" + dno + ";";  
            s.executeUpdate(q);  
            JOptionPane.showMessageDialog(this, "Record deleted.");  
            jTextField1.setText("");  
            jTextField2.setText("");  
            jTextField3.setText("");  
            jTextField4.setText("");  
            jTextField5.setText("");  
        } catch (Exception e) {  
            JOptionPane.showMessageDialog(this, e.getMessage());  
        }  
    } else {  
    }  
    jButton2.setEnabled(false);  
}
```

```

jButton1.setEnabled(true);
}
private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
    char kc = evt.getKeyChar();
    if (!(kc >= '0' && kc <= '9') || (kc == KeyEvent.VK_BACK_SPACE) || (kc ==
    KeyEvent.VK_DELETE)) {
        JOptionPane.showMessageDialog(this, "Please enter the correct mobile number.");
        evt.consume();
    }
}
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText("");
    jTextField2.setText("");
    jTextField3.setText("");
    jTextField4.setText("");
    jButton2.setEnabled(false);
    jButton1.setEnabled(true);
    jTextField5.setText("");
}
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    HomePage home = new HomePage();
    home.setVisible(true);
    this.dispose();
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    if (jTextField1.getText().isEmpty()) {
        JOptionPane.showMessageDialog(this, "Please enter the Doctor Number.");
    } else {
        try {
            String dno = (String) jTextField1.getText();
            Class.forName("java.sql.DriverManager");
            Connection con = (Connection)
            DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject", "root", "");
            Statement s = (Statement) con.createStatement();
            String q = "SELECT d_name,edu,specialization,charge FROM doctor WHERE dno=" +
            dno + ";;";
            ResultSet rs = s.executeQuery(q);
            if (rs.next()) {
                jTextField2.setText(rs.getString("d_name"));
                jTextField3.setText(rs.getString("edu"));
                jTextField4.setText(rs.getString("specialization"));
                jTextField5.setText(rs.getString("charge"));
                jButton2.setEnabled(true);
                jButton1.setEnabled(false);
            } else {
                jButton1.setEnabled(true);
            }
        }
    }
}

```

```

OptionPane.showMessageDialog(this, "No record found.");
jTextField1.setText("");
}
} catch (Exception e) {
OptionPane.showMessageDialog(this, e.getMessage());
}
}
}
private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0, 0, 0, 0));
}

```

About Us



```

private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground(new Color(0,0,0,0));
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
new HomePage().setVisible(true);
this.dispose();
}

```


Report



```
private void formWindowOpened(java.awt.event.WindowEvent evt) {  
    this.setBackground(new Color(0, 0, 0, 0));  
    try{  
        Class.forName("java.sql.DriverManager");  
        Connection con =  
            (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject","root"  
            , "");  
        Statement stmt = (Statement) con.createStatement();  
        String query1 = "Select count(*) from doctor;";  
        String query2 = "Select count(*) from patient;";  
        ResultSet rs1 = (ResultSet) stmt.executeQuery(query1);  
        while(rs1.next()){  
            jTextField1.setText(rs1.getString("count(*)"));  
        }  
        ResultSet rs2 = (ResultSet) stmt.executeQuery(query2);  
        while(rs2.next()){  
            jTextField2.setText(rs2.getString("count(*)"));  
        } }  
        catch(Exception e){  
            JOptionPane.showMessageDialog(this, e.getMessage());  
        }  
        jTextField1.setEnabled(false);  
        jTextField2.setEnabled(false);  
        int i = Integer.parseInt(jTextField1.getText());  
        int j = Integer.parseInt(jTextField2.getText());  
        if(i==0){  
            jButton1.setEnabled(false);  
            JOptionPane.showMessageDialog(this, "No doctors!");  
        }  
        if(j==0){  
            jButton2.setEnabled(false);  
            JOptionPane.showMessageDialog(this, "No patients!");  
        }  
    }  
}
```



```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    new HomePage().setVisible(true);
    this.dispose();
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    new Doctor_List().setVisible(true);
    this.dispose();
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    new Patient_List().setVisible(true);
    this.dispose();
}

```

Patient List

The screenshot shows a 'Patient List' form with a vibrant, multi-colored geometric background. The form includes the following fields and controls:

- Patient ID:** A large white rectangular input field.
- Patient Name:** A white rectangular input field.
- Blood Group:** A white rectangular input field.
- Age:** A white rectangular input field.
- Gender:** A white rectangular input field.
- Mobile Number:** A white rectangular input field.
- Disease:** A white rectangular input field.
- Date Of Admission:** A white rectangular input field.
- Number Of Prescription:** A white rectangular input field.
- Number Of Bills:** A large white rectangular input field.
- Back:** A button with a grey border and the text 'Back'.

```

private void jList1MouseClicked(java.awt.event.MouseEvent evt) {
    try {
        Class.forName("java.sql.DriverManager");
    }
}

```

```

Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost/mrproject","root",
"");
Statement stmt=(Statement)con.createStatement();
String pno= (String)jList1.getSelectedValue();
String query1="Select * from patient where pno='"+(pno)+"'";
String query2="Select count(*) from prescription where pno='"+(pno)+"'";
String query4="Select count(*) from invoice where pno='"+(pno)+"'";
ResultSet rs1=stmt.executeQuery(query1);
while (rs1.next()) {
jTextField1.setText(rs1.getString("p_name"));
jTextField2.setText(rs1.getString("b_gp"));
jTextField3.setText(rs1.getString("age"));
jTextField4.setText(rs1.getString("gender"));
jTextField5.setText(rs1.getString("mobileno"));
jTextField6.setText(rs1.getString("disease"));
jTextField7.setText(rs1.getString("entry_date"));
}
ResultSet rs2=stmt.executeQuery(query2);
while (rs2.next()) {
jTextField8.setText(rs2.getString("count(*)"));
}
int p = Integer.parseInt(jTextField8.getText());
ResultSet rs4=stmt.executeQuery(query4);
while (rs4.next()) {
jTextArea1.setText(rs4.getString("count(*)"));
}
int b = Integer.parseInt(jTextArea1.getText());
if(b==p){
jTextArea1.append("\n" + "All bills paid!");
}else{
int d = p-b;
jTextArea1.append("\n" + "Bills Paid:" + b + "\n" + "Bills unpaid: " + d);
}
}
catch (Exception e) {
JOptionPane.showMessageDialog(this, e.getMessage());
}
}

private void formWindowOpened(java.awt.event.WindowEvent evt) {
this.setBackground( new Color(0,0,0,0));
DefaultListModel d1 = (DefaultListModel)jList1.getModel();
try{
Class.forName("java.sql.DriverManager");


```

```

Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject","root"
,"");
Statement stmt = (Statement)con.createStatement();
String query = "Select pno from patient;";
ResultSet rs = (ResultSet)stmt.executeQuery(query);
while(rs.next()){
d1.addElement(rs.getString("pno"));
}
}
catch(Exception e){
JOptionPane.showMessageDialog(this, e.getMessage());
}
jTextField1.setEnabled(false);
jTextField2.setEnabled(false);
jTextField3.setEnabled(false);
jTextField4.setEnabled(false);
jTextField5.setEnabled(false);
jTextField6.setEnabled(false);
jTextField7.setEnabled(false);
jTextField8.setEnabled(false);
jTextArea1.setEnabled(false);
}
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
new Report().setVisible(true);
this.dispose();
}

```

Doctor List



```
private void formWindowOpened(java.awt.event.WindowEvent evt) {  
    this.setBackground( new Color(0,0,0,0));  
    DefaultListModel d1 = (DefaultListModel)jList1.getModel();  
    try{  
        Class.forName("java.sql.DriverManager");  
        Connection con =  
        (Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/mrproject","root"  
        , "");  
        Statement stmt = (Statement)con.createStatement();  
        String query = "Select dno from doctor;";  
        ResultSet rs = (ResultSet)stmt.executeQuery(query);  
        while(rs.next()){  
            d1.addElement(rs.getString("dno"));  
        }  
    }  
    catch(Exception e){  
        JOptionPane.showMessageDialog(this, e.getMessage());  
    }  
    jTextField1.setEnabled(false);  
    jTextField2.setEnabled(false);  
    jTextField3.setEnabled(false);  
    jTextField4.setEnabled(false);  
    jTextField5.setEnabled(false);  
    jTextField6.setEnabled(false);  
}  
private void jList1MouseClicked(java.awt.event.MouseEvent evt) {  
    try {  
        Class.forName("java.sql.DriverManager");
```

```

Connection
con=(Connection)DriverManager.getConnection("jdbc:mysql://localhost/mrproject","root",
"");
Statement stmt=(Statement)con.createStatement();
String dno= (String)jList1.getSelectedValue();
String query1="Select * from doctor where dno='"+(dno)+"'";
String query2="Select count(*) from prescription where dno='"+(dno)+"'";
ResultSet rs1=stmt.executeQuery(query1);
while (rs1.next()) {
jTextField1.setText(rs1.getString("d_name"));
jTextField2.setText(rs1.getString("edu"));
jTextField3.setText(rs1.getString("specialization"));
jTextField4.setText(rs1.getString("Charge"));
}
ResultSet rs2=stmt.executeQuery(query2);
while (rs2.next()) {
jTextField5.setText(rs2.getString("count(*)"));
}
}
catch (Exception e) {
JOptionPane.showMessageDialog(this, e.getMessage());
}
int ch = Integer.parseInt(jTextField4.getText());
int pn = Integer.parseInt(jTextField5.getText());
int sal1 = pn * ch;
int sal2 = pn * 200;
int sal = sal1 + sal2;
jTextField6.setText(String.valueOf(sal));
}
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
new Report().setVisible(true);
this.dispose();
}

```

BIBLIOGRAPHY

+ NCERT Text Book

+ Sumita Arora

+ www.google.com

+ www.java2s.com