## 1.测试

**package** Doctors;

**public** **class** Test {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Login L1=**new** Login();

}

}

package Doctors;

## 2.登陆界面

import javax.swing.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

public class Login extends JFrame implements ActionListener {

JLabel jlnum;

JLabel jlpad;

JTextField jtnum;

JPasswordField jtpsd;

JButton buttonlog;

JButton buttonreturn;

// 设定用户名和密码

final String doc\_num = "1";

final String doc\_psd = "1";

public Login() {

this.setSize(560, 480);

this.setTitle("医生信息系统");

this.setLayout(null);

this.init();

this.setVisible(true);

this.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE); // 设置当关闭窗口时，保证JVM也退出

this.setResizable(true);

}

private void init() {

jlnum = new JLabel("职工号 : ");

jlnum.setSize(90, 30);

jlnum.setLocation(170, 80);

this.add(jlnum);

jtnum = new JTextField();

jtnum.setSize(120, 30);

jtnum.setLocation(250, 80);

this.add(jtnum);

jlpad = new JLabel("密 码 : ");

jlpad.setSize(90, 30);

jlpad.setLocation(170, 140);

this.add(jlpad);

jtpsd = new JPasswordField();

jtpsd.setSize(120, 30);

jtpsd.setLocation(250, 140);

this.add(jtpsd);

buttonlog = new JButton("登录");

buttonlog.setSize(90, 30);

buttonlog.setLocation(160, 200);

buttonlog.addActionListener(this);

this.add(buttonlog);

buttonreturn = new JButton("重置");

buttonreturn.setSize(90, 30);

buttonreturn.setLocation(300, 200);

buttonreturn.addActionListener(this);

this.add(buttonreturn);

}

@Override

public void actionPerformed(ActionEvent a) {

// TODO Auto-generated method stub

if (a.getActionCommand() == "登录") {

select();

dispose();

} else {

clear();

}

}

@SuppressWarnings("deprecation")

public void select() {

if (doc\_num.equals(jtnum.getText())&& doc\_psd.equals(jtpsd.getText())) {

JOptionPane.showMessageDialog(null, "登录成功！", "提示消息",JOptionPane.WARNING\_MESSAGE);

dispose();

MainUI main = new MainUI();

this.setVisible(true);

} else if (jtnum.getText().isEmpty() && jtpsd.getText().isEmpty()) {

JOptionPane.showMessageDialog(null, "请输入职工号和密码！", "提示消息",

JOptionPane.WARNING\_MESSAGE);

} else if (jtnum.getText().isEmpty()) {

JOptionPane.showMessageDialog(null, "请输入职工号！", "提示消息",

JOptionPane.WARNING\_MESSAGE);

} else if (jtpsd.getText().isEmpty()) {

JOptionPane.showMessageDialog(null, "请输入密码！", "提示消息",

JOptionPane.WARNING\_MESSAGE);

} else {

JOptionPane.showMessageDialog(null, "职工号和密码错误！\n请重新输入", "提示消息",

JOptionPane.ERROR\_MESSAGE);

// 清空输入框

clear();

}

}

public void clear() {

jtnum.setText("");

jtpsd.setText("");

}

}

## 3.增加

package Doctors;

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.sql.\*;

public class Insect extends JFrame {

// private static final long serialVersionUID=-1928970409928880648L;

JLabel jlnum = new JLabel("工号：");

JLabel jlname = new JLabel("姓名：");

JLabel jlsex = new JLabel("性别：");

JLabel jldepartment = new JLabel("科室：");

JTextField jtnum = new JTextField("", 15);

JTextField jtname = new JTextField("", 15);

JTextField jtsex = new JTextField("", 15);

JTextField jtdepartment = new JTextField("", 15);

JButton buttonadd = new JButton("添加");

JButton buttonreturn = new JButton("返回");

public Insect() {

JPanel jpnum = new JPanel();

JPanel jpname = new JPanel();

JPanel jpsex = new JPanel();

JPanel jpdepartment = new JPanel();

JPanel jpforbutton = new JPanel(new GridLayout(1, 1));

jpnum.add(jlnum);

jpnum.add(jtnum);

jpname.add(jlname);

jpname.add(jtname);

jpsex.add(jlsex);

jpsex.add(jtsex);

jpdepartment.add(jldepartment);

jpdepartment.add(jtdepartment);

jpforbutton.add(buttonadd);

jpforbutton.add(buttonreturn);

buttonadd.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

Connection conn = null;

PreparedStatement ps = null;

String sql = "Insert into doctors(num,name,sex,department)"

+ "values(?,?,?,?)";

try {

Class.forName("com.mysql.jdbc.Driver");// 尝试Class.forName("Driver")失败

System.out.println("JDBC 加载成功！");

} catch (Exception a) {

System.out.println("JDBC 加载失败！");

a.printStackTrace();

}

try {

conn = DriverManager.getConnection(

"jdbc:mysql://localhost:3306/doctors\_course",

"root", "123456");

ps = conn.prepareStatement(sql);

ps.setString(1, jtnum.getText());

if (jtnum.getText() == null) {

System.out.println("工号不能为空");

}

ps.setString(2, jtname.getText());

ps.setString(3, jtsex.getText());

ps.setString(4, jtdepartment.getText());

ps.executeUpdate();

} catch (SQLException b) {

b.printStackTrace();

} finally {

try {

conn.close();

System.out.println("Mysql 关闭成功");

System.out.println("add success.");

} catch (SQLException c) {

System.out.println("Mysql 关闭失败");

System.out.println("add fail.");

c.printStackTrace();

}

}

}

});

/\*\*

\* 此处需要改进，返回按钮是结束当前界面，返回到前一个界面。

\* \*/

buttonreturn.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

dispose();

}

});

this.setTitle("添加医生信息");

this.setLayout(new GridLayout(6, 1));

this.add(jpnum);

this.add(jpname);

this.add(jpsex);

this.add(jpdepartment);

this.add(jpforbutton);

this.setLocation(400, 300);

this.setSize(350, 300);

this.setVisible(true);

}

}

## 4.删除

package Doctors;

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.sql.\*;

public class Del extends JFrame {

private static final long serialVersionUID=-1928970409928880648L;

JLabel jlnum=new JLabel("工号：");

JTextField jtnum=new JTextField("",15);

JButton buttondelete=new JButton("删除");

JButton buttonreturn=new JButton("返回");

public Del(){

JPanel jpnum=new JPanel();

JPanel jpforbutton=new JPanel(new GridLayout(1,1));

jpnum.add(jlnum);

jpnum.add(jtnum);

jpforbutton.add(buttondelete);

jpforbutton.add(buttonreturn);

buttondelete.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

String num=jtnum.getText();

Connection conn=null;

ResultSet res=null;

Statement stat=null;

String sql="delete from doctors where num='"+num+"'";

try{

Class.forName("com.mysql.jdbc.Driver");

System.out.println("JDBC 加载成功");

}catch (Exception e1){

System.out.println("JDBC 加载失败");

e1.printStackTrace();

}

try{

conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/doctors\_course","root","123456");

stat=conn.createStatement();

stat.executeUpdate(sql);

}catch (Exception e2){

e2.printStackTrace();

}finally {

try{

conn.close();

stat.close();

System.out.println("delete success.");

}catch (SQLException e3){

System.out.println("delete fail.");

e3.printStackTrace();

}

}

}

});

buttonreturn.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

// Window window=new Window();

dispose();

}

});

this.setTitle("删除医生信息：");

this.setLayout(new GridLayout(6,1));

this.add(jpnum);

this.add(jpforbutton);

this.setLocation(400,300);

this.setSize(350,300);

this.setVisible(true);

}

}

## 5.修改

**package** Doctors;

**import** java.sql.\*;

**import** java.awt.\*;

**import** java.awt.event.\*;

**import** javax.swing.\*;

**public** **class** UPdate **extends** JFrame {

**private** **static** **final** **long** *serialVersionUID* = -1928970409928880648L;

JLabel jlnum = **new** JLabel("工号：");

JLabel jlname = **new** JLabel("姓名：");

JLabel jlsex = **new** JLabel("性别：");

JLabel jldepartment = **new** JLabel("科室：");

JTextField jtnum = **new** JTextField("", 15);

JTextField jtname = **new** JTextField("", 15);

JTextField jtsex = **new** JTextField("", 15);

JTextField jtdepartment = **new** JTextField("", 15);

JButton buttonchange = **new** JButton("修改");

JButton buttonreturn = **new** JButton("返回");

**public** UPdate() {

JPanel jpnum = **new** JPanel();

JPanel jpname = **new** JPanel();

JPanel jpsex = **new** JPanel();

JPanel jpdepartment = **new** JPanel();

JPanel jpforbutton = **new** JPanel(**new** GridLayout(1, 1));

jpnum.add(jlnum);

jpnum.add(jtnum);

jpname.add(jlname);

jpname.add(jtname);

jpsex.add(jlsex);

jpsex.add(jtsex);

jpdepartment.add(jldepartment);

jpdepartment.add(jtdepartment);

jpforbutton.add(buttonchange);

jpforbutton.add(buttonreturn);

buttonchange.addActionListener(**new** ActionListener() {

**public** **void** actionPerformed(ActionEvent e) {

String num = jtnum.getText();

String name = jtname.getText();

String sex = jtsex.getText();

String department = jtdepartment.getText();

Connection conn = **null**;

ResultSet res = **null**;

Statement stat = **null**;

String sql = "SELECT num,name,sex,department FROM doctors;";

**try** {

Class.*forName*("com.mysql.jdbc.Driver");

} **catch** (Exception d) {

System.*out*.println("jdbc fall");

d.printStackTrace();

}

**try** {

conn = DriverManager.*getConnection*(

"jdbc:mysql://localhost:3306/doctors\_course",

"root", "123456");

stat = conn.createStatement();

res = stat.executeQuery(sql);

**while** (res.next()) {

// change

**if** (res.getString(1).equals(jtnum.getText())) {

**try** {

Class.*forName*("com.mysql.jdbc.Driver");

} **catch** (Exception d) {

System.*out*.println("jdbc fall");

d.printStackTrace();

}

String sql2 = "UPDATE doctors SET name='" + name

+ "' WHERE num='" + jtnum.getText() + "'";

String sql3 = "UPDATE doctors SET sex='" + sex

+ "' WHERE num='" + jtnum.getText() + "'";

String sql4 = "UPDATE doctors SET department='"

+ department + "' WHERE num='"

+ jtnum.getText() + "'";

**try** {

conn = DriverManager

.*getConnection*(

"jdbc:mysql://localhost:3306/doctors\_course",

"root", "123456");

stat = conn.createStatement();

stat.executeUpdate(sql2);

stat.executeUpdate(sql3);

stat.executeUpdate(sql4);

} **catch** (SQLException g) {

// **TODO** Auto-generated catch block

g.printStackTrace();

}

**try** {

stat.close();

conn.close();

System.*out*.println("update success.");

} **catch** (SQLException ar) {

ar.printStackTrace();

}

**break**;

}

// change end

}

} **catch** (SQLException e1) {

// **TODO** Auto-generated catch block

e1.printStackTrace();

} **finally** {

**try** {

conn.close();

} **catch** (SQLException ar) {

ar.printStackTrace();

}

}

}

});

buttonreturn.addActionListener(**new** ActionListener() {

**public** **void** actionPerformed(ActionEvent e) {

@SuppressWarnings("unused")

MainUI window = **new** MainUI();

dispose();//销毁窗体，即返回上一界面

}

});

**this**.setTitle("修改医生信息");

**this**.setLayout(**new** GridLayout(6, 1));

**this**.add(jpnum);

**this**.add(jpname);

**this**.add(jpsex);

**this**.add(jpdepartment);

**this**.add(jpforbutton);

**this**.setLocation(400, 300);

**this**.setSize(350, 300);

**this**.setVisible(**true**);

}

}

## 6.查询

package Doctors;

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.sql.\*;

public class Select extends JFrame {

private static final long serialVersionUID = -1928970409928880648L;

JLabel jlnumber = new JLabel("工号:");

JLabel jlname = new JLabel("姓名:");

JLabel jlsex = new JLabel("性别:");

JLabel jldepartment = new JLabel("科室:");

JTextField jtnumber = new JTextField("", 15);// 根据学号查询信息

JLabel jname = new JLabel();

JLabel jsex = new JLabel();

JLabel jdepartment = new JLabel();

JButton buttonask = new JButton("查询");

JButton buttonreturn = new JButton("返回");

public Select() {

FlowLayout flowLayout = new FlowLayout(FlowLayout.LEFT, 40, 20);// 设置对其方式以及间隙

JPanel jpnumber = new JPanel(flowLayout);

JPanel jpname = new JPanel(flowLayout);

JPanel jpsex = new JPanel(flowLayout);

JPanel jpdepartment = new JPanel(flowLayout);

JPanel jpforbutton = new JPanel(new GridLayout(2, 1));// 创建中间容器

jpnumber.add(jlnumber);

jpnumber.add(jtnumber);

jpname.add(jlname);

jpname.add(jname);

jpsex.add(jlsex);

jpsex.add(jsex);

jpdepartment.add(jldepartment);

jpdepartment.add(jdepartment);

jpforbutton.add(buttonask);

jpforbutton.add(buttonreturn);

buttonask.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

Connection conn = null;

ResultSet res = null;

Statement stat = null;

String sql = "select \* from doctors";

try {

Class.forName("com.mysql.jdbc.Driver");

System.out.println("JDBC 加载成功");

} catch (Exception d) {

System.out.println("JDBC 加载失败");

d.printStackTrace();

}

try {

conn = DriverManager.getConnection(

"jdbc:mysql://localhost:3306/doctors\_course",

"root", "123456");

stat = conn.createStatement();

res = stat.executeQuery(sql);

while (res.next()) {

if (res.getString(1).equals(jtnumber.getText())) {

jname.setText(res.getString(2));

jsex.setText(res.getString(3));

jdepartment.setText(res.getString(4));

break;

}

}

} catch (SQLException e1) {

e1.printStackTrace();

} finally {

try {

conn.close();

System.out.println("ask success.");

} catch (SQLException e2) {

System.out.println("ask fail.");

e2.printStackTrace();

}

}

}

});

buttonreturn.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

dispose();// 销毁窗体，即返回上一界面

}

});

this.setTitle("查询学生信息");

this.setLayout(new GridLayout(5, 1));

this.add(jpnumber);

this.add(jpname);

this.add(jpsex);

this.add(jpdepartment);

this.add(jpforbutton);

this.setLocation(400, 300);

this.setSize(350, 300);

this.setVisible(true);

}

}

## 7.浏览

package Doctors;

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.util.Vector;

public class Scan extends JFrame {

private static final long serialVersionUID=-1928970409928880648L;

Connection conn=null;

PreparedStatement ps=null;

ResultSet res=null;

JTable jTable=null;

JScrollPane jScrollPane=new JScrollPane();

Vector columnNames=null;

Vector rowData=null;

JButton buttonreturn=new JButton("返回");

public Scan(){

JPanel jpforbutton=new JPanel(new GridLayout(5,5));

jpforbutton.add(buttonreturn);

columnNames=new Vector();

columnNames.add("工号");

columnNames.add("姓名");

columnNames.add("性别");

columnNames.add("科室");

rowData=new Vector();

try {

Class.forName("com.mysql.jdbc.Driver");

System.out.println("JDBC 加载成功");

}catch (Exception e3){

System.out.println("JDBC 加载失败");

e3.printStackTrace();

}

try{

conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/doctors\_course","root","123456");

ps=conn.prepareStatement("select \* from doctors");

res=ps.executeQuery();

while(res.next()){

Vector hang=new Vector();

hang.add(res.getString(1));

hang.add(res.getString(2));

hang.add(res.getString(3));

hang.add(res.getString(4));

rowData.add(hang);

}

System.out.println("加载成功");

}catch (Exception e4){

System.out.println("加载失败");

e4.printStackTrace();

}finally {

try{

res.close();

conn.close();

ps.close();

System.out.println("查看成功");

}catch (Exception e5){

System.out.println("查看失败");

e5.printStackTrace();

}

}

buttonreturn.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

dispose();

}

});

jTable=new JTable(rowData,columnNames);

jScrollPane=new JScrollPane(jTable);

this.add(jScrollPane);

this.setTitle("浏览医生信息：");

this.setLayout(new GridLayout(2,5));

this.add(jpforbutton);

this.setLocation(400,300);

this.setSize(350,300);

this.setVisible(true);

}

}















