User.java:

package Bean;

//实体类

public class User {

private int id;//数据库中显示顺序

private String username;

private String password;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getUsername() {

return username;

}

public void setUsername(String username) {

this.username = username;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

public User(int id,String username,String password) {

this.id = id;

this.username = username;

this.password = password;

}

public User(String username,String password) {

this.username = username;

this.password = password;

}

}

Dao.java:

package Dao;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import Bean.User;

import DB.DB;

public class Dao {

public boolean add(User user) {

String sql = "insert into USER(username, password) values('" + user.getUsername() + "','" + user.getPassword() + "')";

Connection conn = DB.getConn();//调用方法连接数据库

Statement state = null;

boolean f = false;

int a = 0 ;

try { //监视大括号内的代码

state = conn.createStatement();

a = state.executeUpdate(sql);

} catch (Exception e) { //捕获错误

e.printStackTrace();

} finally {

//关闭z 连接

DB.close(state, conn);

}

if (a > 0) {

f = true;

}

return f;

}

public String search(String username) {

String sql = "select \* from USER where ";

if (username!= "") {

sql += "username like '%" + username + "%'";

}

Connection conn = DB.getConn();

Statement state = null;

ResultSet rs = null;

String password2 = null;

try {

state = conn.createStatement();

rs = state.executeQuery(sql);

while (rs.next()) {

password2 = rs.getString("password");

}

} catch (SQLException e) {

e.printStackTrace();

} finally {

DB.close(rs, state, conn);

}

return password2;

}

}

DB.java：

package DB;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

public class DB {

public static String db\_url = "jdbc:mysql://localhost:3306/test";

public static String db\_user = "root";

public static String db\_pass = "root";

public static Connection getConn () {

Connection conn = null;

try {

Class.forName("com.mysql.jdbc.Driver");//加载驱动

conn = DriverManager.getConnection(db\_url, db\_user, db\_pass);

} catch (Exception e) {

e.printStackTrace();

}

return conn;

}

/\*\*

\* 关闭连接

\* @param state

\* @param conn

\*/

public static void close (Statement state, Connection conn) {

if (state != null) {

try {

state.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

if (conn != null) {

try {

conn.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

}

public static void close (ResultSet rs, Statement state, Connection conn) {

if (rs != null) {

try {

rs.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

if (state != null) {

try {

state.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

if (conn != null) {

try {

conn.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

}

public static void main(String[] args) throws SQLException {

Connection conn = getConn();

PreparedStatement pstmt = null;

ResultSet rs = null;

String sql ="select \* from USER";

pstmt = conn.prepareStatement(sql);

rs = pstmt.executeQuery();

if(rs.next()){

System.out.println("空");

}else{

System.out.println("不空");

}

}

}

Useservlet.java:

package Servlet;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import Bean.User;

import Dao.Dao;

/\*\*

\* Servlet implementation class UserServlet

\*/

@WebServlet("/UserServlet")

public class UserServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public UserServlet() {

super();

// TODO Auto-generated constructor stub

}

Dao dao = new Dao();

protected void service(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

req.setCharacterEncoding("utf-8");

String method = req.getParameter("method");

if ("add".equals(method)) {

add(req, resp);

} else if ("search".equals(method)) {

search(req, resp);

}

}

private void search(HttpServletRequest req, HttpServletResponse resp) throws IOException, ServletException {

// TODO Auto-generated method stub

req.setCharacterEncoding("utf-8");

String username = req.getParameter("username");

String password = req.getParameter("password");

String rpassword = dao.search(username);

if(password.equals(rpassword)) {

req.setAttribute("message", "登陆成功！");

req.getRequestDispatcher("index.jsp").forward(req,resp);

}

else {

req.setAttribute("message", "账号不存在或密码错误！");

req.getRequestDispatcher("jiemian.jsp").forward(req,resp);

}

}

private void add(HttpServletRequest req, HttpServletResponse resp) throws IOException, ServletException {

// TODO Auto-generated method stub

String username = req.getParameter("username");

String password = req.getParameter("password");

User user= new User(username,password);

if(dao.add(user)) {

req.setAttribute("message", "注册成功!");

req.getRequestDispatcher("jiemian.jsp").forward(req, resp);

}else {

req.setAttribute("message", "账号重复，请重新输入!");

req.getRequestDispatcher("zhuce.jsp").forward(req, resp);

}

}

}

Coursedao.java:

package wj.dao;

//对数据库的操作

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.ArrayList;

import java.util.List;

import wj.entity.Course;

import wj.util.DBUtil;

/\*\*

\* 课程Dao

\* Dao层操作数据

\* @author Wei

\*

\*/

public class CourseDao {

/\*\*

\* 添加 增

\* @param course

\* @return

\*/

public boolean add(Course course) {

String sql = "insert into course(name, teacher, classroom) values('" + course.getName() + "','" + course.getTeacher() + "','" + course.getClassroom() + "')";

Connection conn = DBUtil.getConn();

Statement state = null;

boolean f = false;

int a = 0;

try {

state = conn.createStatement();

state.executeUpdate(sql);

} catch (Exception e) {

e.printStackTrace();

} finally {

DBUtil.close(state, conn);

}

if (a > 0) {

f = true;

}

return f;

}

/\*\*

\* 删除

\*

\*参数 @param id

\* @return

\*/

public boolean delete (int id) {

String sql = "delete from course where id='" + id + "'";

Connection conn = DBUtil.getConn();

Statement state = null;

boolean f = false;

int a = 0;

try {

state = conn.createStatement();

a = state.executeUpdate(sql);

} catch (SQLException e) {

e.printStackTrace();

} finally {

DBUtil.close(state, conn);

}

if (a > 0) {

f = true;

}

return f;

}

/\*\*

\* 修改

\* @param name

\* @param pass

\*/

public boolean update(Course course) {

String sql = "update course set name='" + course.getName() + "', teacher='" + course.getTeacher() + "', classroom='" + course.getClassroom()

+ "' where id='" + course.getId() + "'";

Connection conn = DBUtil.getConn();

Statement state = null;

boolean f = false;

int a = 0;

try {

state = conn.createStatement();

a = state.executeUpdate(sql);

} catch (SQLException e) {

e.printStackTrace();

} finally {

DBUtil.close(state, conn);

}

if (a > 0) {

f = true;

}

return f;

}

/\*\*

\* 验证课程名称是否唯一

\* true --- 不唯一

\* @param name

\* @return

\*/

public boolean name(String name) {

boolean flag = false;

String sql = "select name from course where name = '" + name + "'";

Connection conn = DBUtil.getConn();

Statement state = null;

ResultSet rs = null;

try {

state = conn.createStatement();

rs = state.executeQuery(sql);

while (rs.next()) {

flag = true;

}

} catch (SQLException e) {

e.printStackTrace();

} finally {

DBUtil.close(rs, state, conn);

}

return flag;

}

/\*\*

\* 通过ID得到类

\* @param id

\* @return

\*/

public Course getCourseById(int id) {

String sql = "select \* from course where id ='" + id + "'";

Connection conn = DBUtil.getConn();

Statement state = null;

ResultSet rs = null;

Course course = null;

try {

state = conn.createStatement();

rs = state.executeQuery(sql);

while (rs.next()) {

String name = rs.getString("name");

String teacher = rs.getString("teacher");

String classroom = rs.getString("classroom");

course = new Course(id, name, teacher, classroom);

}

} catch (Exception e) {

e.printStackTrace();

} finally {

DBUtil.close(rs, state, conn);

}

return course;

}

/\*\*

\* 通过name得到Course

\* @param name

\* @return

\*/

public Course getCourseByName(String name) {

String sql = "select \* from course where name ='" + name + "'";

Connection conn = DBUtil.getConn();

Statement state = null;

ResultSet rs = null;

Course course = null;

try {

state = conn.createStatement();

rs = state.executeQuery(sql);

while (rs.next()) {

int id = rs.getInt("id");

String teacher = rs.getString("teacher");

String classroom = rs.getString("classroom");

course = new Course(id, name, teacher, classroom);

}

} catch (Exception e) {

e.printStackTrace();

} finally {

DBUtil.close(rs, state, conn);

}

return course;

}

/\*\*

\* 查找

\* @param name

\* @param teacher

\* @param classroom

\* @return

\*/

public List<Course> search(String name, String teacher, String classroom) {

String sql = "select \* from course where ";

if (name != "") {

sql += "name like '%" + name + "%'";

}

if (teacher != "") {

sql += "teacher like '%" + teacher + "%'";

}

if (classroom != "") {

sql += "classroom like '%" + classroom + "%'";

}

List<Course> list = new ArrayList<>();

Connection conn = DBUtil.getConn();

Statement state = null;

ResultSet rs = null;

try {

state = conn.createStatement();

rs = state.executeQuery(sql);

Course bean = null;

while (rs.next()) {

int id = rs.getInt("id");

String name2 = rs.getString("name");

String teacher2 = rs.getString("teacher");

String classroom2 = rs.getString("classroom");

bean = new Course(id, name2, teacher2, classroom2);

list.add(bean);

}

} catch (SQLException e) {

e.printStackTrace();

} finally {

DBUtil.close(rs, state, conn);

}

return list;

}

/\*\*

\* 全部数据

\* @param name

\* @param teacher

\* @param classroom

\* @return

\*/

public List<Course> list() {

String sql = "select \* from course";

List<Course> list = new ArrayList<>();

Connection conn = DBUtil.getConn();

Statement state = null;

ResultSet rs = null;

try {

state = conn.createStatement();

rs = state.executeQuery(sql);

Course bean = null;

while (rs.next()) {

int id = rs.getInt("id");

String name2 = rs.getString("name");

String teacher2 = rs.getString("teacher");

String classroom2 = rs.getString("classroom");

bean = new Course(id, name2, teacher2, classroom2);

list.add(bean);

}

} catch (SQLException e) {

e.printStackTrace();

} finally {

DBUtil.close(rs, state, conn);

}

return list;

}

}

Course.java:

package wj.entity;

public class Course {

private int id;

private String name;

private String teacher;

private String classroom;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getTeacher() {

return teacher;

}

public void setTeacher(String teacher) {

this.teacher = teacher;

}

public String getClassroom() {

return classroom;

}

public void setClassroom(String classroom) {

this.classroom = classroom;

}

public Course() {}

//\*构造方法

public Course(int id, String name, String teacher, String classroom) {

this.id = id;

this.name = name;

this.teacher = teacher;

this.classroom = classroom;

}

public Course(String name, String teacher, String classroom) {

this.name = name;

this.teacher = teacher;

this.classroom = classroom;

}

}