第十七周实验内容：（要求：把代码及运行结果截图放在文档中）

1. 实现登录功能

要求：

1、创建数据库表user表（两个字段：用户名和密码）

2、编写封装数据库操作的工具类javabean

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|  |

3、编写登录界面，当输入的用户名和密码与数据库中的用户名和密码相同时跳转到登录成功的界面。要求：与数据库有关的操作通过usebean动作加载数据库工具类的Javabean实现。

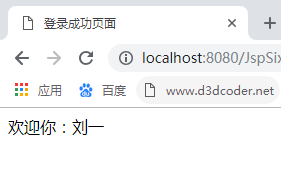
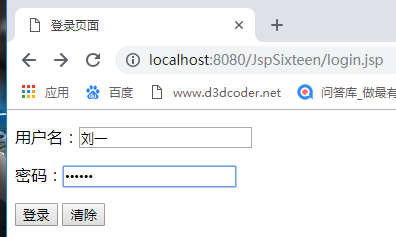
|  |
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二、学的快的同学用Javabean封装数据库改写学生信息管理系统（选做）

一：

**截图：**





**代码：**

**DBconnection.java**

**package** conn;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**import** com.mysql.cj.protocol.Resultset;

**public** **class** DBconnection {

**private** String url = "jdbc:mysql://localhost:3306/myworkdata?serverTimezone=GMT&useUnicode=true&characterEncoding=utf-8&useSSL=false";

**private** String driverName="com.mysql.jdbc.Driver";

**private** String user = "root";

**private** String userpwd = "tiger";

Connection conn;

**private** **void** getConnection() **throws** ClassNotFoundException, SQLException{

**if**(conn == **null** || conn.isClosed()){

Class.*forName*(driverName);

conn = DriverManager.*getConnection*(url, user, userpwd);

}

}

// 关闭连接

**public** **void** closeConnection() **throws** SQLException{

**if**(conn != **null** && !conn.isClosed()){

conn.close();

}

}

// 查询

**public** ResultSet query(String sql) **throws** Exception{

getConnection();

ResultSet rs = **null**;

Statement stat = conn.createStatement(ResultSet.***TYPE\_SCROLL\_SENSITIVE***, ResultSet.***CONCUR\_READ\_ONLY***);

rs = stat.executeQuery(sql);

**return** rs;

}

// 修改

**public** **void** udpate(String sql) **throws** Exception{

getConnection();

Statement stat = conn.createStatement();

stat.execute(sql);

}

}

login.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>登录页面</title>

</head>

<body>

<form action=*"logincheck.jsp"* method=*"get"*>

<p>用户名：<input type=*"text"* name=*"username"* /></p>

<p>密码：<input type=*"password"* name=*"password"* /></p>

<p><input type=*"submit"* value=*"登录"*/> <input type=*"reset"* value=*"清除"*/></p>

</form>

</body>

</html>

logincheck.jsp

<%@page import=*"java.sql.ResultSet"*%>

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>页面</title>

</head>

<body>

<% request.setCharacterEncoding("utf-8");%>

<!-- userbean获取数据库连接 -->

<jsp:useBean id=*"dbcon"* class=*"conn.DBconnection"*></jsp:useBean>

<%

//获取输入的用户名和密码

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

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

//sql

String sql = "select \* from user where username = '"+username+"' and password = '"+password+"'";

ResultSet rs = dbcon.query(sql);

**if**(rs.next()){

session.setAttribute("username", username);

response.sendRedirect("loginsuc.jsp");

}**else**{

response.sendRedirect("login.jsp");

}

%>

</body>

</html>

loginsuc.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>登录成功页面</title>

</head>

<body>

欢迎你：<%=session.getAttribute("username") %>

</body>

</html>

二：

**修改的两个页面代码**

logincheck.jsp

<%@page import=*"java.sql.ResultSet"*%>

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Insert title here</title>

</head>

<body>

<!-- userbean获取数据库连接 -->

<jsp:useBean id=*"dbcon"* class=*"conn.DBconnection"*></jsp:useBean>

<%

request.setCharacterEncoding("utf-8");

String name = request.getParameter("userNo");

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

String type = request.getParameter("userType");

session.setAttribute("name", name);

session.setAttribute("type", type);

String sql = "select \* from login where Uname = '"+name+"' and Upass = '"+password+"' and Utype = '"+type+"'";

ResultSet rs = dbcon.query(sql);

**if**(rs.next()){

response.sendRedirect("../Stumain/stumain.jsp");

}**else**{

response.sendRedirect("login.jsp");

}

%>

</body>

</html>

lookstu.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@page import=*"java.sql.\*"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Insert title here</title>

</head>

<body style="background-image: *url(../images/bg.jpg)*; background-repeat:*no-repeat*;">

<!-- userbean获取数据库连接 -->

<jsp:useBean id=*"dbcon"* class=*"conn.DBconnection"*></jsp:useBean>

<div>

<font style="height:*30px*; backgroud-color: *#33ccff*;font-weight: *bold*;color: *white*;width: *180px*;">

当前页面--&gt;学生信息查询

</font>

</div>

<div>

<%

String sql = "select \* from student";

ResultSet rs = dbcon.query(sql);

rs.last();

%>

<center>

<div style="height:*200px*;">

<table>

<tr>

<th>学生信息查询</th>

</tr>

<tr>

<td>你要查询的学生共有<font size=*"5"* color=*"red"*><%=rs.getRow() %></font>人</td>

</tr>

</table>

</div>

<table border=*"2"* bgcolor=*"#ccceee"* width=*"600"*>

<tr bgcolor=*"#cccccc"* align=*"center"*>

<th>记录条数</th>

<th>学号</th>

<th>姓名</th>

<th>性别</th>

<th>年龄</th>

<th>体重</th>

</tr>

<%

rs.beforeFirst();

**while**(rs.next()){

%>

<tr align=*"center"*>

<td><%=rs.getRow() %></td>

<td><%=rs.getString("studentnumber") %></td>

<td><%=rs.getString("studentname") %></td>

<td><%=rs.getString("studentsex") %></td>

<td><%=rs.getString("studentage") %></td>

<td><%=rs.getString("studentweight") %></td>

</tr>

<%

}

rs.close();

%>

</table>

</center>

</div>

</body>

</html>