**实 验 报 告**

**辽宁科技大学计算机与软件工程学院 2022年5月26日**

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| **课名： JSP程序设计** | **实验题目：综合实验** | | |
| **班级：软件204** | **姓名:于有为** | **学号：120203504005** | **任课教师：袁平** |
| **实验目的：**   1. 根据课程所学内容，完成一个用户登录或用户注册综合实例。 | | | |
| **实验内容：**   1. 实验习题1注册   解题内容  **package com.uvcode.bean;  public class UserInfo {   String userName = "",userPassword="";   public String getUserName() {  return userName;  }   public void setUserName(String userName) {  this.userName = userName;  }   public String getUserPassword() {  return userPassword;  }   public void setUserPassword(String userPassword) {  this.userPassword = userPassword;  }  }**  **package com.uvcode.servlet;  import com.uvcode.bean.UserInfo;  import javax.servlet.\*; import javax.servlet.http.\*; import javax.servlet.annotation.\*; import java.io.IOException; import java.sql.Connection; import java.sql.DriverManager; import java.sql.SQLException; import java.sql.Statement;  @WebServlet("/Register") public class Register extends HttpServlet {  private static final long serialVersionUID = 1L;   public Register() {  super();  }   private String driver = "com.mysql.cj.jdbc.Driver";  private String uri = "jdbc:mysql://localhost:3306/studatabase?characterEncoding=utf8";  private String mysqlUser = "root";  private String mysqlPass = "root";   protected void doGet(HttpServletRequest request, HttpServletResponse response)  throws ServletException, IOException {   String userName = request.getParameter("userName");  String userPassword = request.getParameter("userPassword");   if (userName.equals("") || userName == null || userPassword.equals("") || userPassword == null) {  response.sendRedirect("register/fail.jsp");  } else {  String sqlstr = "INSERT INTO UserInfo(userName,userPassword) VALUES('" + userName + "','" + userPassword  + "')";   try {  Class.forName(driver);  } catch (ClassNotFoundException e) {  e.printStackTrace();  }   try {  Connection conn = DriverManager.getConnection(uri, mysqlUser, mysqlPass);  Statement stmt = conn.createStatement();  int num = stmt.executeUpdate(sqlstr);  if (num>0) {  UserInfo user = new UserInfo();  user.setUserName(userName);  user.setUserPassword(userPassword);  request.setAttribute("user", user);  RequestDispatcher dis = request.getRequestDispatcher("register/success.jsp");  dis.forward(request, response);  } else {  response.sendRedirect("register/fail.jsp");  }  } catch (SQLException e) {  e.printStackTrace();  }    }   }   protected void doPost(HttpServletRequest request, HttpServletResponse response)  throws ServletException, IOException {  doGet(request, response);  }  }**  **<%@ 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>注册</title> <style type="text/css"> input[type="submit"] {  display: block;  margin: 0 auto;  width: 200px; } </style> </head> <body>  <form action="/Register" method="get">  <table border="1">  <tr>  <td>用户名：</td>  <td><input type="text" name="userName" /></td>  </tr>  <tr>  <td>密码：</td>  <td><input type="password" name="userPassword" /></td>  </tr>  <tr>  <td colspan="2"><input type="submit" value="注册" /></td>  </tr>  </table>  </form> </body> </html>**  **<%@ 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>   注册失败！  </body> </html>**  **<%@ 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> 注册成功！欢迎您，${user.userName }! </body> </html>**   1. 实验习题2登录   解题内容  **package com.uvcode.bean;  public class UserInfo {   String userName = "",userPassword="";   public String getUserName() {  return userName;  }   public void setUserName(String userName) {  this.userName = userName;  }   public String getUserPassword() {  return userPassword;  }   public void setUserPassword(String userPassword) {  this.userPassword = userPassword;  }  }**  **package com.uvcode.servlet;  import com.uvcode.bean.UserInfo;  import javax.servlet.\*; import javax.servlet.http.\*; import javax.servlet.annotation.\*; import java.io.IOException; import java.sql.\*;  @WebServlet("/Login")  public class Login extends HttpServlet {  private static final long serialVersionUID = 1L;   // 私有的、静态的、成员变量  private static String driver = "com.mysql.cj.jdbc.Driver";  private static String uri = "jdbc:mysql://localhost:3306/studatabase?characterEncoding=utf8";  private static String user = "root";  private static String password = "root";   public Login() {  super();  }   protected void doGet(HttpServletRequest request, HttpServletResponse response)  throws ServletException, IOException {   String userName = request.getParameter("userName");  String userPassword = request.getParameter("userPassword");   if (userName.equals("") || userPassword.equals("")) {  response.sendRedirect("fail.jsp");  } else {  String sqlstr = "Select \* from userinfo where userName = '" + userName + "' and userPassword = '"  + userPassword + "'";   try {  Class.forName(driver);  } catch (ClassNotFoundException e) {  e.printStackTrace();  }   try {  Connection conn = DriverManager.getConnection(uri,user,password);  Statement stmt = conn.createStatement();  ResultSet rs = stmt.executeQuery(sqlstr);  if (rs.next()) {  UserInfo user = new UserInfo();  user.setUserName(userName);  user.setUserPassword(userPassword);  request.setAttribute("user", user);  request.getRequestDispatcher("login/success.jsp").forward(request, response);   } else {  response.sendRedirect("login/fail.jsp");  }  } catch (SQLException e) {  e.printStackTrace();  }   }   }   protected void doPost(HttpServletRequest request, HttpServletResponse response)  throws ServletException, IOException {  doGet(request, response);  }  }**  **<%@ 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"> <style type="text/css">  input[type="submit"]{  display:block;  margin:0 auto;  width:200px;   } </style> <title>登录</title> </head> <body>  <form action="/Login" method="get">  <table border="1">  <tr>  <td>用户名：</td>  <td><input type="text" name="userName" /></td>  </tr>  <tr>  <td>密码：</td>  <td><input type="password" name="userPassword" /></td>  </tr>  <tr>  <td colspan="2"><input type="submit" value="登录" /></td>  </tr>  </table>   </form> </body> </html>**  **<%@ 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> 登录失败！ </body> </html>**  **<%@ 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> 欢迎您，${user.userName }! </body>** **</html>** | | | |
| **实验心得：**  **本次实验完成了登录和注册的页面小程序设计，主要问题是将登录注册两个工程合为一个工程，我的做法是将登录和注册的三个页面分别放在不同的文件夹中，并重新设置好路径。在Servlet中使用了注释进行配置，并简化了application context，最终使工程正常运行，实现了本次实验的要求。**  **这学期的jsp程序设计课程至今天告一段落了，感谢袁老师三个月以来的谆谆教诲，Javaweb的相关知识在学习完jsp程序设计后变得更加清晰了，同时袁老师对作业格式的严格要求同样让我受益匪浅，只有条理清晰后才能写出逻辑更为复杂的代码！祝袁老师工作顺利，身体健康，万事如意！** | | | |
| **评语：** | | | |