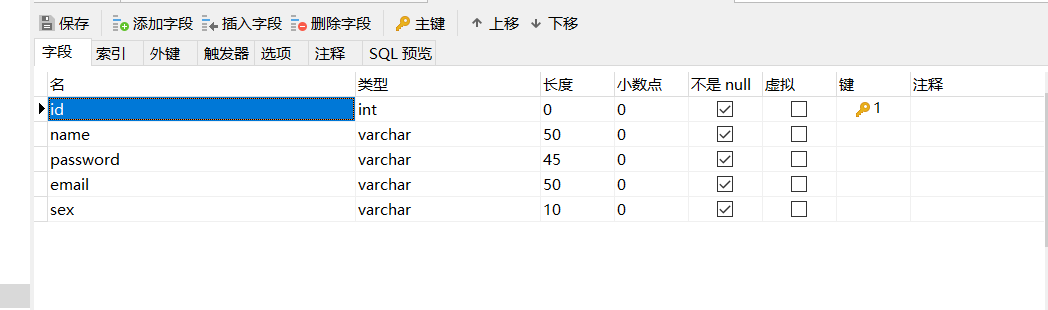
**《用户注册》作业**

班级：计科18105 学号： 45418281 姓名：陈亮

1. 数据表设计



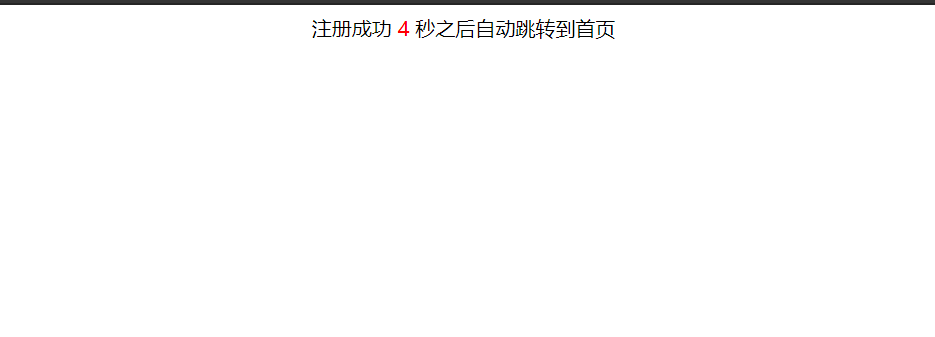
二、页面效果截图及实现代码

1.注册页面效果图



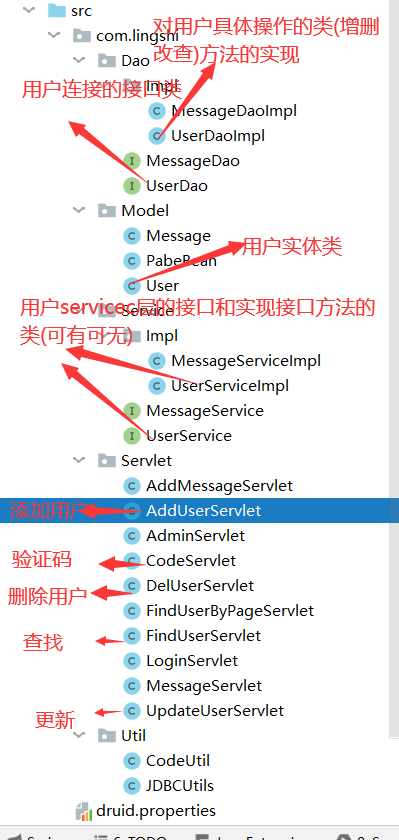
2.用户修改界面

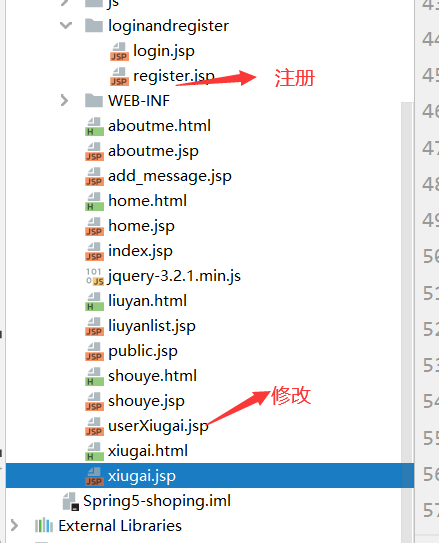






1. 整体结构





1. 代码部分
2. 数据库连接池
3. **package** com.lingshi.Util;  
   **import** com.alibaba.druid.pool.DruidDataSourceFactory;  
   **import** javax.sql.DataSource;  
   **import** java.io.IOException;  
   **import** java.sql.Connection;  
   **import** java.sql.ResultSet;  
   **import** java.sql.SQLException;  
   **import** java.sql.Statement;  
   **import** java.util.Properties;  
   */\*\*  
    \* Druid连接池的工具类  
    \*/***public class** JDBCUtils {  
    *//1.定义成员变量 DataSource* **private static** DataSource *ds* ;  
    **static**{  
    **try** {  
    *//1.加载配置文件* Properties pro = **new** Properties(); pro.load(JDBCUtils.**class**.getClassLoader().getResourceAsStream(**"druid.properties"**));  
    *//2.获取DataSource  
    ds* = DruidDataSourceFactory.*createDataSource*(pro);  
    } **catch** (IOException e) {  
    e.printStackTrace();  
    } **catch** (Exception e) {  
    e.printStackTrace();  
    }}  
    */\*\*  
    \* 获取连接  
    \*/* **public static** Connection getConnection() **throws** SQLException {  
    **return** *ds*.getConnection(); }  
     
    */\*\*  
    \* 释放资源  
    \*/* **public static void** close(Statement stmt,Connection conn){  
    *close*(**null**,stmt,conn); }  
    **public static void** close(ResultSet rs , Statement stmt, Connection conn){  
    **if**(rs != **null**){  
    **try** {  
    rs.close();  
    } **catch** (SQLException e) {  
    e.printStackTrace();  
    } }  
    **if**(stmt != **null**){  
    **try** {  
    stmt.close();  
    } **catch** (SQLException e) {  
    e.printStackTrace();  
    } }  
    **if**(conn != **null**){  
    **try** {  
    conn.close();*//归还连接* } **catch** (SQLException e) {  
    e.printStackTrace();  
    } } }  
    */\*\*  
    \* 获取连接池方法  
    \*/* **public static** DataSource getDataSource(){  
    **return** *ds*; }}

2.注册界面代码

<%@ **page contentType**="**text/html;charset=UTF-8**" **language**="**java**" %>  
<**html**>  
<**head**>  
 <**div class="modal-body thumbnail"**>  
 <**form action="${**pageContext.request.contextPath**}/adduserservlet" method="post" class="form-horizontal"** >  
 <**div class="form-group"**>  
 <**label for="inputEmail3" class="col-sm-3 control-label"**>name</**label**>  
 <**div class="col-sm-9"**>  
 <**input type="text" name="name" class="form-control" id="inputEmail3" placeholder="name"**>  
 </**div**>  
 </**div**>  
 <**div class="form-group"**>  
 <**label for="inputPassword3" class="col-sm-3 control-label"**>Password</**label**>  
 <**div class="col-sm-9"**>  
 <**input type="password" name="password" class="form-control" id="inputPassword3" placeholder="Password"**>  
 </**div**>  
 </**div**>  
  
 <**div class="form-group"**>  
 <**label for="inputPassword3" class="col-sm-3 control-label"**>Email</**label**>  
 <**div class="col-sm-9"**>  
 <**input type="email" name="email" class="form-control" id="inputEmail4" placeholder="Email"**>  
 </**div**>  
 </**div**>  
 <**div class="form-group"**>  
 <**label class="radio-inline " style="margin-left**: 30%**"**>  
 <**input type="radio" name="sex" value="男"**>男性  
 </**label**>  
 <**label class="radio-inline "**>  
 <**input type="radio" name="sex" value="女"**>女性  
 </**label**>  
 </**div**>  
 <**div class="form-group"**>  
 <**label for="inputPassword3" class="col-sm-3 control-label"**>验证码</**label**>  
 <**div** >  
 <**input style="width**: 70**px" type="text" name="code" placeholder="验证码"**>  
 <**img id="getcodes" alt="" src="getcode+" onclick="this**.**src**=**'getcode?'**+**new *Date***().getTime()**" style="float**: **right**; **margin-right**: 40**px**; **width**: 110**px**; **height**: 30**px"**>  
 </**div**>  
 </**div**>  
 <**div class="form-group"**>  
 <**div style="margin-left**:40%**" class="col-sm-offset-2 "**>  
 <**button type="submit" class="btn btn-default"**>注册</**button**>  
 <**button type="reset" class="btn btn-default"**>重置</**button**>  
 </**div**>  
 </**div**>  
 </**form**>  
 </**div**>  
</**head**>  
<**body**>  
</**body**>  
</**html**>

1. 对用户的操作类
2. **package** com.lingshi.Dao.Impl;  
   **import** com.lingshi.Dao.UserDao;  
   **import** com.lingshi.Model.User;  
   **import** com.lingshi.Util.JDBCUtils;  
   **import** org.springframework.jdbc.core.BeanPropertyRowMapper;  
   **import** org.springframework.jdbc.core.JdbcTemplate;  
   **import** javax.sql.DataSource;  
   **import** java.util.List;  
   **public class** UserDaoImpl **implements** UserDao {  
    DataSource **dataSource**;  
    **private** JdbcTemplate **template** =**new** JdbcTemplate(JDBCUtils.*getDataSource*());  
    *//1.查询所有* @Override  
    **public** List<User> findAll() {  
    String sql=**"select** *\****from users"**;  
    List<User> users = **template**.query(sql, **new** BeanPropertyRowMapper<User>(User.**class**));  
    **return** users;  
    }  
    *//2.用户登录操作,通过查询姓名,密码* @Override  
    **public** User findUserByUsernameAndPassword(String name, String password) {  
    **try** {  
    String sql = **"select** *\** **from users where name=? and password=?"**;  
    User user = **template**.queryForObject(sql, **new** BeanPropertyRowMapper<User>(User.**class**), name, password);  
    **return** user;  
    }**catch** (Exception e){  
    e.printStackTrace();  
    **return null**;  
    }  
    }  
    *//用户添加* @Override  
    **public void** add(User user) {  
    *//1. 定义sql* String sql=**"insert into users values(null,?,?,?,?)"**;  
    *//2.执行* **template**.update(sql,  
    user.getName(),  
    user.getPassword(),  
    user.getEmail(),  
    user.getSex());  
     
    }  
    *//用户删除* @Override  
    **public void** delete(**int** id) {  
    *//1.定义sql* String sql=**"delete from users where id=?"**;  
    *//2.执行sql* **template**.update(sql,id);  
    }  
    *//通过id查询* @Override  
    **public** User findById(**int** id) {  
    String sql =**"select** *\** **from users where id=?"**;  
    **return template**.queryForObject(sql,**new** BeanPropertyRowMapper<User>(User.**class**),id);  
    }  
   *// 更新(修改)用户* @Override  
    **public void** updateUser(User user) {  
    String sql=**"update users set name=?, password=?, email=?,sex=? where id=?"**;  
    **template**.update(sql,user.getName(),  
    user.getPassword(),  
    user.getEmail(),  
    user.getSex(),  
    user.getId());  
    }
3. **添加的servlet**
4. **package** com.lingshi.Servlet;  
   **import** com.lingshi.Model.User;  
   **import** com.lingshi.Service.Impl.UserServiceImpl;  
   **import** com.lingshi.Service.UserService;  
   **import** org.apache.commons.beanutils.BeanUtils;  
   **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** java.io.IOException;  
   **import** java.lang.reflect.InvocationTargetException;  
   **import** java.util.Map;  
   @WebServlet(**"/adduserservlet"**)  
   **public class** AddUserServlet **extends** HttpServlet {  
    @Override  
    **protected void** doPost(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {  
    *//1.设置编码* req.setCharacterEncoding(**"utf-8"**);  
    *//2.获取参数* Map<String, String[]> map = req.getParameterMap();  
    *//3.封装对象* User user =**new** User();  
    **try** {  
    BeanUtils.*populate*(user,map);  
    } **catch** (IllegalAccessException e) {  
    e.printStackTrace();  
    } **catch** (InvocationTargetException e) {  
    e.printStackTrace();  
    }  
    UserService userService=**new** UserServiceImpl();  
    userService .addUser(user);  
    *//5.跳转到登录成功页面* resp.sendRedirect(req.getContextPath()+**"/error/addsucceed.jsp"**);  
    }  
    @Override  
    **protected void** doGet(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {  
    **this**.doPost(req,resp);  
    }  
   }

**7.删除的servlet**

**package** com.lingshi.Servlet;  
**import** com.lingshi.Service.Impl.UserServiceImpl;  
**import** com.lingshi.Service.UserService;  
**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** java.io.IOException;  
@WebServlet(**"/deluserservlet"**)  
**public class** DelUserServlet **extends** HttpServlet {  
 @Override  
 **protected void** doPost(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {  
 String id = req.getParameter(**"id"**);  
 UserService service= **new** UserServiceImpl();  
 service.delete(id); resp.sendRedirect(req.getContextPath()+**"/finduserbypageservlet"**);  
 }  
 @Override  
 **protected void** doGet(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {  
 **this**.doPost(req,resp);  
 }  
}

查找的servlet

**package** com.lingshi.Servlet;  
**import** com.lingshi.Model.User;  
**import** com.lingshi.Service.Impl.UserServiceImpl;  
**import** com.lingshi.Service.UserService;  
**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** java.io.IOException;  
  
@WebServlet(**"/finduserservlet"**)  
**public class** FindUserServlet **extends** HttpServlet {  
 @Override  
 **protected void** doPost(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {  
 *//1.获取id* String id = req.getParameter(**"id"**);  
 UserService service =**new** UserServiceImpl();  
 User user= service.findUserById(id);  
 req.setAttribute(**"user"**,user);  
 req.getRequestDispatcher(**"/xiugai.jsp"**).forward(req,resp);  
 }  
  
 @Override  
 **protected void** doGet(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {  
 **this**.doPost(req,resp);  
 }  
}

**8.更新的servlet**

@WebServlet(**"/updateuserservlet"**)  
**public class** UpdateUserServlet **extends** HttpServlet {  
 @Override  
 **protected void** doPost(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {  
 req.setCharacterEncoding(**"utf-8"**);  
 Map<String, String[]> map = req.getParameterMap();  
 User user=**new** User();  
 **try** {  
 BeanUtils.*populate*(user,map);  
 } **catch** (IllegalAccessException e) {  
 e.printStackTrace();  
 } **catch** (InvocationTargetException e) {  
 e.printStackTrace();  
 }  
 UserService service =**new** UserServiceImpl();  
 service.updateUser(user); resp.sendRedirect(req.getContextPath()+**"/adminservlet"**);  
 }  
 @Override  
 **protected void** doGet(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {  
 **this**.doPost(req,resp);  
 }  
}

**9.修改界面的jsp代码**

<%@ **page contentType**="**text/html;charset=UTF-8**" **language**="**java**" %>  
<%@ **taglib prefix**="**c**" **uri**="**http://java.sun.com/jsp/jstl/core**" %>  
<**html**>  
<**head**>  
 <**meta charset="utf-8"**>  
 <**meta http-equiv="X-UA-Compatible" content="IE=edge"**>  
 <**meta name="viewport" content="width=device-width, initial-scale=1"**>  
 <**title**>用户修改</**title**>  
<**link href="https://cdn.jsdelivr.net/npm/bootstrap@3.3.7/dist/css/bootstrap.min.css" rel="stylesheet"**>  
 </**head**>  
<**body**>  
<**div class="container" style="width**: 400**px**;**"**>  
 <**h3 style="text-align**: **center**;**"**>修改联系人</**h3**>  
 <**form action="${**pageContext.request.contextPath**}/home.jsp" method="post"**>  
 <**input type="hidden" name="id" value="${**user.id**}"**>  
 <**div class="form-group"**>  
 <**label for="name"**>姓名：</**label**>  
 <**input type="text" class="form-control" id="name" value="${**user.name**}" name="name" readonly="readonly" placeholder="请输入姓名"** />  
 </**div**>  
 <**div class="form-group"**>  
 <**label for="password"**>密码：</**label**>  
 <**input type="text" id="password" class="form-control" value="${**user.password**}"name="password" placeholder="请输入密码"**/>  
 </**div**>  
 <**div class="form-group"**>  
 <**label for="email"**>Email：</**label**>  
 <**input type="text" id="email" class="form-control"value="${**user.email**}" name="email" placeholder="请输入邮箱地址"**/>  
 </**div**>  
 <**div class="form-group"**>  
 <**label**>性别：</**label**>  
 <**c:if test="${**user.sex==**'男'}"**>  
 <**input type="radio" name="sex" value="男" checked** />男  
 <**input type="radio" name="sex" value="女"** />女  
 </**c:if**>  
 <**c:if test="${**user.sex==**'女'}"**>  
 <**input type="radio" name="sex" value="男"** />男  
 <**input type="radio" name="sex" value="女" checked** />女  
 </**c:if**>  
 </**div**>  
 <**div class="form-group" style="text-align**: **center"**>  
 <**input class="btn btn-primary" type="submit" value="提交"** />  
 <**input class="btn btn-default" type="reset" value="重置"** />  
 <**input class="btn btn-default" type="button" value="返回"**/>  
 </**div**>  
 </**form**>  
</**div**>  
<**script src="https://cdn.jsdelivr.net/npm/jquery@1.12.4/dist/jquery.min.js"**></**script**>  
<**script src="https://cdn.jsdelivr.net/npm/bootstrap@3.3.7/dist/js/bootstrap.min.js"**></**script**>  
</**body**>  
</**html**>

10.注册成功的jsp代码

<%@ **page contentType**="**text/html;charset=UTF-8**" **language**="**java**" %>  
<**html**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**title**>登录错误</**title**>  
 <**style**>  
 **p**{ **text-align**: **center**; }  
 **span**{ **color**: **red**;}  
 </**style**>  
</**head**>  
<**body**>  
<**p**>注册成功 <**span id="time"**>5.....</**span**> 秒之后自动跳转到首页</**p**>  
<**script**>  
 **var *second***=5;  
 **var *time*** = ***document***.getElementById(**"time"**);  
 **function** *showtime*() {***second***--; **if**(***second***<=1){ ***location***.**href**=**"http://localhost:9642/Spring5\_shoping/home.jsp"**;  
 }  
 ***time***.**innerHTML**=***second***+**""**;}  
 *setInterval*(*showtime*,1000);  
 **var *btn*** = ***document***.getElementById(**'btn'**);  
 ***btn***.**onclick**=**function** () {  
 **var** length = ***history***.**length**;  
 *alert*(length); }  
</**script**>  
</**body**>  
</**html**>