



江苏大学
JIANGSU UNIVERSITY

JAVA 程序设计课程设计

——中储粮质检信息管理系统

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班 级: 信息管理与信息系统

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中储粮质检信息管理系统

项目地址: <https://github.com/wantz1018/MISGQC>

系统简介

本系统使用 JAVAEE 程序语言, 运用 MVC 模式+ MySQL 语言组成系统架构, 完成对质检信息进行管理。

系统构成

本系统由前端页面+ mysql 数据库构成, 使用 Java 语言编写

文件树

文件夹 PATH 列表

卷序列号为 0C3F-FEA6

E:.

```
MISGQC.iml
.idea
  .gitignore
  dataSources.local.xml
  dataSources.xml
  jsLibraryMappings.xml
  misc.xml
  modules.xml
  sqldialects.xml
  uiDesigner.xml
  vcs.xml
  webContexts.xml
  workspace.xml
artifacts
  1_ear_exploded.xml
  1_war_exploded.xml
  MISGQC_war_exploded.xml
dataSources
  a5cbc3ba-1a69-43fe-8d7c-82b49e960ffb.xml
  a5cbc3ba-1a69-43fe-8d7c-82b49e960ffb
    storage_v2
      src
        schema
          mysql.osA4Bg.meta
inspectionProfiles
  Project_Default.xml
```

```

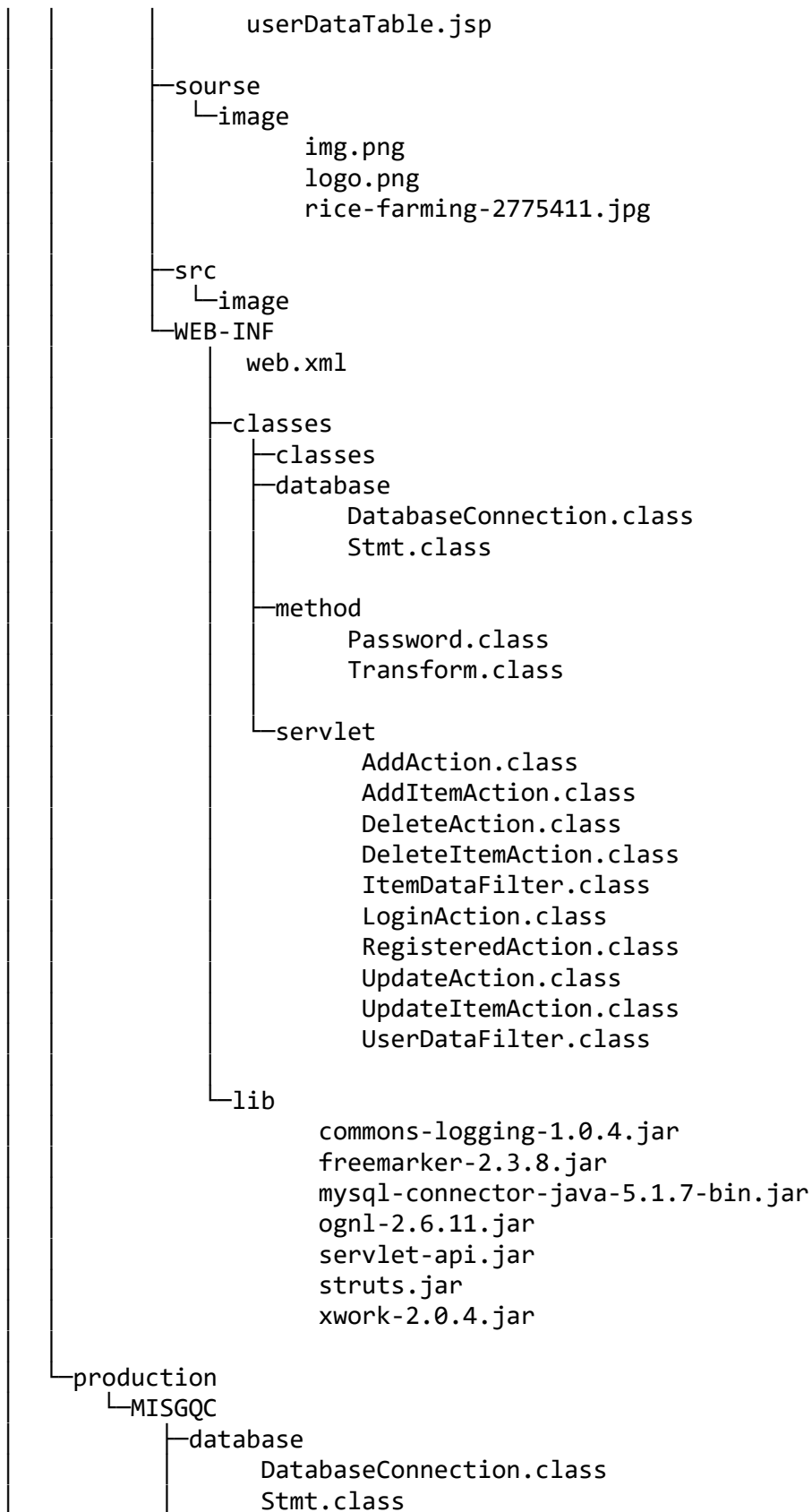
└libraries
    commons_logging_1_0_4.xml
    freemarker_2_3_8.xml
    jfreechart_1_0_9.xml
    mysql_connector_java_5_1_7_bin.xml
    ognl_2_6_11.xml
    servlet_api.xml
    struts.xml
    struts2_core_2_0_11_1.xml
    struts2_jfreechart_plugin_2_0_11_1.xml
    xwork_2_0_4.xml

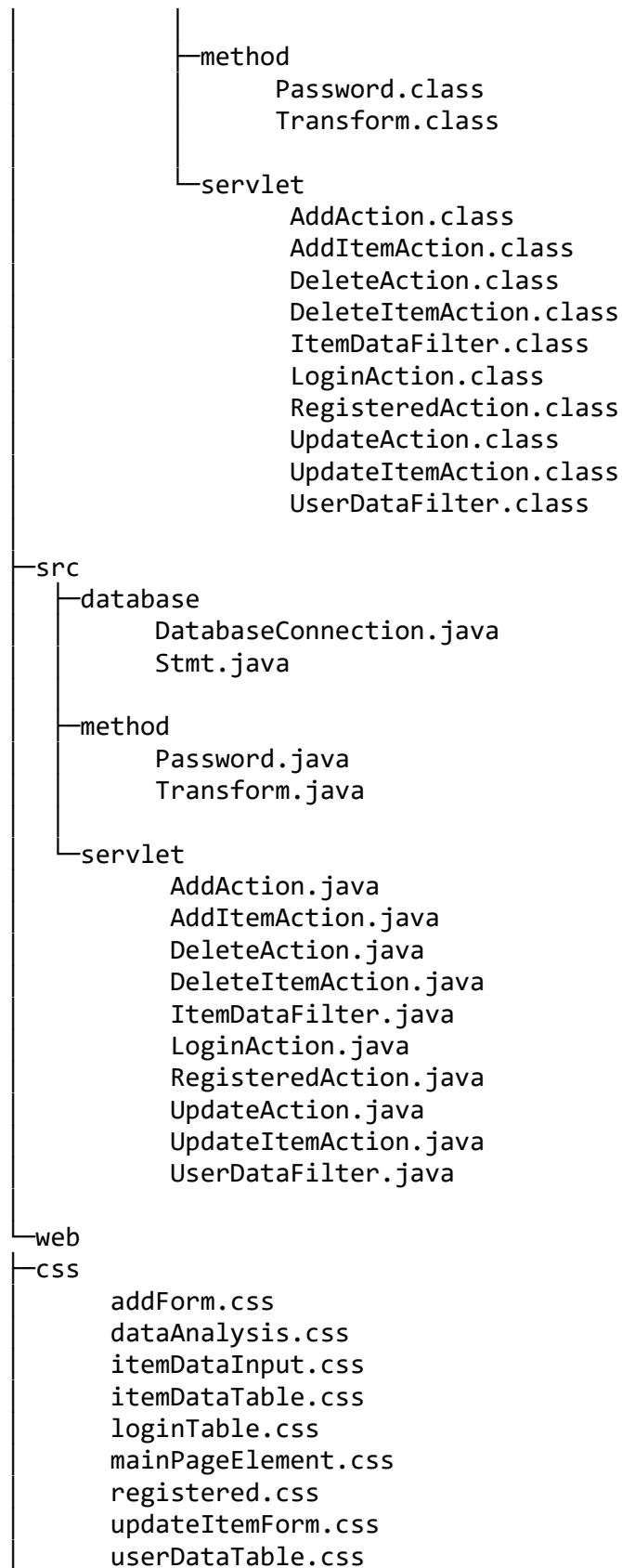
└out
    └artifacts
        └MISGQC_war_exploded
            └css
                addForm.css
                dataAnalysis.css
                itemDataInput.css
                itemDataTable.css
                loginTable.css
                mainPageElement.css
                registered.css
                updateItemForm.css
                userDataTable.css

            └js
                checkCode.js
                checkPassword.js
                dataAnalysis.js
                itemDataTable.js
                leftLabelClicked.js
                pageJump.js
                urlFilter.js
                userDataTable.js

            └pageDesign
            └pages
                addForm.jsp
                dataAnalysis.jsp
                index.jsp
                itemDataInput.jsp
                itemDataTable.jsp
                login.jsp
                main.jsp
                registered.jsp
                updateForm.jsp
                updateItemForm.jsp

```





```

- js
    checkCode.js
    checkPassword.js
    dataAnalysis.js
    itemDataTable.js
    leftLabelClicked.js
    pageJump.js
    urlFilter.js
    userDataTable.js

- pages
    addForm.jsp
    dataAnalysis.jsp
    index.jsp
    itemDataInput.jsp
    itemDataTable.jsp
    login.jsp
    main.jsp
    registered.jsp
    updateForm.jsp
    updateItemForm.jsp
    userDataTable.jsp

- source
    - image
        img.png
        logo.png
        rice-farming-2775411.jpg

- WEB-INF
    - web.xml
    - lib
        commons-logging-1.0.4.jar
        freemarker-2.3.8.jar
        jfreechart-1.0.9.jar
        mysql-connector-java-5.1.7-bin.jar
        ognl-2.6.11.jar
        servlet-api.jar
        struts.jar
        struts2-core-2.0.11.1.jar
        struts2-jfreechart-plugin-2.0.11.1.jar
        xwork-2.0.4.jar
```

本系统使用 MVC 架构，method、database 等文件夹作为模型部分，pages，js，css 作为视图层，servlet 作为控制层。通过 servlet 技术将用户数据传入服务器端并进行处理，最终返回视图数据。


接下来详细介绍各个部分功能

数据库

本系统使用 MySQL 数据库


administrator 表

系统管理员信息表

名	类型	长度	十进位	允许空值 0	
id	varchar	255	0	<input type="checkbox"/>	 1
name	varchar	255	0	<input type="checkbox"/>	
password	varchar	255	0	<input type="checkbox"/>	


record 表

质检信息表

名	类型	长度	十进位	允许空值 0	
id	varchar	255	0	<input type="checkbox"/>	 1
dateTime	varchar	255	0	<input type="checkbox"/>	
storeName	varchar	255	0	<input type="checkbox"/>	
shelfNo	varchar	255	0	<input type="checkbox"/>	
variety	varchar	255	0	<input type="checkbox"/>	
moistureAndVolatiles	double	0	0	<input type="checkbox"/>	
insolubleImpurity	double	0	0	<input type="checkbox"/>	
solventResidue	double	0	0	<input type="checkbox"/>	
acidValue	double	0	0	<input type="checkbox"/>	
peroxideValue	double	0	0	<input type="checkbox"/>	

user 表

用户数据表

名	类型	长度	十进位	允许空值 0	
id	varchar	255	0	<input type="checkbox"/>	 1
username	varchar	255	0	<input type="checkbox"/>	
password	varchar	255	0	<input type="checkbox"/>	
email	varchar	255	0	<input type="checkbox"/>	

服务器端

数据库连接方法

DatabaseConnection.java

```
package database;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
public class DatabaseConnection {  
    public static Connection connection = null;  
    public static Connection getConnection() throws Exception {  
        Class.forName("com.mysql.jdbc.Driver");  
        String url = "jdbc:mysql://localhost:3306/misgqc?useUnicode=true&characterEncoding=utf-8";  
        String username = "";  
        String password = "";  
        connection = DriverManager.getConnection(url, username, password);  
    }  
}
```

Stmt.java

```
package database;
```

```
import java.sql.Connection;
```

```
import java.sql.ResultSet;
```

```
import java.sql.SQLException;
```

```
import java.sql.Statement;
```

```
public class Stmt {
```

```
    public static ResultSet getResultSet(String table, String expression) throws SQLException {  
        Connection connection = null;  
        Statement statement = null;  
        ResultSet resultSet = null;  
        try {  
            Class.forName("com.mysql.jdbc.Driver");  
        } catch (ClassNotFoundException e) {  
            System.out.println(e.getMessage());  
        }  
        try {  
            connection = DatabaseConnection.getConnection();  
            statement = connection.createStatement();  
            resultSet = statement.executeQuery(expression);  
        } catch (Exception e) {
```

```

        System.out.print(e.getMessage());
        return null;
    }
    return resultSet;
}

public static ResultSet getResultSet(String table, String attribute,
String condition) throws SQLException {
    Connection connection = null;
    Statement statement = null;
    ResultSet resultSet = null;
    try {
        Class.forName("com.mysql.jdbc.Driver");
    } catch (ClassNotFoundException e) {
        System.out.println(e.getMessage());
    }
    try {
        connection = DatabaseConnection.getConnection();
        statement = connection.createStatement();
        resultSet = statement.executeQuery(
            "select " + attribute + " from " + table + " where
" + condition
        );
        resultSet.next();
    } catch (Exception e) {
        System.out.print(e.getMessage());
        return null;
    }
    return resultSet;
}

public static ResultSet getResultSet(String table) throws SQLExcept
ion {
    Connection connection = null;
    Statement statement = null;
    ResultSet resultSet = null;
    try {
        Class.forName("com.mysql.jdbc.Driver");
    } catch (ClassNotFoundException e) {
        System.out.println(e.getMessage());
    }
    try {
        connection = DatabaseConnection.getConnection();
        statement = connection.createStatement();
        String sql = "select * from " + table;
        resultSet = statement.executeQuery(sql);
        resultSet.next();
    } catch (Exception e) {
        System.out.print(e.getMessage());
    }
}

```

```

        return null;
    }
    return resultSet;
}

public static void execute(String sql) {
    Connection connection = null;
    Statement statement = null;
    try {
        Class.forName("com.mysql.jdbc.Driver");
    } catch (ClassNotFoundException e) {
        System.out.println(e.getMessage());
    }
    try {
        connection = DatabaseConnection.getConnection();
        statement = connection.createStatement();
        statement.execute(sql);
    } catch (Exception e) {
        System.out.println(e.getMessage());
        System.out.println(sql);
    }
}

public static ResultSet getResult(String sql) {
    Connection connection = null;
    Statement statement = null;
    ResultSet resultSet = null;
    try {
        Class.forName("com.mysql.jdbc.Driver");
    } catch (ClassNotFoundException e) {
        System.out.println(e.getMessage());
    }
    try {
        connection = DatabaseConnection.getConnection();
        statement = connection.createStatement();
        resultSet = statement.executeQuery(sql);
        resultSet.next();
    } catch (Exception e) {
        System.out.print(e.getMessage());
        return null;
    }
    return resultSet;
}

public static String getLastId(String table) throws SQLException {
    ResultSet resultSet = getResult("select * from " + table + "");
    assert resultSet != null;
    resultSet.last();
    return resultSet.getString("id");
}

```

```
}  
}
```

控制器

AddAction.java

```
package servlet;
```

```
import database.Stmt;
```

```
import javax.servlet.*;
```

```
import javax.servlet.http.*;
```

```
import javax.servlet.annotation.*;
```

```
import java.io.IOException;
```

```
@WebServlet(name = "AddAction", value = "/AddAction")
```

```
public class AddAction extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
```

```
        String id = request.getParameter("id");
```

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

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

```
        String email = request.getParameter("email");
```

```
        Stmt.execute(
```

```
            "insert into user(id, username, password, email) values
```

```
('" +
```

```
id + "', '" + username + "', '" + password + "',
```

```
'" + email + "');" )
```

```
);
```

```
        response.sendRedirect("pages/userDataTable.jsp");
```

```
    }
```

```
    @Override
```

```
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
```

```
    }
```

```
}
```

AddAction.java

```
package servlet;
```

```
import database.Stmt;
```

```
import javax.servlet.*;
```

```
import javax.servlet.http.*;
```

```
import javax.servlet.annotation.*;
```

```
import java.io.IOException;
```

```

@WebServlet(name = "AddItemAction", value = "/AddItemAction")
public class AddItemAction extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String id;
        String dateTime;
        String storeName;
        String shelfNo;
        String variety;
        String moistureAndVolatiles;
        String insolubleImpurity;
        String solventResidue;
        String acidValue;
        String peroxideValue;
        id = request.getParameter("id");
        dateTime = request.getParameter("dateTime");
        storeName = request.getParameter("storeName");
        shelfNo = request.getParameter("shelfNo");
        variety = request.getParameter("variety");
        moistureAndVolatiles = request.getParameter("moistureAndVolatiles");
        insolubleImpurity = request.getParameter("insolubleImpurity");
        solventResidue = request.getParameter("solventResidue");
        acidValue = request.getParameter("acidValue");
        peroxideValue = request.getParameter("peroxideValue");

        Stmt.execute(
            "insert into record(`id`, `dateTime`, `storeName`, `shelfNo`, `variety`, " +
            "`moistureAndVolatiles`, `insolubleImpurity`, `solventResidue`, " +
            "`acidValue`, `peroxideValue`) values('" + id +
            "', '" + dateTime + "', '" + storeName + "', '" + shelfNo + "', '" + variety + "', '" + moistureAndVolatiles + "', '" +
            insolubleImpurity + "', '" + solventResidue +
            "', '" + acidValue + "', '" + peroxideValue + "')"
        );
        System.out.println(peroxideValue);
        response.sendRedirect("pages/itemDataTable.jsp");
    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)

```

```

        se response) throws ServletException, IOException {

    }
}

DeleteAction.java
package servlet;

import database.Stmt;

import javax.servlet.*;
import javax.servlet.http.*;
import javax.servlet.annotation.*;
import java.io.IOException;

@WebServlet(name = "DeleteAction", value = "/DeleteAction")
public class DeleteAction extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String id = request.getParameter("id");
        Stmt.execute("delete from user where id = " + id);
        response.sendRedirect("pages/userDataTable.jsp");
    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

    }
}

DeleteItemAction.java
package servlet;

import database.Stmt;

import javax.servlet.*;
import javax.servlet.http.*;
import javax.servlet.annotation.*;
import java.io.IOException;

@WebServlet(name = "DeleteItemAction", value = "/DeleteItemAction")
public class DeleteItemAction extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String id = request.getParameter("id");
        Stmt.execute(

```

```

        "delete from record where id = '" + id + "'"
    );
    response.sendRedirect("pages/itemDataTable.jsp");
}

@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
}
}

ItemDataFilter.java
package servlet;

import method.Transform;

import javax.servlet.*;
import javax.servlet.http.*;
import javax.servlet.annotation.*;
import java.io.IOException;

@WebServlet(name = "ItemDataFilter", value = "/ItemDataFilter")
public class ItemDataFilter extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        response.setCharacterEncoding("UTF-8");
        request.setCharacterEncoding("UTF-8");
        String attribute = request.getParameter("attribute");
        String relation = request.getParameter("relation");
        String value = request.getParameter("value");
        String Page = request.getParameter("Page");
        String PageSize = request.getParameter("PageSize");
        String sql = Transform.toExpression(attribute, relation, value);
        if (Page.equals("")) Page = "1";
        if (PageSize.equals("")) PageSize = "10";
        String newUrl = "pages/itemDataTable.jsp?" +
            "expression=" + sql +
            "&Page=" + Page +
            "&PageSize=" + PageSize;
        newUrl = newUrl.replace("?expression=nullnull", "?");
        newUrl = newUrl.replace("?expression=null", "?");

        response.sendRedirect(newUrl);
    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)

```

```

se response) throws ServletException, IOException {

    }
}

loginAction.java
package servlet;

import method.Password;

import javax.servlet.*;
import javax.servlet.http.*;
import javax.servlet.annotation.*;
import java.io.IOException;
import java.sql.SQLException;

@WebServlet(name = "LoginAction", value = "/LoginAction")
public class LoginAction extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String id = request.getParameter("id");
        String password = request.getParameter("password");

        try {
            if (("user").equals(Password.checkPassword(id, password)))
            {
                request.getSession().setAttribute("userID", id);
                response.sendRedirect("pages/main.jsp?role=user");
            }
            else if (("administrator").equals(Password.checkPassword(id, password))) {
                request.getSession().setAttribute("userID", id);
                response.sendRedirect("pages/main.jsp?role=administrator");
            }
            else {
                response.sendRedirect("pages/login.jsp");
            }
        } catch (SQLException e) {
            throw new RuntimeException(e);
        }
    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

```



```

    }
}

RegisteredAction.java
package servlet;

import database.Stmt;

import javax.servlet.*;
import javax.servlet.http.*;
import javax.servlet.annotation.*;
import java.io.IOException;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.Objects;

@WebServlet(name = "RegisteredAction", value = "/RegisteredAction")
public class RegisteredAction extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String id = request.getParameter("id");
        String username = request.getParameter("username");
        String password = request.getParameter("password");
        String email = request.getParameter("email");
        try {
            ResultSet resultSet = Stmt.getResult("select * from user where id = '" + id + "'");
            assert resultSet != null;
            resultSet.last();
            if (resultSet.getRow() == 0) {
                Stmt.execute(
                    "insert into user(id, username, password, email) values('" +
                        id + "', '" + username + "', '" + password + "', '" + email + "')"
                );
                response.sendRedirect("pages/registered.jsp");
            }
        } catch (SQLException e) {
            throw new RuntimeException(e);
        }
    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

```

```

    }
}

UpdateAction.java
package servlet;

import database.Stmt;

import javax.servlet.*;
import javax.servlet.http.*;
import javax.servlet.annotation.*;
import java.io.IOException;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;

@WebServlet(name = "UpdateAction", value = "/UpdateAction")
public class UpdateAction extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String id = request.getParameter("id");
        String username = request.getParameter("username");
        String password = request.getParameter("password");
        String email = request.getParameter("email");
        Stmt.execute(
            "update user set" +
            "  username= '" + username+
            "  ',password='" + password+
            "  ',email='" + email+
            "  ' where id='" + id + "'"
        );
        response.sendRedirect("pages/main.jsp");
    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    }
}

UpdateItemAction.java
package servlet;

import database.Stmt;

import javax.servlet.*;
import javax.servlet.http.*;

```

```

import javax.servlet.annotation.*;
import java.io.IOException;

@WebServlet(name = "UpdateItemAction", value = "/UpdateItemAction")
public class UpdateItemAction extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String id;
        String dateTime;
        String storeName;
        String shelfNo;
        String variety;
        String moistureAndVolatiles;
        String insolubleImpurity;
        String solventResidue;
        String acidValue;
        String peroxideValue;
        id = request.getParameter("id");
        dateTime = request.getParameter("dateTime");
        storeName = request.getParameter("storeName");
        shelfNo = request.getParameter("shelfNo");
        variety = request.getParameter("variety");
        moistureAndVolatiles = request.getParameter("moistureAndVolatiles");
        insolubleImpurity = request.getParameter("insolubleImpurity");
        solventResidue = request.getParameter("solventResidue");
        acidValue = request.getParameter("acidValue");
        peroxideValue = request.getParameter("peroxideValue");

        Stmt.execute(
            "update record set " +
                "dateTime = '" + dateTime +
                "',storeName = '" + storeName +
                "',shelfNo = '" + shelfNo +
                "',variety = '" + variety +
                "',moistureAndVolatiles = '" + moistureAndVolatiles +
                "',insolubleImpurity = '" + insolubleImpurity +
                "',solventResidue = '" + solventResidue +
                "',acidValue = '" + acidValue +
                "',peroxideValue = '" + peroxideValue +
                " where id = '" + id + "'"
        );
        System.out.println(peroxideValue);
        response.sendRedirect("pages/itemDataTable.jsp");
    }
}

```

```

        @Override
        protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

        }
    }
}

UserDataFilter.java
package servlet;

import method.Transform;

import javax.servlet.*;
import javax.servlet.http.*;
import javax.servlet.annotation.*;
import java.io.IOException;
import java.net.URLEncoder;
import java.nio.charset.StandardCharsets;

@WebServlet(name = "UserDataFilter", value = "/UserDataFilter")
public class UserDataFilter extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        response.setCharacterEncoding("UTF-8");
        request.setCharacterEncoding("UTF-8");
        String attribute = request.getParameter("attribute");
        String relation = request.getParameter("relation");
        String value = request.getParameter("value");
        String Page = request.getParameter("Page");
        String PageSize = request.getParameter("PageSize");
        String sql = Transform.toExpression(attribute, relation, value);
        if (Page.equals("")) Page = "1";
        if (PageSize.equals("")) PageSize = "10";
        String newUrl = "pages/userDataTable.jsp?" +
            "expression=" + sql +
            "&Page=" + Page +
            "&PageSize=" + PageSize;
        newUrl = newUrl.replace("?expression=nullnull", "?");
        newUrl = newUrl.replace("?expression=null", "?");
        newUrl = newUrl + "&attribute=" + attribute + "&relation=" + relation + "&value=" + URLEncoder.encode(value, StandardCharsets.UTF_8);
        response.sendRedirect(newUrl);
    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

```

```
    }  
}
```

其他方法

password.jsp

package method;

import database.Stmt;

import java.sql.ResultSet;

import java.sql.SQLException;

public class Password {

public static String checkPassword(String id, String password) throws SQLException {

ResultSet resultSet = Stmt.getResult(
 "select * from user where id = '" + id + "'"

);

resultSet.last();

if (resultSet.getRow() != 0) {

if (password.equals(resultSet.getString("password"))) {
 return "user";

}

}

resultSet = Stmt.getResult(
 "select * from administrator where id = '" + id + "

);
 resultSet.last();

if (resultSet.getRow() != 0) {

if (password.equals(resultSet.getString("password"))) {
 return "administrator";

}

}

return "null";

}

}

Transform.java

package method;

import javax.sound.sampled.AudioFormat;

import java.beans.Encoder;

import java.io.UnsupportedEncodingException;

import java.net.URLEncoder;

import java.nio.charset.StandardCharsets;

import java.util.Objects;

```

public class Transform {
    public static String toExpression(String attribute, String translate, String value) throws UnsupportedOperationException {

        String symbol = null;
        switch (translate) {
            case "equal" -> symbol = " = ";
            case "unequal" -> symbol = " != ";
            case "bigger" -> symbol = " > ";
            case "smaller" -> symbol = " < ";
            case "notBigger" -> symbol = " <= ";
            case "notSmaller" -> symbol = " >= ";
            case "include" -> symbol = "%20like%20";
            case "notInclude" -> symbol = "%20not%20like%20";
        }
        if (Objects.equals(symbol, "%20like%20") || Objects.equals(symbol, "%20not%20like%20")) return attribute + symbol + "'%25" + URLEncoder.encode(value, StandardCharsets.UTF_8) + "%25'";
        else return attribute + symbol + "'" + URLEncoder.encode(value, StandardCharsets.UTF_8) + "'";
    }

    public static String toName(String En) {
        return switch (En) {
            case "id" -> "编号";
            case "dateTime" -> "时间";
            case "storeName" -> "储存库点";
            case "shelfNo" -> "货架编号";
            case "variety" -> "种类";
            case "moistureAndVolatiles" -> "水分及挥发物";
            case "insolubleImpurity" -> "不溶性杂质";
            case "solventResidue" -> "溶剂残留量";
            case "acidValue" -> "酸值";
            case "peroxideValue" -> "过氧化值";
            default -> "null";
        };
    }

    public static String toUnit(String En) {
        return switch (En) {
            case "id" -> "";
            case "dateTime" -> "";
            case "storeName" -> "";
            case "shelfNo" -> "";
            case "variety" -> "";
            case "moistureAndVolatiles" -> "(%)";
            case "insolubleImpurity" -> "(%)";
            case "solventResidue" -> "溶剂残留量(mg/kg)";
        };
    }
}

```

```

        case "acidValue" -> "酸值(mg/g)";
        case "peroxideValue" -> "过氧化值 mmol/kg)";
        default -> "null";
    };
}

public static String toType(String en) {
    return switch (en) {
        case "avg" -> "平均值";
        case "sum" -> "总计";
        case "count" -> "计数";
        default -> "null";
    };
}
}

```

web 端

pages

addForm.jsp

```

<%@ taglib prefix="input" uri="/struts-tags" %>
<!--
    Created by IntelliJ IDEA.
    Author:Wantz
    Email:wantz@foxmail.com
    Date: 2022/6/19
    Time: 12:17
--%>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>Title</title>
    <link rel="stylesheet" href="${pageContext.request.contextPath}/css/addForm.css">
</head>
<body>
<form action="${pageContext.request.contextPath}/AddAction">
    <table>
        <tr>
            <th>用户新增</th>
        </tr>
        <tr>
            <td>id</td>
            <td><input type="text" name="id" pattern="[0-9]{6}" autocomplete="false" required/></td>
        </tr>
    </table>

```

```

        <td>姓名</td>
        <td><input type="text" name="username" autocomplete="false" required></td>
    </tr>
    <tr>
        <td>密码</td>
        <td><input type="password" name="password" placeholder="至少 6 字符" pattern="[a-zA-Z0-9- _!@#$$%^&*?]{6.}" required></td>
    </tr>
    <tr>
        <td>电子邮箱</td>
        <td><input type="text" name="email" pattern="[a-zA-Z0-9._-]+@[a-zA-Z0-9._-]+\.[a-zA-Z0-9]+" placeholder="admin@example.com" autocomplete="false" required></td>
    </tr>
    <tr>
        <td><a href="userDataTable.jsp">返回</a> </td>
        <td><input type="submit" value="提交"></td>
    </tr>
</table>
</form>
</body>
</html>

```

dataAnalysis.jsp

```

<%@ taglib prefix="s" uri="/struts-tags" %>
<%@ page import="java.sql.ResultSet" %>
<%@ page import="java.sql.SQLException" %>
<%@ page import="database.Stmt" %>
<%@ page import="method.Transform" %><!--
    Created by IntelliJ IDEA.
    Author:Wantz
    Email:wantz@foxmail.com
    Date: 2022/6/25
    Time: 10:32
--%>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>数据分析页面</title>
    <link rel="stylesheet" href="${pageContext.request.contextPath}/css/dataAnalysis.css">
    <script src="${pageContext.request.contextPath}/js/dataAnalysis.js">
</script>
    <script src="https://cdn.highcharts.com.cn/highcharts/highcharts.js">
</script>
    <script src="https://cdn.highcharts.com.cn/highcharts/modules/exporting.js"></script>
    <script src="https://cdn.highcharts.com.cn/highcharts/modules/data.

```



```

js"></script>
<script src="https://img.hcharts.cn/highcharts-plugins/highcharts-z
h_CN.js"></script>
<script src="{pageContext.request.contextPath}/js/dataAnalysis.js">
</script>
</head>

```

```

<body>
<div class="beSelectedArea">
<table id="datatable">
<%
String X = request.getParameter("X-axis");
String Y = request.getParameter("Y-axis");
String Y_type = request.getParameter("Y-type");
String Ex_Y = request.getParameter("ex-Y-axis");
ResultSet resultSet_3 = null;
if (X != null && Y != null) {
    if (Ex_Y != null) {
        resultSet_3 = Stmt.getResult("select " + Ex_Y + "
from record");
    }
    ResultSet resultSet = Stmt.getResult(
        "select " + X + ", " + request.getParameter
("Y-type") + "(" + Y + ") as " + Transform.toType(Y_type) + " from reco
rd group by " + X
    );
    %>
<thead>
<tr>
<th><%=Transform.toName(X)%></th>
<th><%=Transform.toName(Y)%></th>
<%
if (Ex_Y != null && !Ex_Y.equals("")) {
    %>
<th><%=Transform.toName(Ex_Y)==null?"":Transform.toName(Ex_
Y)%></th>
<%
}
    %>
</tr>
</thead>
<tbody>
<%
while (true) {
    try {
        assert resultSet != null;
        if (!resultSet.next()) break;{

```

```

%>
<tr>
    <th><%=resultSet.getString(X)%></th>
        <%
            }{
        %>
        <td><%=request.getParameter("Y-type").equals("null"?re
resultSet.getString(Y):resultSet.getString(Transform.toType(Y_type))%></t
d>
        <%
            }
        assert resultSet_3 != null;
        if (!Ex_Y.equals("")) {
            if (!resultSet_3.next()) break; {
        %>
        <td><%=resultSet_3.getString(Ex_Y)!=null?resultSet_3.ge
tString(Ex_Y):""%></td>
        <%
            }
        }
    %>
</tr>
<%

        }catch (SQLException e) {
            throw new RuntimeException(e);
        }
    }
}
%>
</tbody>
</table>
</div>
<div class="container" id="container"> </div>
<div class="chartInformationArea">
    <form>
        <div class="chartInformation graph">
            <div>标题<input type="text" name="title" id="title" value="<%=r
equest.getParameter("title")!=null?request.getParameter("title"):""%>">
</div>
            <div>图表类型<select id="type" name="type">
                <option value="column" <%= "column".equals(request.getParame
ter("type")) ? "selected" : ""%>>柱状图</option>
                <option value="bar" <%= "bar".equals(request.getParameter("t
ype")) ? "selected" : ""%>>条形图</option>
                <option value="line" <%= "line".equals(request.getParameter

```

```

("type")) ? "selected" : "">>折线图</option>
    <option value="pie" <%= "pie".equals(request.getParameter("t
ype")) ? "selected" : "">>饼图</option>
    <option value="scatter" <%= "scatter".equals(request.getPara
meter("type")) ? "selected" : "">>散点图</option>
</select></div>
</div>
<div class="chartInformation X-axis">
    <div class="dragTarget" >X 轴</div>
    <div><select id="X-axis" name="X-axis">
        <option value="null"></option>
        <option value="id" <%= "id".equals(request.getParameter("X-a
xis")) ? "selected" : "">>编号</option>
        <option value="dateTime" <%= "dateTime".equals(request.getPa
rameter("X-axis")) ? "selected" : "">>检测日期</option>
        <option value="storeName" <%= "storeName".equals(request.get
Parameter("X-axis")) ? "selected" : "">>实际存储库点</option>
        <option value="shelfNo" <%= "shelfNo".equals(request.getPara
meter("X-axis")) ? "selected" : "">>货位号</option>
        <option value="variety" <%= "variety".equals(request.getPara
meter("X-axis")) ? "selected" : "">>品种</option>
        <option value="moistureAndVolatiles" <%= "moistureAndVolatil
es".equals(request.getParameter("X-axis")) ? "selected" : "">>水分及挥
发物</option>
        <option value="insolubleImpurity" <%= "insolubleImpurity".eq
uals(request.getParameter("X-axis")) ? "selected" : "">>不溶性杂质</opt
ion>
        <option value="solventResidue" <%= "solventResidue".equals(r
equest.getParameter("X-axis")) ? "selected" : "">>溶剂残留量</option>
        <option value="acidValue" <%= "acidValue".equals(request.get
Parameter("X-axis")) ? "selected" : "">>酸值</option>
        <option value="peroxideValue" <%= "peroxideValue".equals(req
uest.getParameter("X-axis")) ? "selected" : "">>过氧化值</option>
    </select></div>
</div>
<div class="chartInformation Y-axis">
    <div class="dragTarget">Y 轴</div>
    <div><select id="Y-axis" name="Y-axis">
        <option value="null"></option>
        <option value="id" <%= "id".equals(request.getParameter("Y-a
xis")) ? "selected" : "">>编号</option>
        <option value="dateTime" <%= "dateTime".equals(request.getPa
rameter("Y-axis")) ? "selected" : "">>检测日期</option>
        <option value="storeName" <%= "storeName".equals(request.get
Parameter("Y-axis")) ? "selected" : "">>实际存储库点</option>
        <option value="shelfNo" <%= "shelfNo".equals(request.getPara
meter("Y-axis")) ? "selected" : "">>货位号</option>

```

```

        <option value="variety" <%= "variety".equals(request.getParameter("Y-axis")) ? "selected" : "" %>>品种</option>
        <option value="moistureAndVolatiles" <%= "moistureAndVolatiles".equals(request.getParameter("Y-axis")) ? "selected" : "" %>>水分及挥发物</option>
        <option value="insolubleImpurity" <%= "insolubleImpurity".equals(request.getParameter("Y-axis")) ? "selected" : "" %>>不溶性杂质</option>
        <option value="solventResidue" <%= "solventResidue".equals(request.getParameter("Y-axis")) ? "selected" : "" %>>溶剂残留量</option>
        <option value="acidValue" <%= "acidValue".equals(request.getParameter("Y-axis")) ? "selected" : "" %>>酸值</option>
        <option value="peroxideValue" <%= "peroxideValue".equals(request.getParameter("Y-axis")) ? "selected" : "" %>>过氧化值</option>
    </select></div>
    <div>
        <select name="Y-type">
            <option value=""></option>
            <option value="avg" <%= "avg".equals(request.getParameter("Y-type")) ? "selected" : "" %>>平均值</option>
            <option value="count" <%= "count".equals(request.getParameter("Y-type")) ? "selected" : "" %>>计数</option>
            <option value="sum" <%= "sum".equals(request.getParameter("Y-type")) ? "selected" : "" %>>总和</option>
        </select>
    </div>
</div>
<div class="chartInformation Y-axis-ex">
    <div class="dragTarget">额外 Y 轴</div>
    <div><select id="ex-Y-axis" name="ex-Y-axis">
        <option value="null"></option>
        <option value="id" <%= "id".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>编号</option>
        <option value="dateTime" <%= "dateTime".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>检测日期</option>
        <option value="storeName" <%= "storeName".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>实际存储库点</option>
        <option value="shelfNo" <%= "shelfNo".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>货位号</option>
        <option value="variety" <%= "variety".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>品种</option>
        <option value="moistureAndVolatiles" <%= "moistureAndVolatiles".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>水分及挥发物</option>
        <option value="insolubleImpurity" <%= "insolubleImpurity".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>不溶性杂质</option>
    </select>
    </div>

```

```

        <option value="solventResidue" <%= "solventResidue".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>溶剂残留量</option>
        <option value="acidValue" <%= "acidValue".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>酸值</option>
        <option value="peroxideValue" <%= "peroxideValue".equals(request.getParameter("ex-Y-axis")) ? "selected" : "" %>>过氧化值</option>
    </select></div>
    <div>
        <select name="ex-Y-type">
            <option value=""></option>
            <option value="avg" <%= "avg".equals(request.getParameter("ex-Y-type")) ? "selected" : "" %>>平均值</option>
            <option value="count" <%= "count".equals(request.getParameter("ex-Y-type")) ? "selected" : "" %>>计数</option>
            <option value="sum" <%= "sum".equals(request.getParameter("ex-Y-type")) ? "selected" : "" %>>总和</option>
        </select>
    </div>
</div>
<div class="chartInformation">
    <button type="submit" id="chooseBtn" onclick="choose()">选定</button>
    <button type="button" onclick="showChart()">生成</button>
</div>
</form>
</div>
</body>
</html>

```

index.jsp

```

<!--
    Created by IntelliJ IDEA.
    Author:Wantz
    Email:wantz@foxmail.com
    Date: 2022/6/4
    Time: 17:27
-->
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
    <head>
        <title>中储粮质检管理信息系统</title>
    </head>
    <%
        response.sendRedirect("pages/login.jsp");%>
    <body>
    </body>
</html>

```

```

itemDataInput.jsp
<%@ page import="database.Stmt" %>
<%@ page import="java.sql.SQLException"%><!--
    Created by IntelliJ IDEA.
    Author:Wantz
    Email:wantz@foxmail.com
    Date: 2022/6/20
    Time: 19:05
--%>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>Title</title>
    <link rel="stylesheet" href="${pageContext.request.contextPath}/css
/itemDataInput.css">
</head>
<body>
<%
    String lastID;
    try {
        lastID = Stmt.getLastId("record");
    } catch (SQLException e) {
        throw new RuntimeException(e);
    }
    lastID = String.valueOf(Integer.parseInt(lastID) + 1);
%>
<form action="${pageContext.request.contextPath}/AddItemAction">
    <table>
        <tr>
            <th colspan="2">数据录入</th>
        </tr>
        <tr>
            <td>
                编号
            </td>
            <td>
                <input type="text" name="id" value="<%=lastID%>" readon
ly>
            </td>
        </tr>
        <tr>
            <td>
                检测时间
            </td>
            <td>
                <input type="datetime-local" name="dateTime" required>
            </td>
        </tr>
    </table>

```

<td>实际存储库点</td>	<td> <input type="text" name="storeName" required> </td>
</tr>	
<tr>	
<td> 货位号	<td> <input type="text" name="shelfNo" required> </td>
</tr>	
<tr>	
<td>品种</td>	<td> <input type="text" name="variety" required> </td>
</tr>	
<tr>	
<td>水分及挥发物(%)</td>	<td> <input type="text" name="moistureAndVolatiles" required> </td>
</tr>	
<tr>	
<td>不溶性杂质(%)</td>	<td> <input type="text" name="insolubleImpurity" required> </td>
</tr>	
<tr>	
<td>溶剂残留量(mg/kg)</td>	<td> <input type="text" name="solventResidue" required> </td>
</tr>	
<tr>	
<td>酸值(mg/g)</td>	<td> <input type="text" name="acidValue" required> </td>
</tr>	
<tr>	
<td>过氧化值(mmol/kg)</td>	<td> <input type="text" name="peroxideValue" required> </td>
</tr>	

```

        <tr>
            <td>
                <a href="itemDataTable.jsp"><button type="button">返回<
/button> </a>
            </td>
            <td>
                <input type="submit" value="添加">
            </td>
        </tr>
    </table>
</form>
</body>
</html>

```

itemDataTable.jsp

```

<%@ page import="java.sql.ResultSet" %>
<%@ page import="database.Stmt" %>
<%@ page import="java.util.Objects" %><!--
    Created by IntelliJ IDEA.
    Author:Wantz
    Email:wantz@foxmail.com
    Date: 2022/6/10
    Time: 20:30
--%>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<%@ page pageEncoding="UTF-8"%>
<html>
<head>
    <title>质检信息表</title>
    <link rel="stylesheet" href="${pageContext.request.contextPath}/css
/itemDataTable.css">
    <script src="${pageContext.request.contextPath}/js/urlFilter.js"></
script>
    <script src="${pageContext.request.contextPath}/js/pageJump.js"></s
cript>
    <script src="${pageContext.request.contextPath}/js/itemDataTable.js
"></script>
</head>
<body>
<%
    int Page = 1;
    if (request.getParameter("Page") != null) Page = Integer.parseInt(r
equest.getParameter("Page"));
    int TotalPage = 0;
    int PageSize = 10;
    if (request.getParameter("PageSize") != null)
        PageSize = Integer.parseInt(request.getParameter("PageSize"));
    String expression;
    expression = request.getParameter("expression");

```



```

try {
    int TotalRecord;    //总数据数
    String sql = "select count(*) as recordCount from record where
true";
    String sql2 = "select * from record where true";

    if (expression != null) {
        if (!request.getParameter("expression").equals("") || request.getParameter("expression") != null) {
            sql = sql + " and " + request.getParameter("expression");
            sql2 = sql2 + " and " + request.getParameter("expression");
        }
    }
    ResultSet resultSet = Stmt.getResultSet("record", sql2);
    assert resultSet != null;
    ResultSet rs = Stmt.getResult(sql);
    TotalRecord = Objects.requireNonNull(rs).getInt("recordCount");
    if (TotalRecord % PageSize == 0)
        TotalPage = TotalRecord / PageSize;
    else
        TotalPage = (int) Math.floor(TotalRecord / PageSize) + 1;
    if (TotalPage == 0) TotalPage = 1;
    if (request.getParameter("Page") == null || request.getParameter("Page").equals("")) Page = 1;
    else
        try {
            Page = Integer.parseInt(request.getParameter("Page"));
        } catch (java.lang.NumberFormatException e) {
            Page = 1;
        }
    if (Page < 1) Page = 1;
    if (Page > TotalPage) Page = TotalPage;
}%>
<form action="${pageContext.request.contextPath}/ItemDataFilter">
<table style="text-align: center">
    <tr>
        <th colspan="10">质检信息表</th>
    </tr>
    <tr>
        <td colspan="10" id="filterArea">
            <div>
                <select name="attribute">
                    <option value="null"></option>
                    <option value="id">编号</option>
                    <option value="dateTime">检测时间</option>
                    <option value="storeName">实际存储库点</option>

```

```

        <option value="shelfNo">货位号</option>
        <option value="variety">品种</option>
        <option value="moistureAndVolatiles">水分及挥发物</o
ption>

        <option value="insolubleImpurity">不溶性杂质</option>
        <option value="solventResidue">溶剂残留量</option>
        <option value="acidValue">酸值</option>
        <option value="peroxideValue">过氧化值</option>
    </select>
    <select name="relation">
        <option value="null"></option>
        <option value="equal">等于</option>
        <option value="smaller">小于</option>
    </select>
    <input type="text" name="value">
</div>
</td>
</tr>
<tr>
    <td colspan="5"><a href="itemDataTable.jsp?Page=<%=Page%>&PageS
ize=<%=PageSize%>"><button type="button">重置</button> </a> </td>
    <td colspan="5"><input type="submit" value="筛选"></td>
</tr>
<tr>
    <td>
        <input id="itemDataAllCheckBox" type="checkbox" onclick="al
lSelected()">全选
    </td>
    <td>编号</td>
    <td>检测日期</td>
    <td>实际存储库点</td>
    <td>货位点</td>
    <td>品种</td>
    <td>水分及挥发物<br>(%)</td>
    <td>不溶性杂质<br>(%)</td>
    <td>溶剂残留量<br>(mg/kg)</td>
    <td>酸值<br>(mg/g)</td>
    <td>过氧化值<br>(mmol/kg)</td>
</tr>

<%
    if (resultSet.next()) {
        resultSet.absolute((Page - 1) * PageSize + 1);
        for (int iPage = 1; iPage <= PageSize; iPage++) {
%>
<tr class="itemDataRow">
    <td><input class="itemDataCheckBox" type="checkbox" onclick="it

```

```

emTableClicked(this); checkedChange()" name=<%=resultSet.getString("id
")%>></td>
    <td><%=resultSet.getString("id")%></td>
    <td><%=resultSet.getString("dateTime")%></td>
    <td><%=resultSet.getString("storeName")%></td>
    <td><%=resultSet.getString("shelfNo")%></td>
    <td><%=resultSet.getString("variety")%></td>
    <td><%=resultSet.getString("moistureAndVolatiles")%></td>
    <td><%=resultSet.getString("insolubleImpurity")%></td>
    <td><%=resultSet.getString("solventResidue")%></td>
    <td><%=resultSet.getString("acidValue")%></td>
    <td><%=resultSet.getString("peroxideValue")%></td>
    <td><a href="updateItemForm.jsp?id=<%=resultSet.getString("id
")%>">修改</a></td>
    <td><a onclick="deleteConfirm('${pageContext.request.contextPat
h}/DeleteItemAction?id=<%=resultSet.getString("id")%>')">删除</a></td>
</tr>
<%
        if (!resultSet.next()) break;
    }
    else {
        out.println(
            "<tr><td colspan='10'>无结果</td></tr>"
        );
    }
} catch (Exception e) {
    out.println(e.getMessage());
}
%>
<tr>
    <td>
        <input id="reverseSelectedBox" type="checkbox" onclick="rev
erseSelected(); checkedChange()">反选
    </td>
    <td>
        <a href="itemDataTable.jsp?Page=1&PageSize=<%=PageSize%>&ex
pression=<%=expression%>" onclick="return canLastPage()">首页</a>
    </td>
    <td>
        <a id="lastPageButton" href="itemDataTable.jsp?Page=<%=Page
- 1%>&PageSize=<%=PageSize%>&expression=<%=expression%>" onclick="retu
rn canLastPage();">上一页</a>
    </td>
    <td colspan="3">
        <span>第</span>
        <input id="Page" type="number" name="Page" value="<%=Page%>
" step="1" min="1" max="<%=TotalPage%>">

```

```

        <span>页</span>
        <span>/</span>
        <span>共</span>
        <span id="totalPage"><%=TotalPage%></span>
        <span>页</span>
    </td>
    <td><a><button type="button" id="jumpButton">跳转</button></a><
/td>
    <td colspan="2">
        <span>每页</span>
        <input type="number" value="<%=PageSize%>" step="1" min="1"
max="20" name="PageSize">
        <span>条</span>
    </td>
    <td>
        <a id="nextPageButton" href="itemDataTable.jsp?Page=<%=Page
+ 1%>&PageSize=<%=PageSize%>&expression=<%=expression%>" onclick="retu
rn canNextPage()">下一页</a>
    </td>
    <td>
        <a href="itemDataTable.jsp?Page=<%=TotalPage%>&PageSize=<%=
PageSize%>&expression=<%=expression%>" onclick="return canNextPage()">
尾页</a>
    </td>
    <td>
        <a href="itemDataInput.jsp">新增</a>
    </td>
</tr>
</table>
</form>
</body>
</html>

```

login.jsp

```

<%--
    Created by IntelliJ IDEA.
    Author:Wantz
    Email:wantz@foxmail.com
    Date: 2022/6/7
    Time: 21:48
--%>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>

<head>
    <title>中储粮质检信息管理系统</title>
    <link rel="stylesheet" href="{pageContext.request.contextPath}/css
/loginTable.css">

```

```

        <meta charset="utf-8">
        <script src="${pageContext.request.contextPath}/js/checkCode.js"></script>
        <script src="https://apps.bdimg.com/libs/jquery/2.1.4/jquery.min.js"></script>
    </head>
    <%
        session.setAttribute("userID", "");
    %>
    <body onload="createCheckCode()">
    <div id="loginForm">
    <form method="get" action="${pageContext.request.contextPath}/LoginAction">
        <table id="loginTable">
            <tr>
                <th colspan="2">用户登录</th>
            </tr>
            <tr>
                <td>
                    <div class="prompt">用户 id</div>
                </td>
                <td colspan="1"><input type="text" name="id" id="" required>
            </td>
            </tr>
            <tr>
                <td>
                    <div class="prompt">密码</div>
                </td>
                <td><input type="password" name="password" required></td>
            </tr>
            <tr>
                <td>
                    <div class="prompt">验证码</div>
                </td>
                <td>
                    <input type="text" name="" id="checkCodeInputBox" required>
                    <a href="#" onclick="createCheckCode()"><img id="checkCodeCanvas" src="">看不清? </a>
                </td>
            </tr>
            <tr>
                <td>
                    <div><a href="registered.jsp">用户注册</a></div>
                </td>
                <td>
                    <span class="prompt" id="checkCodeError"></span>
                </td>
            </tr>
        </table>
    </div>
    </body>
    </html>

```

```

        <tr>
            <td colspan="2">
                <input onclick="checkCheckCode()" id="loginButton" type
="submit" value="登录">
            </td>
        </tr>
    </table>
</form>
</div>
</body>

</html>

```

main.jsp

```

<%@ page import="java.sql.ResultSet" %>
<%@ page import="database.Stmt" %>
<%@ page import="java.sql.SQLException" %>
<%@ page import="java.sql.ResultSetMetaData" %>
<%@ taglib prefix="html" uri="http://jakarta.apache.org/struts/tags-htm
l" %>
<!--
    Created by IntelliJ IDEA.
    Author:Wantz
    Email:wantz@foxmail.com
    Date: 2022/6/8
    Time: 14:31
--%>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>中储粮质检信息管理系统</title>

    <script src="${pageContext.request.contextPath}/js/leftLabelClicked.
js"></script>

    <link rel="stylesheet" href="${pageContext.request.contextPath}/css
/mainPageElement.css">
</head>
<body>
<%
    ResultSet resultSet = null;
    if (("user").equals(request.getParameter("role"))) {
        resultSet = Stmt.getResult("select username from user where id
= '" + session.getAttribute("userID") + "'");
    } else if (("administrator").equals(request.getParameter("role")))
    {
        resultSet = Stmt.getResult("select name as username from admini
strator where id = '" + session.getAttribute("userID") + "'");
    }

```

```

String username = "游客";
String role = null;
try {
    assert resultSet != null;
    username = resultSet.getString("username");
    ResultSetMetaData resultSetMetaData = resultSet.getMetaData();
    role = resultSetMetaData.getTableName(1);
} catch (Exception e) {
    response.sendRedirect(request.getContextPath() + "/pages/login.
jsp");
}

%>
<table class="preTable">
    <tr class="top-nav">
        <td class="topLeft" id="mainTop">
            <a href="${pageContext.request.contextPath}/pages/login.jsp
">
                <div class="inline"></div>
                <div class="inline"><span class="title">中储粮质检信息管理系统</s
pan></div></a>
            </td>
            <td class="topRight">
                <span class="userInfo"><a href="login.jsp">注销</a></span>
                <span class="userInfo">欢迎您, <%=username%></span>
            </td>
        </tr>
    </table>
    <table class="mainTable">
        <tr style=" height: 90%">
            <td id="leftLabelArea">
                <div class="leftLabel" id="dataEntry">数据录入</div>
                <div class="leftLabel" id="itemDataLabel">全部数据</div>
                <div class="leftLabel" id="dataAnalysis">数据分析</div>
                <%
                    try{
                        assert role != null;
                        if (role.equals("administrator")) {

                            %>

                            <div class="leftLabel" id="userManageLabel">用户管理</div>
                            <script>
                                document.getElementById("userManageLabel").onclick
= function () {
                                    document.getElementById("iframeView").setAttrib

```

```

ute("src", "userDataTable.jsp")
    }
    </script>
    <%
    }
    } catch (Exception ignored) {}
    %>
</td>
<td id="iframe" >
    <iframe id="iframeView" src="itemDataTable.jsp" height="100%
" width="100%">
    </iframe>
</td>
</tr>
</table>
</body>
</html>

```

registered.jsp

```

<!--
    Created by IntelliJ IDEA.
    Author:Wantz
    Email:wantz@foxmail.com
    Date: 2022/6/25
    Time: 15:27
-->
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>用户注册页面</title>
    <script src="${pageContext.request.contextPath}/js/checkCode.js"></script>
    <script src="${pageContext.request.contextPath}/js/checkPassword.js"></script>
    <link rel="stylesheet" href="${pageContext.request.contextPath}/css/registered.css">
</head>
<body onload="createCheckCode()">
<div id="registeredForm">
<form action="${pageContext.request.contextPath}/RegisteredAction">
    <table id="registeredTable">
        <tr>
            <th colspan="2">用户注册</th>
        </tr>
        <tr>
            <td>
                用户 ID
            </td>
            <td>

```



```

        <input type="text" name="id" pattern="[0-9]{6}" autocomplete="false" required>
    </td>
</tr>
<tr>
    <td>
        用户名
    </td>
    <td>
        <input type="text" name="username" autocomplete="false"
required>
    </td>
</tr>
<tr>
    <td>
        电子邮箱
    </td>
    <td>
        <input type="text" name="email" pattern="[a-zA-Z0-9._-]
+@[a-zA-Z0-9._-]+\.[a-zA-Z0-9]+" placeholder="admin@example.com" autoco
mplete="false" required>
    </td>
</tr>
<tr>
    <td>
        输入密码
    </td>
    <td>
        <input id="password" placeholder="至少 6 字符" type="pass
word" name="password" pattern="[a-zA-Z0-9- _!@#$$%^&*?]{6.}" required>
        <span class="prompt" id="passwordFormatError">密码格式不
正确</span>
    </td>
</tr>
<tr>
    <td>
        再次输入
    </td>
    <td>
        <input id="passwordConfirm" placeholder="至少六字符" typ
e="password" required>
        <span class="prompt" id="passwordNotEqual">两次密码不一
致</span>
    </td>
</tr>
<tr>
    <td>
        <div class="prompt">验证码</div>

```

```

        </td>
        <td>
            <input type="text" name="" id="checkCodeInputBox" auto
complete="false" required>
            <a href="#" onclick="createCheckCode()"><img id="checkC
odeCanvas" src="">看不清? </a>
        </td>
    </tr>
    <tr>
        <td><a href="login.jsp">返回登录</a></td>
        <td>
            <span class="prompt" id="checkCodeError"></span>
        </td>
    </tr>
    <tr>
        <td colspan="2"><input onclick="checkCheckCode();checkPassw
ord()" id="registeredButton" type="submit" value="注册"></td>
    </tr>
</table>
</form>
</div>
</body>
</html>

```

updateForm.jsp

```

<!--
    Created by IntelliJ IDEA.
    Author:Wantz
    Email:wantz@foxmail.com
    Date: 2022/6/9
    Time: 21:14
-->
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>Title</title>
</head>
<body>
<form action="{pageContext.request.contextPath}/UpdateAction">
    <table>
        <tr>
            <th>用户信息更新</th>
        </tr>
        <tr>
            <td>用户编号</td>
            <td>
                <input type="text" name="id" value="{%=request.getParam
eter("id")%}" readonly required>
            </td>

```

```

        </tr>
        <tr>
            <td>用户姓名</td>
            <td>
                <input type="text" name="username" value="<%=request.ge
tParameter("username")%>" required>
            </td>
        </tr>
        <tr>
            <td>用户密码</td>
            <td>
                <input type="password" name="password" value="<%=reques
t.getParameter("password")%>" required>
            </td>
        </tr>
        <tr>
            <td>确认密码</td>
            <td>
                <input type="password" required>
            </td>
        </tr>
        <tr>
            <td>电子邮箱</td>
            <td>
                <input type="text" name="email" value="<%=request.getPa
rameter("email")%>" required>
            </td>
        </tr>
        <tr>
            <td>管理密码</td>
            <td>
                <input type="password" name="adminPassword" required>
            </td>
        </tr>
        <tr>
            <td>
                <a href="main.jsp"><button type="button">返回</button>
            </td>
            <td>
                <input type="submit" value="确认修改">
            </td>
        </tr>
    </table>
</form>
</body>
</html>

```

updateItemForm.java

<!--

Created by IntelliJ IDEA.

Author:Wantz

Email:wantz@foxmail.com

Date: 2022/6/21

Time: 15:33

-->

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

<%@ page import="database.Stmt" %>

<%@ page import="java.sql.SQLException" %>

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

<html>

<head>

<title>Title</title>

<link rel="stylesheet" href="\${pageContext.request.contextPath}/css
/updateItemForm.css">

</head>

<body>

<%

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

String dateTime;

String storeName;

String shelfNo;

String variety;

String moistureAndVolatiles;

String insolubleImpurity;

String solventResidue;

String acidValue;

String peroxideValue;

try {

ResultSet resultSet = Stmt.getResultSet("record", "select * from
record where id = " + id);

assert resultSet != null;

resultSet.next();

dateTime = resultSet.getString("dateTime");

storeName = resultSet.getString("storeName");

shelfNo = resultSet.getString("shelfNo");

variety = resultSet.getString("variety");

moistureAndVolatiles = resultSet.getString("moistureAndVolatile
s");

insolubleImpurity = resultSet.getString("insolubleImpurity");

solventResidue = resultSet.getString("solventResidue");

acidValue = resultSet.getString("acidValue");

peroxideValue = resultSet.getString("peroxideValue");

} catch (SQLException e) {

throw new RuntimeException(e);

}

%>

```

<form action="{pageContext.request.contextPath}/UpdateItemAction">
  <table>
    <tr>
      <th colspan="6">信息更改</th>
    </tr>
    <tr>
      <td colspan="3">
        编号
      </td>
      <td colspan="3">
        <input type="text" name="id" value="{%=id%}" readonly>
      </td>
    </tr>
    <tr>
      <td colspan="3">
        检测时间
      </td>
      <td colspan="3">
        <input type="datetime-local" name="dateTime" value="{%=date
Time%}">
      </td>
    </tr>
    <tr>
      <td colspan="3">实际存储库点</td>
      <td colspan="3">
        <input type="text" name="storeName" value="{%=storeName%}">
      </td>
    </tr>
    <tr>
      <td colspan="3">
        货位号
      </td>
      <td colspan="3">
        <input type="text" name="shelfNo" value="{%=shelfNo%}">
      </td>
    </tr>
    <tr>
      <td colspan="3">品种</td>
      <td colspan="3">
        <input type="text" name="variety" value="{%=variety%}">
      </td>
    </tr>
    <tr>
      <td colspan="3">水分及挥发物(%)</td>
      <td colspan="3">
        <input type="text" name="moistureAndVolatiles" value="{%=mo
istureAndVolatiles%}">
      </td>
    </tr>
  </table>

```

```

        <tr>
            <td colspan="3">不溶性杂质(%)</td>
            <td colspan="3">
                <input type="text" name="insolubleImpurity" value="<%=insol
ubleImpurity%>">
            </td>
        </tr>
        <tr>
            <td colspan="3">溶剂残留量(mg/kg)</td>
            <td colspan="3">
                <input type="text" name="solventResidue" value="<%=solventR
esidue%>">
            </td>
        </tr>
        <tr>
            <td colspan="3">酸值(mg/g)</td>
            <td colspan="3">
                <input type="text" name="acidValue" value="<%=acidValue%>">
            </td>
        </tr>
        <tr>
            <td colspan="3">过氧化值(mmol/kg)</td>
            <td colspan="3">
                <input type="text" name="peroxideValue" value="<%=peroxideV
alue%>">
            </td>
        </tr>
        <tr>
            <td colspan="2">
                <a href="itemDataTable.jsp"><button type="button">返回</but
ton> </a>
            </td>
            <td colspan="2">
                <input type="reset" value="重置">
            </td>
            <td colspan="2">
                <input type="submit" value="更改">
            </td>
        </tr>
    </table>
</form>
</body>
</html>

```

userDataTable.jsp

<!--

Created by IntelliJ IDEA.

Author:Wantz

Email:wantz@foxmail.com

Date: 2022/6/9

Time: 19:48

--%>

```
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<%@ page import="database.Stmt" %>
<%@ page import="java.sql.ResultSet" %>
<%@ page import="java.util.*" %>
<%@ page pageEncoding="UTF-8"%>
<html>
<head>
    <title>Title</title>
    <link rel="stylesheet" href="${pageContext.request.contextPath}/css
/userDataTable.css">
    <script src="${pageContext.request.contextPath}/js/userDataTable.js
"></script>
    <script src="${pageContext.request.contextPath}/js/urlFilter.js"></
script>
    <script src="${pageContext.request.contextPath}/js/pageJump.js"></s
cript>
</head>
<body>
<form action="${pageContext.request.contextPath}/UserDataFilter">
<table>
    <tr>
        <th colspan="8">用户信息表</th>
    </tr>
    <tr>
        <td colspan="2">
            <select name="attribute">
                <option value="null"></option>
                <option value="id" <%= "id".equals(request.getParameter
("attribute"))?"selected":""%>>id</option>
                <option value="username" <%= "username".equals(request.g
etParameter("attribute"))?"selected":""%>>姓名</option>
                <option value="password" <%= "password".equals(request.g
etParameter("attribute"))?"selected":""%>>密码</option>
                <option value="email" <%= "email".equals(request.getPara
meter("attribute"))?"selected":""%>>电子邮件</option>
            </select>
        </td>
        <td colspan="2">
            <select name="relation">
                <option value="null"></option>
                <option value="equal" <%= "equal".equals(request.getPara
meter("relation"))?"selected":""%>>等于</option>
                <option value="unequal" <%= "unequal".equals(request.get
Parameter("relation"))?"selected":""%>>不等于</option>
                <option value="bigger" <%= "bigger".equals(request.getPa
```

```

parameter("relation"))?"selected":""%>>大于</option>
        <option value="smaller" <%= "smaller".equals(request.get
Parameter("relation"))?"selected":""%>>小于</option>
        <option value="notBigger" <%= "notBigger".equals(request.
getParameter("relation"))?"selected":""%>>不大于</option>
        <option value="notSmaller" <%= "notSmaller".equals(reque
st.getParameter("relation"))?"selected":""%>>不小于</option>
        <option value="include" <%= "include".equals(request.get
Parameter("relation"))?"selected":""%>>包含</option>
        <option value="notInclude" <%= "notInclude".equals(reque
st.getParameter("relation"))?"selected":""%>>不包含</option>
    </select>
</td>
    <td colspan="3"><input type="text" name="value" value="<%=reque
st.getParameter("value")==null?"":request.getParameter("value")%>"></td>
</tr>
<!--todo:这里是多重条件区域，可根据需要添加搜索条件-->
<tr>
    <td colspan="3"><a href="userDataTable.jsp"><button type="butto
n">重置</button></a></td>
    <td colspan="4"><input type="submit" value="筛选"></td>
</tr>
<tr>
    <td>id</td>
    <td>姓名</td>
    <td>密码</td>
    <td>电子邮箱</td>
    <td colspan="3">操作</td>
</tr>
<%
    int Page = 1;
    if (request.getParameter("Page") != null) Page = Integer.parseInt(r
equest.getParameter("Page"));
    int TotalPage = 0;
    int PageSize = 10;
    if (request.getParameter("PageSize") != null)
        PageSize = Integer.parseInt(request.getParameter("PageSize"));
    String expression;
    expression = request.getParameter("expression");
    try {

        int TotalRecord;    //总数据数
        String sql = "select count(*) as recordCount from user where tr
ue";
        String sql2 = "select * from user where true";

        if (expression != null) {
            if (!request.getParameter("expression").equals("")) || reque

```



```

st.getParameter("expression") != null) {
    sql = sql + " and " + request.getParameter("expression
");
    sql2 = sql2 + " and " + request.getParameter("expressio
n");
}
}
ResultSet resultSet = Stmt.getResultSet("user", sql2);
assert resultSet != null;
ResultSet rs = Stmt.getResult(sql);
TotalRecord = Objects.requireNonNull(rs).getInt("recordCount");
if (TotalRecord % PageSize == 0)
    TotalPage = TotalRecord / PageSize;
else
    TotalPage = (int) Math.floor(TotalRecord / PageSize) + 1;
if (TotalPage == 0) TotalPage = 1;
if (request.getParameter("Page") == null || request.getParamete
r("Page").equals("")) Page = 1;
else
    try {
        Page = Integer.parseInt(request.getParameter("Page"));
    } catch (java.lang.NumberFormatException e) {
        Page = 1;
    }
if (Page < 1) Page = 1;
if (Page > TotalPage) Page = TotalPage;
if (resultSet.next()) {
    resultSet.absolute((Page - 1) * PageSize + 1);
    for (int iPage = 1; iPage <= PageSize; iPage++) {
%>
<tr class="userDataRow">
<td><%=resultSet.getString("id")%></td>
<td><%=resultSet.getString("username")%></td>
<td><%=resultSet.getString("password")%></td>
<td><%=resultSet.getString("email")%></td>
<td><a href="updateForm.jsp?id=<%=resultSet.getString("id")%>&u
sername=<%=resultSet.getString("username")%>
&password=<%=resultSet.getString("password")%>&
email=<%=resultSet.getString("email")%>">修改</a></td>
<td><a onclick="deleteConfirm('${pageContext.request.contextPat
h}/DeleteAction?id=<%=resultSet.getString("id")%>')">删除</a></td>
</tr>
<%
        if (!resultSet.next()) break;
    }
}
else {
    out.println(

```

```

        "<tr><td colspan='7'>无结果</td></tr>"
    );
    }
} catch (Exception e) {
    out.println(e.getMessage());
}
%>
<tr>
    <td><a href="addForm.jsp">新建</a></td>
</tr>
<tr>
    <td>
        <a id="lastPageButton" href="userDataTable.jsp?Page=<%=Page
- 1%>&PageSize=<%=PageSize%>&expression=<%=expression%>" onclick="retu
rn canLastPage();">上一页</a>
    </td>
    <td>
        <span>第</span>
        <input id="Page" type="number" name="Page" value="<%=Page%>
">
        <span>页</span>
    </td>
    <td>
        <span>/</span>
        <span>共</span>
        <span id="totalPage"><%=TotalPage%></span>
        <span>页</span>
    </td>
    <td><a><button type="button" id="jumpButton">跳转</button></a><
/td>
    <td>
        <span>每页</span>
        <input type="number" value="<%=PageSize%>" name="PageSize">
        <span>条</span>
    </td>
    <td>
        <a id="nextPageButton" href="userDataTable.jsp?Page=<%=Page
+ 1%>&PageSize=<%=PageSize%>&expression=<%=expression%>" onclick="retu
rn canNextPage();">下一页</a>
    </td>
</tr>
</table>
</form>
</body>
</html>

```

js

checkCode.js

```
let checkCode = ""
```

```
function getCaptcha(w, h, n) {  
  const CHARTS = "123456789ABCDEFGHIJKLMNOPQRSTUVWXYZ".split("");  
  const randomInt = (s, e) => {  
    if (s > e) {  
      let t = s;  
      s = e;  
      e = t;  
    }  
    s = Math.ceil(s);  
    e = Math.floor(e);  
    return s + Math.floor(Math.random() * (e - s))  
  }  
  const randomFloat = (s, e) => {  
    return s + Math.random() * (e - s);  
  }  
  const randomColor = (s, e) => {  
    return `rgb(${randomInt(s,e)},${randomInt(s,e)},${randomInt(s,  
e)})`;  
  }  
}
```

```
let canvas = document.createElement('canvas');  
canvas.setAttribute("width", "90")  
canvas.setAttribute("height", "30")  
let ctx = canvas.getContext('2d');
```

```
ctx.rect(0, 0, w, h);  
ctx.clip();
```

```
ctx.fillStyle = randomColor(200, 250);  
ctx.fillRect(0, 0, w, h);
```

```
for (let i = 0.05 * w * h; i > 0; i--) {  
  ctx.fillStyle = randomColor(0, 256);  
  ctx.fillRect(randomInt(0, w), randomInt(0, h), 1, 1);  
}
```

```
ctx.font = `${h - 4}px Consolas`;  
ctx.fillStyle = randomColor(160, 200);  
let value = "";  
for (let i = 0; i < n; i++) {  
  let x = (w - 10) / n * i + 5,  
    y = h - 12;  
  let r = Math.PI * randomFloat(-0.12, 0.12);  
  let ch = CHARTS[randomInt(0, CHARTS.length)];
```

```

        value += ch;
        ctx.translate(x, y);
        ctx.rotate(r);
        ctx.fillText(ch, 0, 0);
        ctx.rotate(-r);
        ctx.translate(-x, -y);
    }

    let base64Src = canvas.toDataURL('image/jpeg');
    checkCode = value
    return {
        value,
        base64Src
    };
}

function createCheckCode() {
    let res = getCaptcha(80, 30, 4);
    document.querySelector("#checkCodeCanvas").src = res.base64Src;
    document.querySelector("#checkCodeError").innerHTML = ""
}

function checkCheckCode() {
    if (document.querySelector("#checkCodeInputBox").value.toUpperCase()
    !== checkCode && document.querySelector("#checkCodeInputBox").value.to
    UpperCase()) {
        document.querySelector("#checkCodeError").innerHTML = "验证码错
        误! ";
        document.querySelector("#checkCodeInputBox").value = ""
        setTimeout(function() {createCheckCode()}, 500)
    }
}

checkPassword.js
function checkPassword() {
    if(document.getElementById("password").value !== document.getElemen
    tById("passwordConfirm").value) {
        document.getElementById("passwordNotEqual").style.display = "in
        line"
        document.getElementById("passwordConfirm").value = ""
    }
}

dataAnalysis.js
function showChart() {
    var chart = Highcharts.chart('container', {
        data: {
            table: 'datatable'
        }
    });
}

```

```

    },
    chart: {
        type: document.getElementById("type").value
    },
    title: {
        text: document.getElementById("title").value
        // 该功能依赖 data.js 模块, 详见 https://www.hcharts.cn/docs/
    },
    data-modules:
    },
    xAxis: {
        allowDecimals: false,
        title: document.getElementById("X-axis").value
    },
    yAxis: {
        allowDecimals: false,
        title: document.getElementById("Y-axis").value
    },
    });
}

function choose() {
    if (document.getElementById("X-axis").value === "null" || document.
getElementById("Y-axis").value === "null" || document.getElementById("Y
-type").value === "") {
        alert("请选择必要参数! ")
        document.getElementById("chooseBtn").setAttribute("type", "butt
on")
    }
    else {
        document.getElementById("chooseBtn").setAttribute("type", "subm
it")
    }
}

itemDataTable.js
function canLastPage() {
    let Page = document.getElementById("Page").value;
    return Page !== "1";
}

function canNextPage() {
    let Page = document.getElementById("Page").value;
    let totalPage = document.getElementById("totalPage").innerHTML;
    return Page !== totalPage;
}

function deleteConfirm(target) {
    if (confirm("是否删除? ") === true) {

```

```

        location.href = target;
    }
}

let allSelect = false;

function allSelected() {
    let i;
    let itemDataCheckBox = document.getElementsByClassName("itemDataChe
ckBox");
    let n = itemDataCheckBox.length;
    if (allSelect) {
        for (i=0; i<n; i++) {
            if (document.getElementById("reverseSelectedBox").checked)
{
                itemDataCheckBox[i].checked = true
            }
            else {
                itemDataCheckBox[i].checked = false
            }
        }
        allSelect = false;
    }
    else {
        for (i=0; i<n; i++) {
            if (document.getElementById("reverseSelectedBox").checked)
{
                itemDataCheckBox[i].checked = false
            }
            else {
                itemDataCheckBox[i].checked = true
            }
        }
        allSelect = true;
    }
    if (document.getElementById("reverseSelectedBox").checked === true)
{
        document.getElementById("reverseSelectedBox").checked = false
    }
}

function reverseSelected() {
    let itemDataCheckBox = document.getElementsByClassName("itemDataChe
ckBox");
    let n = itemDataCheckBox.length;
    for (let i=0; i<n; i++) {
        itemDataCheckBox[i].checked = itemDataCheckBox[i].checked !== t

```

```

    rue;
    }
    if (document.getElementById("itemDataAllCheckBox").checked === true)
    {
        document.getElementById("itemDataAllCheckBox").checked = false
    }
}

function itemTableClicked(obj) {
    document.getElementById("reverseSelectedBox").checked = false
    if (obj.checked === false) {
        allSelect = false
        document.getElementById("itemDataAllCheckBox").checked = false
    }
}

function checkedChange() {
    let allElem = document.getElementsByClassName("itemDataCheckBox")
    let n = allElem.length
    let a = 0
    for (let i=0; i<n; i++) {
        if (allElem[i].checked === true) {
            a++
        }
        else a--
    }
    if (a === n) {
        document.getElementById("itemDataAllCheckBox").checked = true
        allSelect = true
    }
    else if (a === 1) {
        document.getElementById("itemDataAllCheckBox").checked = false
        allSelect = false
    }
    else allSelect = false
}

leftLabelClicked.js
window.onload = function ()
{
    document.getElementById("dataAnalysis").addEventListener("click", function () {
        document.getElementById("iframeView").setAttribute("src", "data
Analysis.jsp")
    })

    document.getElementById("itemDataLabel").addEventListener("click",

```

```

function () {
    document.getElementById("iframeView").setAttribute("src", "item
DataTable.jsp")
    })
    document.getElementById("dataEntry").addEventListener("click", func
tion () {
        document.getElementById("iframeView").setAttribute("src", "item
DataInput.jsp")
    })
}

```

pageJump.js

```

function canLastPage() {
    let Page = document.getElementById("Page").value;
    return Page !== "1";
}

```

```

function canNextPage() {
    let Page = document.getElementById("Page").value;
    let totalPage = document.getElementById("totalPage").innerHTML;
    return Page !== totalPage;
}

```

urlFilter.js

```

window.onload = function () {
    let nullExpression = /expression=null/;
    if (nullExpression.test(location.href)) {
        location.href = location.href.replace("?expression=null", "?").
replace("&expression=null", "");
    }
}

```

userDataTable.js

```

window.onload = function () {
    document.getElementById("jumpButton").addEventListener("click", fun
ction () {
        let url = location.href;
        let Page = document.getElementById("Page").value;
        let reg = /Page=/;
        if (!reg.test(url)) location.href = url + "?Page=" + Page;
        else location.href=location.href.replace(/Page=\d*/, "Page=" +
Page);
    })
}

```

```

function deleteConfirm(target) {
    if (confirm("是否删除? ") === true) {
        location.href = target;
    }
}

```


css

addForm.css

```
body {  
    text-align: center;  
    color: #FFFFFF;  
}
```

```
table {  
    margin: auto;  
}
```

dataAnalysis.css

```
.beSelectedArea {  
    height: 50%;  
    position: relative;  
    overflow: scroll;  
    width: 30%;  
    float: right;  
}
```

```
.container {  
    height: 100%;  
    width: 70%;  
    float: left;  
}
```

```
.chartInformationArea {  
    overflow: auto;  
    height: 50%;  
    width: 30%;  
    float: right;  
}
```

```
.dataItemArea {  
    position: absolute;  
}
```

```
.dataItem {  
    display: inline-block;  
    background-color: red;  
    height: 70%;  
    text-align: center;  
    vertical-align: middle;  
}
```

```
.chartInformation {  
    height: 22.5%;  
}
```

```

        color: #FFFFFF;
    }

    .dragTarget {
        background-color: silver;
        border-radius: 10%;
        width: 50%;
        height: 40%;
    }

    #datatable {
        width: 100%;
        height: 100%;
    }

    tr {
        border: deepskyblue 2px solid;
    }

    html {
        color: #FFFFFF;
    }

```

itemDataInput.css

```

body {
    text-align: center;
}

```

```

table {
    margin: auto;
}

```

itemDataTable.css

```

body {
    text-align: center;
    color: #FFFFFF;
}

```

```

table {
    margin: auto;
}

```

```

a {
    color: #FFFFFF;
    text-decoration-line: none;
}

```

```

.itemDataRow:~hover {

```

```

        background-color: forestgreen;
        color: black;
    }
}

loginTable.css
html {
    text-align: center;
    background-size: cover;
    background-image: url("https://static01-proxy.hket.com/res/v3/image
/content/2110000/2112944/cns20171012124_1024_1024.jpg");
}

a, span {
    white-space: nowrap;
    vertical-align: bottom;
}

table {
    margin: auto;
}

#checkCodeInputBox {
    width: 25%;
}

.prompt {
    text-align: justify;
    width: 100%;
}

.prompt::after {
    display: inline-block;
    width: 100%;
    content: "";
}

#loginButton {
    width: 100%;
    border-radius: 10px;
    background: white;
    color: forestgreen;
}

#loginButton:hover {
    color: white;
    background: forestgreen;
}

```

```

#loginForm {
    border-radius: 20px;
    width: 350px;
    height: 180px;
    position: absolute;
    left: 50%;
    top: 50%;
    transform: translate(-50%, -50%);
    background-color: rgba(255, 255, 255, 80%)
}

td th {
    margin: auto;
    vertical-align: bottom;
    height: 30px;
}

img {
    vertical-align: bottom;
}

mainPageElement
html {
    font-family: "Adobe 宋体 Std L";
}

a {
    text-decoration: none;
}

.leftLabel {
    width: 100%;
    height: 100px;
    color: black;
    text-align: center;
    line-height: 100px;
}

.leftLabel:hover {
    cursor: hand;
    color: white;
    background-color: forestgreen;
}

#leftLabelArea {
    vertical-align: center;
}

```

```

        width: 15%;
        background-color: white;
    }

    .title {
        height: 100%;
        font-family: 华光行楷_CNKI;
        font-size: xxx-large;
        color: forestgreen;
    }

    .userInfo {
        float: right;
    }

    .mainTable {
        height: 90%;
        width: 100%;
    }

    .preTable {
        height: 10%;
        width: 100%;
    }

    .inline {
        display: inline;
    }

    .topLeft {
        width: 80%;
    }

    .topRight {
        width: 20%;
    }

    #iframe {
        background-image: url("../source/image/img.png") ;
        border: cadetblue 2px solid;
        width: 75%;
        vertical-align: top;
        color: #FFFFFF;
        background-repeat: no-repeat;
    }

    registered.css
    html {
        text-align: center;
    }

```

```

        background-size: cover;
        background-image: url("../source/image/rice-farming-2775411.jpg");
    }

    a, span {
        white-space: nowrap;
        vertical-align: bottom;
    }

    table {
        margin: auto;
    }

    #checkCodeInputBox {
        width: 25%;
    }

    .prompt {
        text-align: justify;
    }

    .prompt::after {
        display: inline-block;
        width: 100%;
        content: "";
    }

    #registeredButton {
        width: 100%;
    }

    #registeredForm {
        border-radius: 20px;
        width: 350px;
        height: 300px;
        position: absolute;
        left: 50%;
        top: 30%;
        transform: translate(-50%, -10%);
        background-color: rgba(255, 255, 255, 80%)
    }

    td {
        margin: auto;
        vertical-align: bottom;
        height: 30px;
    }

```

```

        white-space: nowrap;
        text-align: justify-all;
    }

    th {
        text-align: center;
    }

    img {
        vertical-align: bottom;
    }

    span {
        display: inline-block;
    }

    #passwordNotEqual {
        display: none;
    }

    #passwordFormatError {
        display: none;
    }

updateItemForm.css
body {
    text-align: center;
}

table {
    margin: auto;
}

userDataTable.css
body {
    text-align: center;
    color: #FFFFFF;
}

table {
    margin: auto;
    text-align: center;
}

a {
    color: #FFFFFF;
    text-decoration-line: none;
}

```

```
.userDataRow: hover {  
    background-color: forestgreen;  
    color: black;  
}
```

source

image



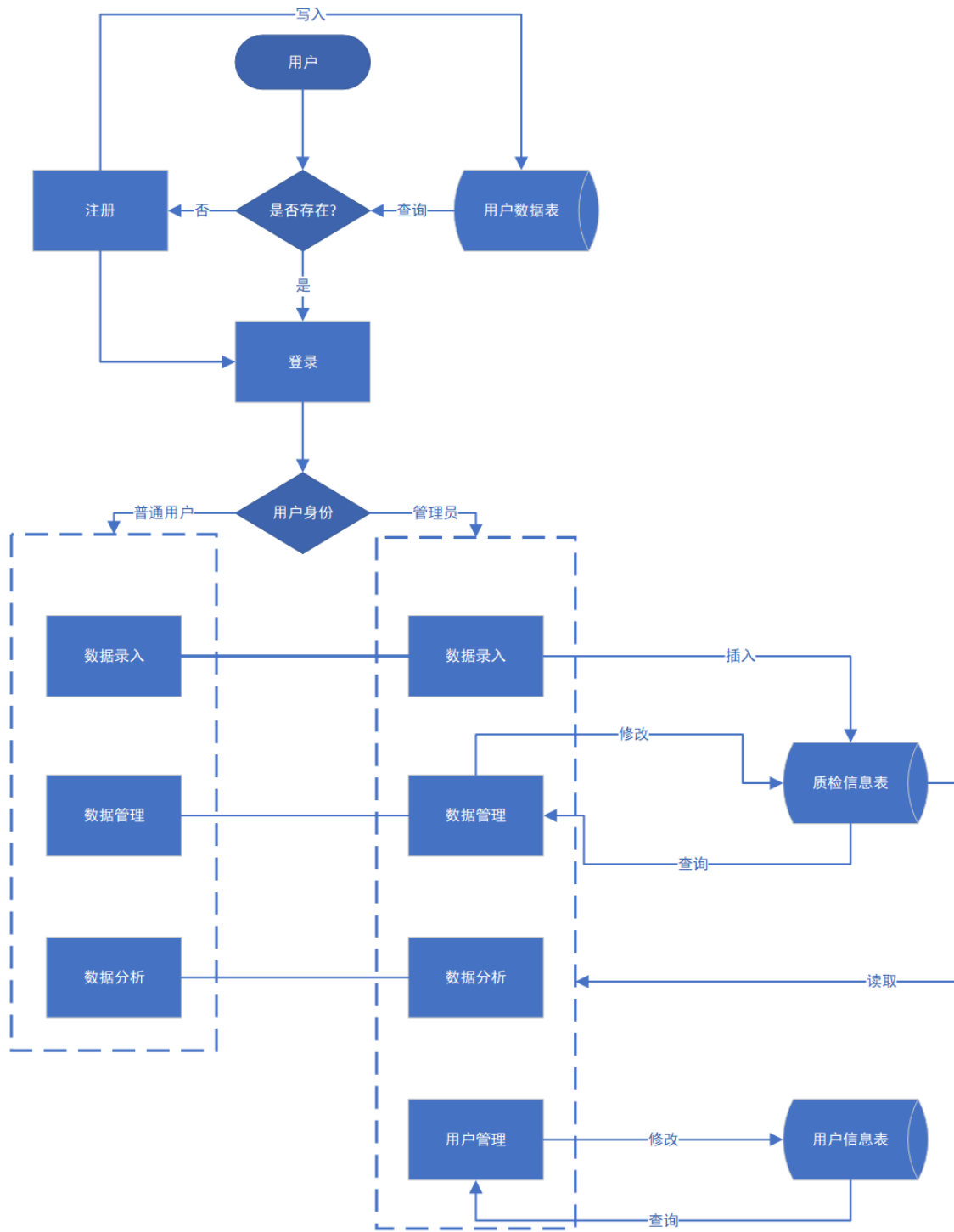
toooopen.com 第九部 港 goog



中儲糧
SINOGRain



运行流程

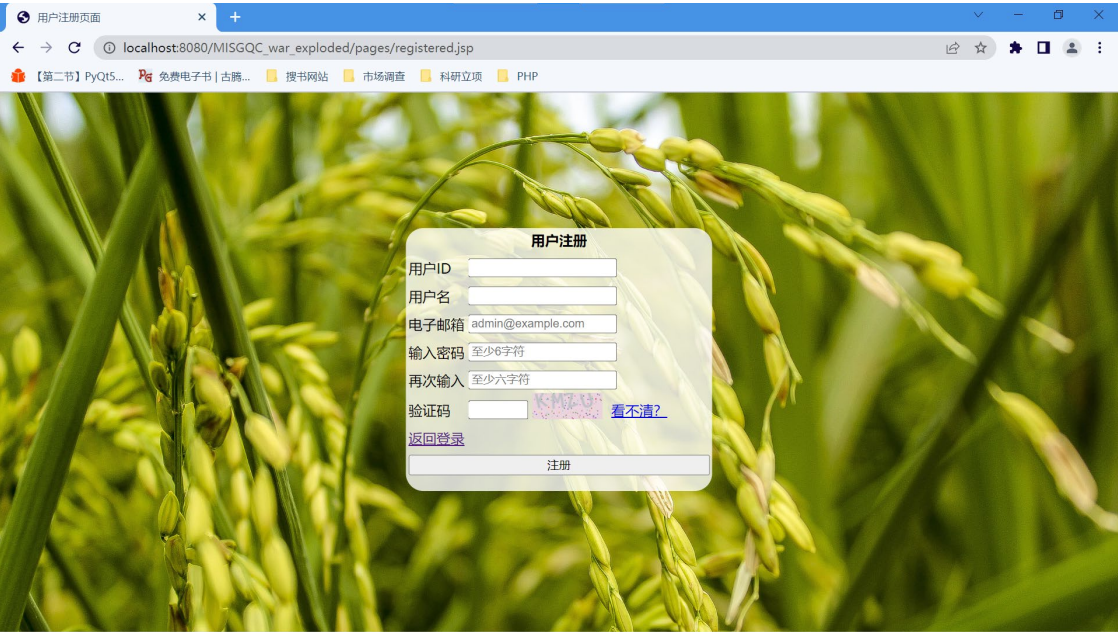


部分运行截图

登录界面



注册界面



管理员主页面

中储粮质检信息管理系统

localhost:8080/MISGQC_war_exploded/pages/main.jsp?role=administrator

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中储粮SINOGRAIN

中储粮质检信息管理系统

欢迎您, 张德注销

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用户管理

质检信息表

重置

筛选

| ■ 全选 | 编号 | 检测日期 | 实际存储库点 | 货位点 | 品种 | 水分及挥发物 (%) | 不溶性杂质 (%) | 溶剂残留量 (mg/kg) | 酸值 (mg/g) | 过氧化值 (mmol/kg) | |
|------|----|------------------|--------|-----|-----|------------|-----------|---------------|-----------|----------------|-------|
| ■ | 1 | 2022-05-31T23:59 | 中储粮 | 3 | 大豆油 | 0.05 | 0.02 | 36.4 | 1.8 | 2.4 | 修改 删除 |
| ■ | 2 | 2022-06-20T21:51 | 2号仓库 | 1 | 大豆 | 0.1 | 0.01 | 19.2 | 1 | 4 | 修改 删除 |
| ■ | 3 | 2022-06-21T15:28 | 1号仓库 | 2 | 大米 | 0.2 | 0.02 | 20.9 | 2 | 2 | 修改 删除 |
| ■ | 4 | 2022-06-22T23:01 | 3号仓库 | 2 | 大豆 | 0.65 | 0.02 | 12 | 2 | 2 | 修改 删除 |
| ■ | 5 | 2022-06-21T22:51 | 3号仓库 | 12 | 小麦 | 0.12 | 0.09 | 17.2 | 2.3 | 1.1 | 修改 删除 |
| ■ | 6 | 2022-06-23T08:41 | 中储粮 | 12 | 大米 | 0.23 | 0.04 | 14.2 | 1.7 | 3.3 | 修改 删除 |
| ■ | 7 | 2022-06-23T08:46 | 中储粮 | 12 | 玉米 | 0.53 | 0.03 | 12.1 | 1.3 | 2 | 修改 删除 |

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中储粮SINOGRAIN

中储粮质检信息管理系统

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数据录入

编号

8

检测时间

年 / 月 / 日 一:一

实际存储库点

货位号

品种

水分及挥发物 (%)

不溶性杂质 (%)

溶剂残留量 (mg/kg)

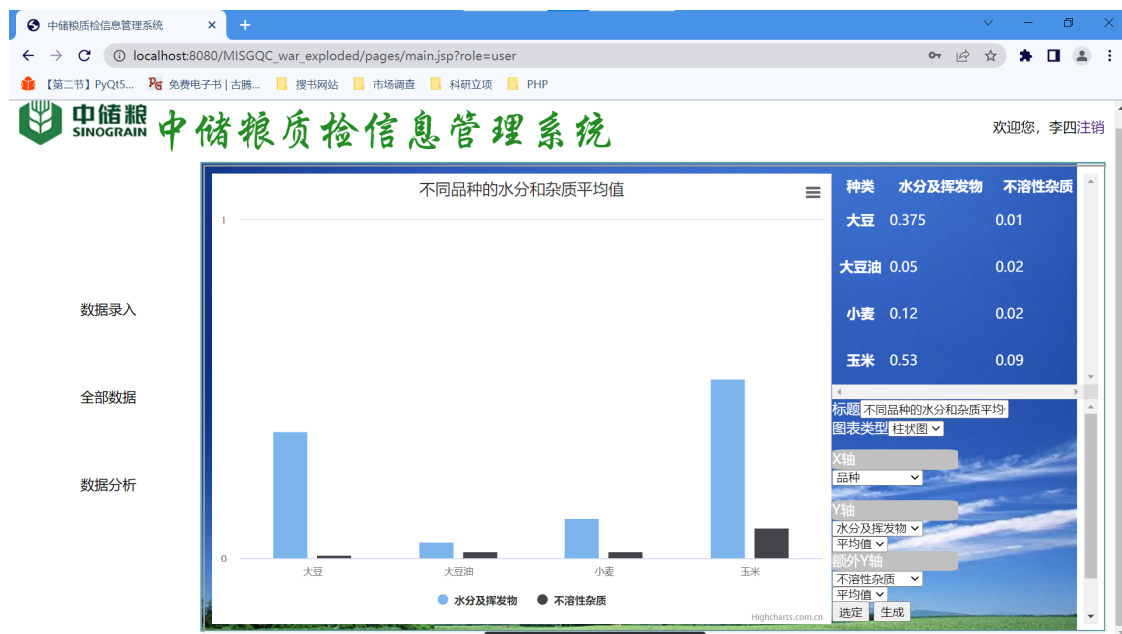
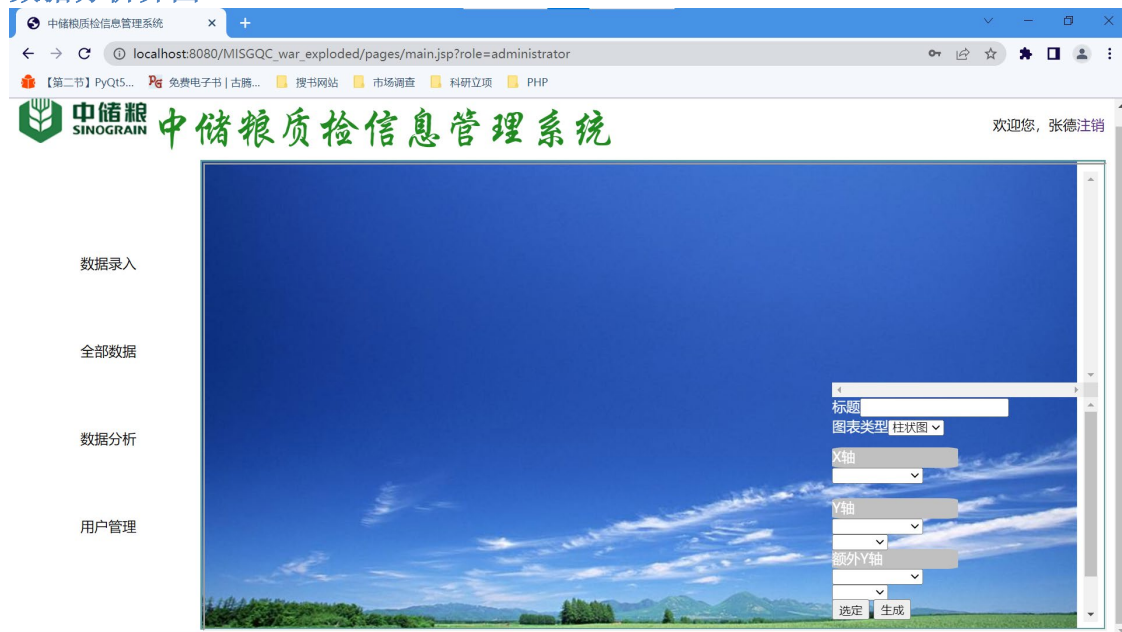
酸值 (mg/g)

过氧化值 (mmol/kg)

返回

添加

数据分析界面



用户管理页面

中储粮质检信息管理系统

localhost:8080/MISGQC_war_exploded/pages/main.jsp?role=administrator

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重置

筛选

| id | 姓名 | 密码 | 电子邮箱 | 操作 |
|-------|-----|----------|-------------------|-------|
| 17001 | 张三 | 123456 | abc@163.com | 修改 删除 |
| 17002 | 李四 | 123123 | abc@xyz.com | 修改 删除 |
| 17003 | 沈敏 | qwer1234 | 0b98@1sos5cd.xyz | 修改 删除 |
| 17004 | 贾伟 | abc210 | 215c@j81uvi5n.net | 修改 删除 |
| 17005 | 邱秀兰 | qxl2011 | 371d@p36g.xyz | 修改 删除 |
| 17011 | 李莉 | ll1234 | ll@qq.com | 修改 删除 |
| 新建 | | | | |

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用户主页面

中储粮质检信息管理系统

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中储粮 SINOGRAIN 中储粮质检信息管理系统 欢迎您, 李四注销

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筛选

| ■ 全选 | 编号 | 检测日期 | 实际存储库点 | 货位点 | 品种 | 水分及挥发物 (%) | 不溶性杂质 (%) | 溶剂残留量 (mg/kg) | 酸值 (mg/g) | 过氧化值 (mmol/kg) | 操作 |
|------|----|------------------|--------|-----|-----|------------|-----------|---------------|-----------|----------------|-------|
| ■ | 1 | 2022-05-31T23:59 | 中储粮 | 3 | 大豆油 | 0.05 | 0.02 | 36.4 | 1.8 | 2.4 | 修改 删除 |
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| ■ | 4 | 2022-06-22T23:01 | 3号仓库 | 2 | 大豆 | 0.65 | 0.02 | 12 | 2 | 2 | 修改 删除 |
| ■ | 5 | 2022-06-21T22:51 | 3号仓库 | 12 | 小麦 | 0.12 | 0.09 | 17.2 | 2.3 | 1.1 | 修改 删除 |
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| ■ | 7 | 2022-06-23T08:46 | 中储粮 | 12 | 玉米 | 0.53 | 0.03 | 12.1 | 1.3 | 2 | 修改 删除 |

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