数据库课程设计 源代码与脚本

目录

目录

（一）WEB（JSP 文件）

1. Login.jsp

```
<%--
    Created by IntelliJ IDEA.
    User: Alienware
    Date: 2020/11/23
    Time: 21:51
    To change this template use File | Settings | File Templates.
--%>
<%@ page language="java" import="java.sql.Connection,
java.sql.DriverManager,
java.sql.Statement,
java.sql.ResultSet,
java.sql.SQLException,
java.io.FileInputStream,
java.io.FileNotFoundException,
java.io.FileOutputStream,
java.io.IOException,
java.util.Random,
java.io.File ,
java.io.Writer,
java.io.FileWriter ,
java.sql.*" contentType="text/html; charset=UTF-8"
            pageEncoding="UTF-8"%>
<%request.setCharacterEncoding("utf-8");%>
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>身份验证</title>
</head>
<body>
<%
    String uid=request.getParameter("id");
    String password=request.getParameter("password");
    String tk=request.getParameter("ticket");

    System.out.println("开始");
    try {
        // 加载数据库驱动，注册到驱动管理器
        Class.forName("com.mysql.jdbc.Driver");
```

```java
// 数据库连接字符串
String url = "jdbc:mysql://localhost:3306/wanli_12306?serverTimezone=UTC";
// 数据库用户名
String usename = "root";
// 数据库密码
String psw = "ssy0926";
// 创建 Connection 连接
Connection conn = DriverManager.getConnection(url,usename,psw);
// 判断 数据库连接是否为空
if(conn != null){
        //String sql="select * from user where id='"+username+"' and password='"+
password + "'";
        Statement stmt = conn.createStatement();
        //ResultSet rs=stmt.executeQuery(sql);
        String sql1="select * from ticket where id='"+uid+"' and ticketnum='"+tk+ "'";
        long startTime = System.currentTimeMillis();
        ResultSet rs1=stmt.executeQuery(sql1);
```

// 第 4 步、关闭输出流

```java
        if(rs1.next()){
                CallableStatement cstmt = conn.prepareCall( "{call DELETE_ticket(?,?)}" );
                cstmt.setString( 1 ,uid);
                cstmt.setString( 2 ,tk);
                ResultSet rs111 = cstmt.executeQuery();
                out.println("<center><h1   style=\"background-color:  deepskyblue   \"
style=\"color: red\">退票成功，请您留意绑定银行卡／支付账号的到账信息！
</h1></center>");
        }else{
                out.println("<center><h1   style=\"background-color:  deepskyblue   \"
style=\"color: red\">退票出错，请检查输入信息！</h1></center>");
%>
<%
        }
        // 输出连接信息
        //out.println("数据库连接成功！");
        conn.close();
    }else{
        // 输出连接信息
        out.println("数据库连接失败！");
    }
} catch (ClassNotFoundException e) {
    e.printStackTrace();
} catch (SQLException e) {
    e.printStackTrace();
```

```
    }
%>
</body>

</html>
```

2. Logincheck.jsp

```jsp
<%--
    Created by IntelliJ IDEA.
    User: Alienware
    Date: 2020/11/23
    Time: 21:51
    To change this template use File | Settings | File Templates.
--%>
<%@ page language="java" import="java.sql.Connection,
java.sql.DriverManager,
java.sql.Statement,
java.sql.ResultSet,
java.sql.SQLException,
java.io.FileInputStream,
java.io.FileNotFoundException,
java.io.FileOutputStream,
java.io.IOException,
java.util.Random,
java.io.File ,
java.io.Writer,
java.io.FileWriter ,
java.sql.*" contentType="text/html; charset=UTF-8"
            pageEncoding="UTF-8"%>
<%request.setCharacterEncoding("utf-8");%>
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>身份验证</title>
</head>
<body>
<%
    String username=request.getParameter("id");
    String password=request.getParameter("password");

    System.out.println("开始");
    try {
        // 加载数据库驱动，注册到驱动管理器
```

```jsp
Class.forName("com.mysql.jdbc.Driver");
// 数据库连接字符串
String url = "jdbc:mysql://localhost:3306/wanli_12306?serverTimezone=UTC";
// 数据库用户名
String usename = "root";
// 数据库密码
String psw = "ssy0926";
// 创建 Connection 连接
Connection conn = DriverManager.getConnection(url,usename,psw);
// 判断 数据库连接是否为空
if(conn != null){
        //String sql="select * from user where id='"+username+"' and password='"+
password + "'";
        Statement stmt = conn.createStatement();
        //ResultSet rs=stmt.executeQuery(sql);
        String sql1="select * from user where id='"+username+"' and password='"+
password + "'";
        long startTime = System.currentTimeMillis();
        ResultSet rs1=stmt.executeQuery(sql1);
        long endTime = System.currentTimeMillis();      //获取结束时间
        long tim=endTime-startTime;
        File f= new File("d:" + File.separator + "Usersearch_timerecord.txt") ;
        Writer outter=null; // 准备好一个输出的对象
        outter = new FileWriter(f,true) ; // 通过对象多态性，进行实例化
// 将内容输出，保存文件
// 第 4 步、关闭输出流
        if(rs1.next()){
                String strr = "User: "+username+" login success "+"usingtime: "+tim+"
ms\r\n" ;// 准备一个字符串
                outter.write(strr) ;
                response.sendRedirect("loginsuccess.jsp?message="+username);
        }else{
                String strr1 = "User: "+username+" login fail "+"usingtime: "+tim+"
ms\r\n" ;// 准备一个字符串
                outter.write(strr1) ;
                response.sendRedirect("loginfail.jsp");
%>
< a href=" ">返回</ a>
<%
        }
        // 输出连接信息
        //out.println("数据库连接成功！ ");
        // 关闭数据库连接
        outter.close() ;
```

```
                    conn.close();
            }else{
                    //  输出连接信息
                    out.println("数据库连接失败！");
            }
        } catch (ClassNotFoundException e) {
                e.printStackTrace();
        } catch (SQLException e) {
                e.printStackTrace();
        }
%>
</body>

</html>
```

3. Loginsuccess.jsp

```
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<%request.setCharacterEncoding("utf-8");%>
<html>
<head>
    <title>Title</title>
</head>
<center>
<body background="logsuc.jpg">
<%
    String userid=request.getParameter("message");

%>
<br>
<h1 style="color: aliceblue">欢迎您！用户：<%out.println(userid);%></h1>
<h2 style="background: coral" >导览：<font color="red"><a href="login.jsp">退出登录</a>
    <a href="tuipiao.jsp">退票</a>     <a href="searchrecord.jsp">查询我的购买记录</a>
<a href="login.jsp">联系客服</a>
</font></h2>
<img src="gdxq.png" align="center" style="border:5px solid #ff7f50;">
<br>
<form id="indexform" name="indexForm" action="maichepiaocheck.jsp?uid=<%=userid%>"
method="post" accept-charset="utf-8">
    <br>
    <table border="0" bgcolor="#ff7f50">
        <tr>
            <td style="color: aliceblue">出发地：</td>
            <td><input type="text" name="origin"></td>
```

```
            <td style="color: aliceblue">目的地：</td>
            <td><input type="text" name="destination">
            </td>
            <td><input type="text" name="year"></td>
            <td style="color: aliceblue">年</td>
            <td><input type="text" name="month"></td>
            <td style="color: aliceblue">月</td>
            <td><input type="text" name="day"></td>
            <td style="color: aliceblue">日</td>
        </tr>
    </table>
    <br>
    <input type="submit" value="查询" style="color:#BC8F8F">
</form>
</body>
</center>
```

4. Zhuce.jsp

```
<%@ page contentType="text/html;charset=utf-8" language="java" %>
<%@ page     pageEncoding="utf-8"%>
<%request.setCharacterEncoding("utf-8");%>
<html>
<head>
    <title>万里 12306 购票平台用户注册页</title>
    <style type="text/css">
        .divForm{
            position: absolute;/*绝对定位*/
            width: 360px;
            height: 230px;
            border: 1px;
            text-align: center;/*(让 div 中的内容居中)*/
            top: 50%;
            left: 50%;
            margin-top: -200px;
            margin-left: -150px;
            color: #cbcbcb;
            background-color: #f0f8ff;

        }
    </style>
</head>
<body background="sign.jpg">
<center>
```

```html
<br>
<h1 style="color: aliceblue" >欢迎来到万里 12306 购票系统</h1>
<div class="divForm">
<form id="indexform" name="indexForm" action="zhucecheck.jsp" method="post">
    <table border="0" bgcolor="#f0f8ff" align="center">
        <h3 style="color: black" style="background-color: aliceblue" >注册页</h3>
        <tr>
            <td>账号(身份证号):  </td>
            <td><input type="text" name="userid"></td>
        </tr>
        <tr>
            <td>姓名:  </td>
            <td><input type="text" name="name"></td>
        </tr>
        <tr>
            <td>密码:  </td>
            <td><input type="password" name="password">
            </td>
        </tr>
        <tr>
            <td>性别:  </td>
            <td><input type="text" name="gender"></td>
        </tr>
    </table>
    <br>
    <input type="submit" value="注册" style="color:#BC8F8F">
</form>
</div>
</center>
</body>
</html>
```

5. Zhucecheck.jsp

```jsp
<%@ page language="java" import="java.sql.Connection,
java.sql.DriverManager,
java.sql.Statement,
java.sql.ResultSet,
java.sql.SQLException,
java.util.Random,
java.io.File ,
java.io.Writer,
java.io.FileWriter ,
java.sql.*" contentType="text/html; charset=UTF-8"
```

```jsp
        pageEncoding="UTF-8"%>
<%request.setCharacterEncoding("utf-8");%>
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>身份验证</title>
</head>
<body>
<body>
<%
    String username=request.getParameter("userid");
    String uname=request.getParameter("name");
    String upassword=request.getParameter("password");
    String ugender=request.getParameter("gender");
    out.println("开始");
    try {
        // 加载数据库驱动，注册到驱动管理器
        Class.forName("com.mysql.jdbc.Driver");
        // 数据库连接字符串
        String                          url                          =
"jdbc:mysql://localhost:3306/wanli_12306?serverTimezone=UTC&useUnicode=true&charact
erEncoding=UTF-8";
        // 数据库用户名
        String usename = "root";
        // 数据库密码
        String psw = "ssy0926";
        // 创建 Connection 连接
        Connection conn = DriverManager.getConnection(url,usename,psw);
        // 判断 数据库连接是否为空
        if(conn != null){
            CallableStatement cstmt = conn.prepareCall( "{call NEW_user(?,?,?,?)}" );
            cstmt.setString( 1 ,username);
            cstmt.setString( 2 ,uname);
            cstmt.setString( 3, upassword);
            cstmt.setString( 4,ugender);
            out.println(username);
            String sql="select * from user where id='"+username+"'";
            Statement stmt = conn.createStatement();
            ResultSet rs1=stmt.executeQuery(sql);
            if(rs1.next()){
                response.sendRedirect("zhucefail.jsp");
            }
            else{
                long startTime = System.currentTimeMillis();
```

```
                    cstmt.execute();
                    long endTime = System.currentTimeMillis();      //获取结束时间
                    long tim=endTime-startTime;
                    File f= new File("d:" + File.separator + "Userregister_timerecord.txt") ;
                    Writer outter=null; // 准备好一个输出的对象
                    outter = new FileWriter(f,true) ;
                    String  strr  =  "User:  "+uname+"  register  success  "+"usingtime:  "+tim+"
ms\r\n" ;// 准备一个字符串
                    outter.write(strr) ;
                    outter.close();
                ResultSet rs=stmt.executeQuery(sql);
                if(rs.next()){
                    response.sendRedirect("zhucesuccess.jsp");
                }else{
                    response.sendRedirect("zhucefail.jsp");
%>
< a href=" "></ a>
<%
                }
                // 输出连接信息
                //out.println("数据库连接成功！ ");
                // 关闭数据库连接
                conn.close();
                stmt.close();
                cstmt.close();
        }}else{
                // 输出连接信息
                out.println("数据库连接失败！ ");
        }
    } catch (ClassNotFoundException e) {
        e.printStackTrace();
    } catch (SQLException e) {
        e.printStackTrace();
    }
%>
</body>

</html>
```

6. zhucefail.jsp

```
<%--
  Created by IntelliJ IDEA.
```

```jsp
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>注册失败</title>
</head>
<body>
<center>
    <h1 style="color:red" >注册失败</h1>
    <h2 style="background-color: deepskyblue" style="color:red">可能原因</h2>
    <h3>1.已经注册过</h3>
    <h3>2.其他原因</h3>
    <font color="red"><a href="login.jsp">返回登录页</a></font>
    <endl>
        <font color="red"><a href="findpassword.jsp">找回密码</a></font>
    </endl>
    <h4>在线客服电话：xxx-xxxx-xxxx</h4>
</center>
</body>
</html>
```

7. maichepiaocheck.jsp

```jsp
<span style="font-size:12px;"><span style="font-size:14px;"><%@ page language="java" import="java.sql.*,java.io.*,java.util.*"%>
<%@ page contentType="text/html;charset=utf-8"%>
<html>
<head>
<style type="text/css">
table {
    border-collapse: collapse;
    border-spacing: 0;
}

td,th {
    padding: 0;
}

.pure-table {
```

```css
        border-collapse: collapse;
        border-spacing: 0;
        empty-cells: show;
        border: 1px solid #cbcbcb;
}

.pure-table caption {
        color: #000;
        font: italic 85%/1 arial,sans-serif;
        padding: 1em 0;
        text-align: center;
}

.pure-table td,.pure-table th {
        border-left: 1px solid #cbcbcb;
        border-width: 0 0 0 1px;
        font-size: inherit;
        margin: 0;
        overflow: visible;
        padding: .5em 1em;
}

.pure-table thead {
        background-color: #e0e0e0;
        color: #000;
        text-align: left;
        vertical-align: bottom;
}

.pure-table td {
        background-color: transparent;
}

.pure-table-odd td {
        background-color: #f2f2f2;
}

td,th {
        height: 30px;
        border: #CCCCCC 1px solid;
}
</style>
</head>
<body background="cx.jpg">
```

```html
<br>

<center>
<h1 style="color: aliceblue">车票查询结果</h1></center>
<br>
    <%
        request.setCharacterEncoding("utf-8");
        String origin=request.getParameter("origin");
        String destination=request.getParameter("destination");
        String year=request.getParameter("year");
        String month=request.getParameter("month");
        String day=request.getParameter("day");
        String uid=request.getParameter("uid");
        String time=year+"-"+month+"-"+day;
        //2019-03-05
        // 加载数据库驱动，注册到驱动管理器
        Class.forName("com.mysql.jdbc.Driver");
        // 数据库连接字符串
        String                          url                          =
"jdbc:mysql://localhost:3306/wanli_12306?serverTimezone=UTC&useUnicode=true&charact
erEncoding=UTF-8";
        // 数据库用户名
        String usename = "root";
        // 数据库密码
        String psw = "ssy0926";
        // 创建 Connection 连接
        Connection conn = DriverManager.getConnection(url,usename,psw);
        Statement stmt = conn.createStatement();
        String                                                sql="SELECT
train.trainnum,train.origin,train.destination,trip.time,trip.arrive,trip.nowprice,trip.nowmem " +
                "FROM     train,trip    where    train.trainnum=trip.trainnum    and
train.origin='"+origin+"'and     train.destination='"+destination+"'"+"    and    trip.time
LIKE'%"+time+"%'";
        ResultSet rs=stmt.executeQuery(sql);

    %>
    <br>
    <br>
    <table align="center" class="pure-table">
        <tr bgcolor="#00bfff">
            <th>
                <%
                    out.print("列车");
                %>
```

```jsp
        </th>
        <th>
            <%
                out.print("出发地");
            %>
        </th>
        <th>
            <%
                out.print("目的地");
            %>
        </th>
        <th>
            <%
                out.print("发车时间");
            %>
        </th>
        <th>
            <%
                out.print("到达时间");
            %>
        </th>
        <th>
            <%
                out.print("价格");
            %>
        </th>
        <th>
            <%
                out.print("空座数");
            %>
        </th>
        <th>
            购买链接
        </th>

</tr>

<%
    while (rs.next()) {

            String tn=rs.getString(1);
            String ori=rs.getString(2);
            String des=rs.getString(3);
            String tim=rs.getString(4);
```

```jsp
                String arr=rs.getString(5);
                String pri=rs.getString(6);
                String nowm=rs.getString(7);
        %>
            <tr bgcolor="#f0f8ff" >

            <td>
                <%
                    out.print(rs.getString(1));
                %>
            </td>
            <td>
                <%
                    out.print(rs.getString(2));
                %>
            </td>
            <td>
                <%
                    out.print(rs.getString(3));
                %>
            </td>
            <td>
                <%
                    out.print(rs.getString(4));
                %>
            </td>
            <td >
                <%
                    out.print(rs.getString(5));
                %>
            </td>
                <td>
                <%
                    out.print(rs.getString(6));
                %>
            </td>
                <td>
                <%
                    out.print(rs.getString(7));
                %>
            </td>
                <td>                                                            <a
href="buying.jsp?trainnum=<%=tn%>&time=<%=tim%>&o=<%=origin%>&d=<%=destinatio
n%>&p=<%=pri%>&uid=<%=uid%>" charset="utf-8" >购买</a></td>
```

```
        </tr>
        <%
            }

        %>
    </table>
    <div align="center">
        <br> <br> <br>
        <%
            out.print("数据查询成功，恭喜你");
        %>
    </div>
    <%
        rs.close();
        stmt.close();
        conn.close();
    %>
</body>
</html></span><span style="font-size:24px;color: rgb(255, 0, 0);">
</span></span>
```

8. buying.jsp

```
<%@ page language="java" import="java.sql.Connection,
java.sql.DriverManager,
java.sql.Statement,
java.sql.ResultSet,
java.sql.SQLException,
java.io.FileInputStream,
java.io.FileNotFoundException,
java.io.FileOutputStream,
java.io.IOException,
java.util.Random,
java.io.File ,
java.io.Writer,
java.io.FileWriter ,
java.util.Random,
java.sql.*" contentType="text/html; charset=UTF-8"
        pageEncoding="UTF-8"%>
<%request.setCharacterEncoding("utf-8");%>

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

```
    <title>购买页</title>
</head>
<body>

<%

    request.setCharacterEncoding("utf-8");
    String tn=request.getParameter("trainnum");
    String tim=request.getParameter("time");
    //String seat=request.getParameter("spaceseat");
    String uuid=request.getParameter("uid");
    String o=request.getParameter("o");
    String d=request.getParameter("d");
    String p=request.getParameter("p");
    String tickt="";
    System.out.println("开始");
    //out.print(tim);
    //out.print("<center><h1 color='red' size='20'>你好，world2！</h1></center>");
    try {
        // 加载数据库驱动，注册到驱动管理器
        Class.forName("com.mysql.jdbc.Driver");
        // 数据库连接字符串
        String url = "jdbc:mysql://localhost:3306/wanli_12306?serverTimezone=UTC";
        // 数据库用户名
        String usename = "root";
        // 数据库密码
        String psw = "ssy0926";
        // 创建 Connection 连接
        Connection conn = DriverManager.getConnection(url,usename,psw);
        // 判断 数据库连接是否为空
        if(conn != null){
            //String sql="select * from user where id='"+username+"' and password='"+
password + "'";
            Statement stmt = conn.createStatement();
            //ResultSet rs=stmt.executeQuery(sql);
            String    sql1="select    trip.nowmem,trip.trainnum    from    trip    where
trainnum='"+tn+"' and time='"+ tim + "'";
            ResultSet rs1=stmt.executeQuery(sql1);
// 将内容输出，保存文件
// 第 4 步、关闭输出流
            //out.print(rs1.getString(1));
            if(rs1.next()){
                if(rs1.getString(1).equals("0")) {
                    out.print("<center><h1    color='red'    size='20'> 暂 无 余 票
```

```
</h1></center>");
        }
        else{
            String str="0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZ";
            Random random=new Random();
            StringBuffer sb=new StringBuffer();
            for(int i=0;i<9;i++){
                int number=random.nextInt(35);
                sb.append(str.charAt(number));
            }String nextp=sb.toString();
            tickt=tn+nextp;
            String sql="select seatnum from seat where trainnum='"+tn+"'"+"and
time LIKE'"+tim+"%' and sit=0";
            ResultSet rs0=stmt.executeQuery(sql);
            String sn="";
            while(rs0.next()){
                sn=rs0.getString(1);
            }
            CallableStatement    cstmt    =    conn.prepareCall(    "{call
CREATE_TICKET(?,?,?,?,?)}" );
            cstmt.setString( 1 ,tickt);
            cstmt.setString( 2 ,sn);
            cstmt.setString( 3 ,tn);
            cstmt.setString( 4 ,tim);
            cstmt.setString( 5 ,uuid);
            ResultSet rs111 = cstmt.executeQuery();
            //=String.valueOf(System.currentTimeMillis());
            //CallableStatement    cstmt2    =    conn.prepareCall(    "{call
CREATE_PCR(?,?)}" );
           // cstmt2.setString( 1 ,uid);
            //cstmt2.setString( 2 ,tickt);
            int aa=Integer.valueOf(sn);
            int chexiang=1+aa/60;
            String sql5="select name from user where id='"+uuid+"'";
            stmt.executeQuery(sql5);
            ResultSet rs5=stmt.executeQuery(sql5);
            String nam="";
            while(rs5.next()){
                nam=rs5.getString(1);
            }
            out.println("<center><h1 style=\"background-color: deepskyblue \"
style=\"color: red\">购买成功！</h1></center>");
            out.println("<h1 color='red' size='20'>为您打印车票信息，请留存：
</h1>");
```

```
                out.println("                                        车票编号："+tickt);
                out.print("<br>");
                out.println("                                车厢："+chexiang);
                out.print("<br>");
                out.println("                            座位："+sn);
                out.print("<br>");
                out.println("                                    姓名：
"+nam+"<br>"+"身份证号："+uuid);
                out.print("<br>");
                out.println("                            价格："+p);
                out.print("<br>");
                out.println("出发时间："+tim);


            }
            //response.sendRedirect("loginsuccess.jsp");
        }else{
            out.print("<center><h1  color='red'  size='20'> 你 好 ，  world2 ！
</h1></center>");
            response.sendRedirect("loginfail.jsp");
%>
< a href=" ">返回</ a>
<%
        }
        // 输出连接信息
        //out.println("数据库连接成功！ ");
        // 关闭数据库连接

        conn.close();
    }else{
        // 输出连接信息
        out.println("数据库连接失败！ ");
    }
} catch (ClassNotFoundException e) {
    e.printStackTrace();
} catch (SQLException e) {
    e.printStackTrace();
}
%>
</body>

</html>
```

9. searchrecord.jsp

```
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<%@ page    pageEncoding="utf-8"%>
<%request.setCharacterEncoding("utf-8");%>
<html>
<head>
    <title>万里 12306 购票平台查询车票页</title>
</head>
<body background="cx.jpg">
<center>
    <br>
    <h1 style="color: aliceblue" >查询你的购买记录</h1>
    <br>
    <h3 style="color:aliceblue" style="background-color: aliceblue" >请您输入密码验证
</h3>
    <form    id="indexform"    name="indexForm"    action="searchrecordcheck.jsp"
method="post">
        <table border="0" bgcolor="#f0f8ff">

            <tr>
                <td>账号： </td>
                <td><input type="text" name="id"></td>
            </tr>
            <tr>
                <td>密码： </td>
                <td><input type="password" name="password">
                </td>
            </tr>
        </table>
        <br>
        <input type="submit" value="查询" style="color:#BC8F8F">
    </form>
</center>
</body>
</html>
```

10. searchrecordcheck.jsp

```
<span style="font-size:12px;"><span style="font-size:14px;"><%@ page language="java"
import="java.sql.*,java.io.*,java.util.*"%>
<%@ page contentType="text/html;charset=utf-8"%>
<html>
```

```html
<head>
<style type="text/css">
table {
    border-collapse: collapse;
    border-spacing: 0;
}

td,th {
    padding: 0;
}

.pure-table {
    border-collapse: collapse;
    border-spacing: 0;
    empty-cells: show;
    border: 1px solid #cbcbcb;
}

.pure-table caption {
    color: #000;
    font: italic 85%/1 arial,sans-serif;
    padding: 1em 0;
    text-align: center;
}

.pure-table td,.pure-table th {
    border-left: 1px solid #cbcbcb;
    border-width: 0 0 0 1px;
    font-size: inherit;
    margin: 0;
    overflow: visible;
    padding: .5em 1em;
}

.pure-table thead {
    background-color: #e0e0e0;
    color: #000;
    text-align: left;
    vertical-align: bottom;
}

.pure-table td {
    background-color: transparent;
}
```

```
.pure-table-odd td {
    background-color: #f2f2f2;
}

td,th {
    height: 30px;
    border: #CCCCCC 1px solid;
}
</style>
</head>
<body background="cx.jpg">
<br>
<center><h1 style="color: aliceblue">车票查询结果</h1></center>
    <%
        String uid=request.getParameter("id");
        // 加载数据库驱动，注册到驱动管理器
        Class.forName("com.mysql.jdbc.Driver");
        // 数据库连接字符串
        String                        url                        =
"jdbc:mysql://localhost:3306/wanli_12306?serverTimezone=UTC&useUnicode=true&charact
erEncoding=UTF-8";
        // 数据库用户名
        String usename = "root";
        // 数据库密码
        String psw = "ssy0926";
        // 创建 Connection 连接
        Connection conn = DriverManager.getConnection(url,usename,psw);
        CallableStatement cstmt = conn.prepareCall( "{call purchaseRecordsearch(?)}" );
        cstmt.setString( 1 ,uid);
        ResultSet rs=cstmt.executeQuery();
    %>
    <br>
    <br>
    <table align="center" class="pure-table">
        <tr bgcolor="#00bfff">
                    <th>
            <%
                out.print("用户");
            %>
        </th>
        <th>
            <%
                out.print("车票");
```

```
            %>
        </th>
        <th>
            <%
                out.print("车次");
            %>
        </th>
        <th>
            <%
                out.print("发车时间");
            %>
        </th>
        <th>
            <%
                out.print("座位号");
            %>
        </th>
        <th>
            <%
                out.print("价格");
            %>
        </th>
    </tr>

<%
    while (rs.next()) {
%>
    <tr bgcolor="#f0f8ff">
        <td>
            <% out.print(uid);%>
        </td>
        <td>
            <%
                out.print(rs.getString(1));
            %>
        </td>
        <td>
            <%
                out.print(rs.getString(2));
            %>
        </td>
        <td>
            <%
                out.print(rs.getString(3));
```

```jsp
                %>
            </td>
            <td>
                <%
                    out.print(rs.getString(4));
                %>
            </td>
            <td>
                <%
                    out.print(rs.getString(5));
                %>
            </td>
        </tr>
        <%
            }
        %>
    </table>
    <div align="center">
        <br> <br> <br>
        <%
            out.print("数据查询成功，恭喜你");
        %>
    </div>
    <%
        rs.close();
        cstmt.close();
        conn.close();
    %>
</body>
</html></span><span style="font-size:24px;color: rgb(255, 0, 0);">
</span></span>
```

11.Tuipiao.jsp

```jsp
<%--
    Created by IntelliJ IDEA.
    User: Alienware
    Date: 2020/12/1
    Time: 13:57
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<%@ page     pageEncoding="utf-8"%>
<%request.setCharacterEncoding("utf-8");%>
```

```html
<html>
<head>
    <title>万里 12306 购票平台退票页</title>
</head>
<body background="cx.jpg">
<center>
    <br>
    <h1 style="color:aliceblue" >为您退票</h1>
    <h3 style="color:aliceblue" style="background-color: aliceblue" >请您输入密码验证</h3>
    <form id="indexform" name="indexForm" action="tuipiaocheck.jsp" method="post">
        <table border="0" bgcolor="#f0f8ff">

            <tr>
                <td>账号：</td>
                <td><input type="text" name="id"></td>
            </tr>
            <tr>
                <td>密码：</td>
                <td><input type="password" name="password">
                </td>
            </tr>
            <tr>
                <td>待退车票号：</td>
                <td><input type="text" name="ticket">
                </td>
            </tr>
        </table>
        <br>
        <input type="submit" value="退票" style="color:#BC8F8F">
    </form>
</center>
</body>
</html>
```

12.Tuipiaocheck.jsp

```jsp
<%@ page language="java" import="java.sql.Connection,
java.sql.DriverManager,
java.sql.Statement,
java.sql.ResultSet,
java.sql.SQLException,
java.io.FileInputStream,
java.io.FileNotFoundException,
```

```jsp
java.io.FileOutputStream,
java.io.IOException,
java.util.Random,
java.io.File ,
java.io.Writer,
java.io.FileWriter ,
java.sql.*" contentType="text/html; charset=UTF-8"
        pageEncoding="UTF-8"%>
<%request.setCharacterEncoding("utf-8");%>
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>身份验证</title>
</head>
<body>
<%
    String uid=request.getParameter("id");
    String password=request.getParameter("password");
    String tk=request.getParameter("ticket");

    System.out.println("开始");
    try {
        // 加载数据库驱动，注册到驱动管理器
        Class.forName("com.mysql.jdbc.Driver");
        // 数据库连接字符串
        String url = "jdbc:mysql://localhost:3306/wanli_12306?serverTimezone=UTC";
        // 数据库用户名
        String usename = "root";
        // 数据库密码
        String psw = "ssy0926";
        // 创建 Connection 连接
        Connection conn = DriverManager.getConnection(url,usename,psw);
        // 判断 数据库连接是否为空
        if(conn != null){
            //String sql="select * from user where id='"+username+"' and password='"+
password + "'";
            Statement stmt = conn.createStatement();
            //ResultSet rs=stmt.executeQuery(sql);
            String sql1="select * from ticket where id='"+uid+"' and ticketnum='"+tk+ "'";
            long startTime = System.currentTimeMillis();
            ResultSet rs1=stmt.executeQuery(sql1);

// 第 4 步、关闭输出流
            if(rs1.next()){
```

```
                CallableStatement cstmt = conn.prepareCall( "{call DELETE_ticket(?,?)}" );
                cstmt.setString( 1 ,uid);
                cstmt.setString( 2 ,tk);
                ResultSet rs111 = cstmt.executeQuery();
                out.println("<center><h1    style=\"background-color:   deepskyblue   \"
style=\"color: red\"> 退票成功， 请您留意绑定银行卡/支付账号的到账信息！
</h1></center>");
            }else{
                out.println("<center><h1    style=\"background-color:   deepskyblue   \"
style=\"color: red\">退票出错，请检查输入信息！</h1></center>");
%>
<%
            }
            // 输出连接信息
            //out.println("数据库连接成功！");
            conn.close();
        }else{
            // 输出连接信息
            out.println("数据库连接失败！");
        }
    } catch (ClassNotFoundException e) {
        e.printStackTrace();
    } catch (SQLException e) {
        e.printStackTrace();
    }
%>
</body>

</html>
```

(二) MYSQL（建库脚本，触发器，存储过程，数据导入等）

1. 建库脚本

```
CREATE TABLE `wanli_12306`.`user` (
    `id` VARCHAR(45) NOT NULL,
    `name` VARCHAR(45) NOT NULL,
    `password` VARCHAR(45) NOT NULL,
    `gender` VARCHAR(45) NOT NULL,
```

```
      PRIMARY KEY (`id`));

CREATE TABLE `wanli_12306`.`train` (
    `trainnum` VARCHAR(45) NOT NULL,
    `origin` VARCHAR(45) NOT NULL,
    `destination` VARCHAR(45) NOT NULL,
    `maxmem` INT NOT NULL,
    `normalprice` FLOAT NOT NULL,
    PRIMARY KEY (`trainnum`));

CREATE TABLE `wanli_12306`.`trip` (
    `trainnum` VARCHAR(45) NOT NULL,
    `time` VARCHAR(45) NOT NULL,
    `nowmem` INT NOT NULL,
    `nowprice` FLOAT NOT NULL,
    PRIMARY KEY (`trainnum`, `time`));

CREATE TABLE `wanli_12306`.`seat` (
    `seatnum` VARCHAR(45) NOT NULL,
    `trainnum` VARCHAR(45) NOT NULL,
    `time` VARCHAR(45) NOT NULL,
    `sit` INT NOT NULL,
    PRIMARY KEY (`seatnum`, `trainnum`, `time`));

CREATE TABLE `wanli_12306`.`ticket` (
    `ticketnum` VARCHAR(45) NOT NULL,
    `seatnum` VARCHAR(45) NOT NULL,
    `trainnum` VARCHAR(45) NOT NULL,
    `time` VARCHAR(45) NOT NULL,
    PRIMARY KEY (`ticketnum`));
```

2. 视图与索引

```
CREATE
    ALGORITHM = UNDEFINED
    DEFINER = `root`@`localhost`
    SQL SECURITY DEFINER
VIEW `wanli_12306`.`trian_dongche` AS
    SELECT
        `wanli_12306`.`train`.`TrainNum` AS `TrainNum`,
        `wanli_12306`.`train`.`Origin` AS `Origin`,
        `wanli_12306`.`train`.`Destination` AS `Destination`,
        `wanli_12306`.`train`.`Destination` AS `maxmem `,
```

```
    FROM
        `wanli_12306`.`train`
    WHERE
        (`wanli_12306`.`train`.`TrainNum` LIKE 'D%')

CREATE
    ALGORITHM = UNDEFINED
    DEFINER = `root`@`localhost`
    SQL SECURITY DEFINER
VIEW `wanli_12306`.`trip_dongche` AS
    SELECT
        `wanli_12306`.`trip`.`TrainNum` AS `TrainNum`,
        `wanli_12306`.`trip`.`Origin` AS `Origin`,
        `wanli_12306`.`trip`.`Destination` AS `Destination`,
        `wanli_12306`.`trip`.`time` AS `time`,
    FROM
        `wanli_12306`.`trip`
    WHERE
        (`wanli_12306`.`trip`.`TrainNum` LIKE 'D%')
```

索引（非主键）：
```
ALTER TABLE `wanli_12306`.`user`
ADD INDEX `name` USING BTREE (`name`) VISIBLE;
;

ALTER TABLE `wanli_12306`.`seat`
ADD INDEX `sit` USING BTREE (`sit`) VISIBLE;
;

ALTER TABLE `wanli_12306`.`ticket`
ADD INDEX `id` USING BTREE (`id`) VISIBLE;
;

ALTER TABLE `wanli_12306`.`seat`
ADD INDEX `seatnum` USING BTREE (`seatnum`) VISIBLE;
;
```

3. 触发器

- Ticket 表

```
CREATE DEFINER=`root`@`localhost` TRIGGER `ticket_AFTER_INSERT` AFTER INSERT
ON `ticket` FOR EACH ROW BEGIN
    update seat set sit=1 where seatnum=new.seatnum AND
trainnum=new.trainnum AND time=new.time;
```

update trip set nowmem=nowmem-1 where trainnum=new.trainnum AND time=new.time;
END

CREATE DEFINER=`root`@`localhost` TRIGGER `ticket_BEFORE_DELETE` BEFORE DELETE ON `ticket` FOR EACH ROW BEGIN
update seat set sit=0 where seatnum=old.seatnum AND trainnum=old.trainnum AND time=old.time;
update trip set nowmem=nowmem+1 where trainnum=old.trainnum AND time=old.time;
END

- Trip 表
    CREATE DEFINER=`root`@`localhost` TRIGGER `trip_AFTER_INSERT` AFTER INSERT ON `trip` FOR EACH ROW BEGIN
    DECLARE num int (11);
    DECLARE base int (11);
    DECLARE x int (11);
        set num = (select maxmem from train where trainnum = new.trainnum);
            set x = 1;
                while x <= num do
                    insert into seat(seatnum,trainnum,time,sit)VALUES(cast(x as char(45)),new.trainnum,new.time,0);
                set x=x+1;
                end while ;
    END
        CREATE DEFINER = CURRENT_USER TRIGGER `wanli_12306`.`trip_BEFORE_DELETE` BEFORE DELETE ON `trip` FOR EACH ROW
        BEGIN
            delete from seat where trainnum=old.trainnum and time=old.time;
    END
- User 表
    CREATE DEFINER=`root`@`localhost` TRIGGER `user_BEFORE_UPDATE` BEFORE UPDATE ON `user` FOR EACH ROW BEGIN
        update ticket set id=new.id where id=old.id;
    END

4. 存储过程

- CREATE DEFINER=`root`@`localhost` PROCEDURE `CREATE_TICKET`(in tic varchar(45),in sn varchar(45) ,in tn varchar(45),in ti varchar(45),in uu varchar(45))
BEGIN
    insert into ticket(ticketnum,seatnum,trainnum,time,id)VALUES(tic,sn,tn,ti,uu);
END

- CREATE DEFINER=`root`@`localhost` PROCEDURE `DELETE_ticket`(in uid varchar(45),in ticket varchar(45))

BEGIN

    delete from ticket where ticketnum=ticket and uid=id;

END

- CREATE DEFINER=`root`@`localhost` PROCEDURE `NEW_user`(in uid varchar(45),in uname varchar(45),in upassword varchar(45),in ugender varchar(45))

BEGIN

    insert into user(id,name,password,gender)VALUES(uid,uname,upassword,ugender);

END

- CREATE DEFINER=`root`@`localhost` PROCEDURE `purchaseRecordsearch`(in sid varchar(45))

BEGIN

    select ticket.ticketnum,ticket.trainnum,ticket.time,ticket.seatnum,trip.nowprice

    from ticket,trip

    where ticket.trainnum=trip.trainnum and ticket.time=trip.time and ticket.id=sid;

END

- CREATE DEFINER=`root`@`localhost` PROCEDURE `SEARCH_TRIP_BUY`(in o varchar(45),in d varchar(45))

        BEGIN

        SELECT train.trainnum,train.origin,train.destination,trip.time,trip.nowprice

        FROM train,trip

        where train.origin=o and train.destination=d ;

    END

- CREATE DEFINER=`root`@`localhost` PROCEDURE `trainLIST`()

BEGIN

    select * from train;

END

- CREATE DEFINER=`root`@`localhost` PROCEDURE `UPDATE_user_password`(in uid varchar(45),in upassw varchar(45))

BEGIN

    update user set password=upassw where uid=id;

END

5. 批量数据导入

load data infile

'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/user_import.csv'
into table user fields terminated by ',' ;

load data infile
'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/train_import.csv'
into table user fields terminated by ',' ;

load data infile
'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/trip_import.csv'
into table user fields terminated by ',' ;

6. 调试常用命令（包含备份）

清空表:
truncate table ticket;
单表备份:
mysqldump -u root -p wanli_12306_system user >D:userBEIFEN.sql
整库备份:
mysqldump -u root -p sql_lab > D:sqllab.sql
获取当前正在使用的日志文件
show master status\G;
日志恢复:
mysqlbinlog bin-log.000162 |mysql -h *.*.*.* -u username -p passward -p 3310