第四章作业：

代码：

1. DDBean.java
2. package book.bean;  
   import java.sql.\*;  
   public class DBBean {  
     
    private String driverStr="com.mysql.jdbc.Driver";  
    private String url1="jdbc:mysql://localhost:3306/lianxi";  
    private String url2="?user=root&password=20011104";  
    private String url3="&useUnicode=true&characterEncoding=UTF-8";  
    private String connStr;  
    private Connection conn=null;  
    private Statement stmt=null;  
    public DBBean(){  
    connStr=url1+url2+url3;  
    try{  
    Class.*forName*(driverStr);  
    conn = DriverManager.*getConnection*(connStr);  
    stmt = conn.createStatement();  
    }catch(Exception ex){  
    System.*out*.println("无法同数据库建立连接！");  
    }  
    }  
    public int executeUpdate(String s){  
    int result=0;  
    try{  
    result=stmt.executeUpdate(s);  
    }catch(Exception ex){  
    System.*out*.println("执行更新错误！");  
    }  
    return result;  
    }  
    public ResultSet executeQuery(String s){  
    ResultSet rs=null;  
    try{  
    rs=stmt.executeQuery(s);  
    }  
    catch(Exception ex){  
    System.*out*.println("执行查询错误！");  
    }  
    return rs;  
    }  
    public void close(){  
    try{  
    stmt.close();  
    conn.close();  
    }  
    catch(Exception e){}  
    }  
   }

2.addbook.jsp

<%@ **page** contentType="text/html; charset=gb2312" language="java" import="java.sql.\*" errorPage="error.jsp" %>  
<html>  
<head> <title>添加图书信息</title></head>  
<body>  
<form action="addbook.jsp" method="post">  
 <table width="50%" border="1" align="center">  
 <CAPTION>添加图书信息</CAPTION>  
 <tr>  
 <th width="30%">编号：</th>  
 <td width="70%"><input name="bookid" type="text"></td>  
 </tr>  
 <tr>  
 <th>书名：</th>  
 <td><input name="bookname" type="text"></td>  
 </tr>  
 <tr>  
 <th>作者：</th>  
 <td><input name="author" type="text"></td>  
 </tr>  
 <tr>  
 <th>价格：</th>  
 <td><input name="price" type="text"></td>  
 </tr>  
 <tr>  
 <th>备注：</th>  
 <td><input name="instruction" type="text"></td>  
 </tr>  
 <tr>  
 <th colspan="2">  
 <input type="submit" name="submit" value="添加">  
 <input type="reset" value="重置">  
 </th>  
 </tr>  
 </table>  
</form>  
  
<**jsp:useBean** id="db" class="book.bean.DBBean" scope="page"/>  
<%  
 request.setCharacterEncoding("gb2312");  
 String submit=request.getParameter("submit");  
 if(submit!=null&&!submit.equals(""))  
 {  
 String bookid = request.getParameter("bookid");  
 String bookname=request.getParameter("bookname");  
 String author=request.getParameter("author");  
 String price=request.getParameter("price");  
 String instruction = request.getParameter("instruction");  
 String sql="insert into book(bookid,bookname,author,price,instruction) values("+bookid+",'"+bookname+"','"+author+"',"+price+",'"+instruction+"')";  
 int i=db.executeUpdate(sql);  
 if(i==1)  
 {  
 out.println("<script language='javaScript'> alert('添加成功,点击确定跳转到主页!');</script>");  
 response.setHeader("refresh","1;url=index.jsp");  
 }  
 else{  
 out.println("<script language='javaScript'> alert('添加失败，点击确定返回添加页面！');</script>");  
 response.setHeader("refresh","1;url=addbook.jsp");  
 }  
 db.close();  
 }  
%>  
</body>  
</html>

3.answer.jsp

<%@ **page** import="java.sql.ResultSet" %>  
<%@ **page** contentType="text/html;charset=UTF-8" language="java" %>  
<%@ **page** isELIgnored="false" %>  
<html>  
<head>  
 <title>查找界面</title>  
</head>  
<body>  
<**jsp:useBean** id="db" class="book.bean.DBBean" scope="page"/>  
<%  
 String bookid=request.getParameter("bookid");  
 ResultSet rs= db.executeQuery("select \* from book where bookid="+bookid);  
%>  
  
<form method="post">  
 <table width="50%" border="1" align="center">  
 <CAPTION>查找信息</CAPTION>  
<%  
 if(rs.next()) {  
 out.println("<th width=\"30%\">");  
 out.println("bookid = " + rs.getInt("bookid") + "<br>");  
 out.println("bookname = " + rs.getString("bookname") + "<br>");  
 out.println("author = " + rs.getString("author") + "<br>");  
 out.println("price = " + rs.getFloat("price") + "<br>");  
 out.println("instruction = " + rs.getString("instruction") + "<br>");  
 out.println("<a href='index.jsp?bookid="+bookid+"'>跳转至首页</a>");  
 out.println("</th>");  
 }else{  
 out.println("<th width=\"30%\">");  
 out.println("此书不存在!" + "<br>");  
 out.println("<a href='index.jsp?bookid="+bookid+"'>跳转至首页</a>");  
 out.println("</th>");  
 }  
%>  
 </table>  
</form>  
  
</body>  
</html>

4.appear.jsp

<%@ **page** import="java.sql.ResultSet" %><%--  
 Created by IntelliJ IDEA.  
 User: Misaki  
 Date: 2021/9/9  
 Time: 20:39  
 To change this template use File | Settings | File Templates.  
--%>  
<%@ **page** contentType="text/html;charset=UTF-8" language="java" %>  
<html>  
<head>  
 <title>查找界面</title>  
</head>  
<body>  
<**jsp:useBean** id="db" class="book.bean.DBBean" scope="page"/>  
<%  
 request.setCharacterEncoding("gb2312");  
 String bookid=request.getParameter("bookid");  
 ResultSet rs=db.executeQuery("select \* from book where bookid="+bookid);  
 rs.next();  
%>  
  
<form action="answer.jsp" method="post">  
 <table width="50%" border="1" align="center">  
 <CAPTION>查找图书信息</CAPTION>  
 <tr>  
 <th width="30%">请输入图书编号：</th>  
 <td width="70%"><input name="bookid" type="text"></td>  
 </tr>  
 <tr>  
 <th colspan="2">  
 <input type="submit" name="submit" value="查找">  
 </th>  
 </tr>  
 </table>  
</form>  
</body>  
</html>

5.delbook.jsp

<%@ **page** contentType="text/html; charset=gb2312" language="java" import="java.sql.\*"%>  
<html>  
<meta http-equiv="Content-Type" content="text/html; charset=gb2312">  
<head><title>删除图书</title></head>  
<body>  
<**jsp:useBean** id="db" class="book.bean.DBBean" scope="page"/>  
<%  
 request.setCharacterEncoding("gb2312");  
 String bookid=request.getParameter("bookid");  
 int i=db.executeUpdate("delete from book where bookid="+bookid);  
 if(i==1)  
 {out.println("<script language='javaScript'> alert('删除成功，点击确定后自动跳到主页！');</script>");  
 response.setHeader("refresh","1;url=index.jsp");  
 }  
 else{  
 out.println("<script language='javaScript'> alert('删除失败，点击确定后自动跳到主页！');</script>");  
 response.setHeader("refresh","1;url=delbook.jsp");  
 }  
 db.close();  
%>  
</body>  
</html>

6.editbook.jsp

<%@ **page** import="java.sql.\*" pageEncoding="gb2312" errorPage="error.jsp"%>  
<html>  
<head><title>修改图书信息</title></head>  
<body>  
<**jsp:useBean** id="db" class="book.bean.DBBean" scope="page"/>  
<%  
 request.setCharacterEncoding("gb2312");  
 String bookid=request.getParameter("bookid");  
 ResultSet rs=db.executeQuery("select \* from book where bookid="+bookid);  
 rs.next();  
%>  
<form action="update.jsp" method="post">  
 <table width="50%" border="1" align="center">  
 <CAPTION>修改图书信息</CAPTION>  
 <tr>  
 <th width="30%">编号：</th>  
 <td width="70%">  
 <input name="bookid" type="text" value="<%=rs.getInt(1)%>"></td>  
 </tr>  
 <tr>  
 <th>书名：</th>  
 <td><input name="bookname" type="text" value="<%=rs.getString(2)%>"></td>  
 </tr>  
 <tr>  
 <th>作者：</th>  
 <td><input name="author" type="text" value="<%=rs.getString(3)%>"></td>  
 </tr>  
 <tr>  
 <th>价格：</th>  
 <td><input name="price" type="text" value="<%=rs.getString(4)%>">元</td>  
 </tr>  
 <tr>  
 <th>备注：</th>  
 <td><input name="instruction" type="text" value="<%=rs.getString(5)%>"></td>  
 </tr>  
 <tr>  
 <th colspan="2">  
 <input type="hidden" name="bookid" value="<%=bookid%>">  
 <input type="submit" value="修改">  
 <input type="reset" value="重置">  
 </th>  
 </tr>  
 </table>  
</form>  
<%  
 db.close();  
%>  
</body>  
</html>

7.error.jsp

<%@ **page** language="java" isErrorPage="true" pageEncoding="gb2312"%>  
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">  
<html>  
<head><title>error page</title></head>  
<body>  
错误信息为：  
<%=exception.getMessage()%><br>  
<%=exception.toString()%>  
</body>  
</html>

8.index.jsp

<%@ **page** errorPage="error.jsp" import="java.sql.\*" pageEncoding="UTF-8"%>  
<html>  
<head><title>图书管理系统</title></head>  
<body>  
<center><a href=addbook.jsp>增加图书信息</a></center><p>  
<center><a href=appear.jsp>查找图书信息</a></center><p>  
<table align=center width=500 border=1>  
 <tr><td>编号<td>书名<td>作者<td>价格<td>备注<td>管理  
 <**jsp:useBean** id="db" class="book.bean.DBBean" scope="page"/>  
  
 <%  
 String s="select \* from book";  
 ResultSet rs=db.executeQuery(s);  
 while(rs.next()){  
 int bookid=rs.getInt(1);  
 out.println("<tr><td>"+rs.getInt(1)+"</td>" +  
 "<td>"+rs.getString(2)+"</td>" +  
 "<td>"+rs.getString(3)+"</td>" +  
 "<td>"+rs.getString(4)+"</td>" +  
 "<td>"+rs.getString(5)+"</td>" +  
 "<td><a href='delbook.jsp?bookid="+bookid+"'>删除</a>&nbsp;<a href='editbook.jsp?bookid="+bookid+"'>修改</a></td></tr>"  
 );  
 }  
 %>  
  
 <%  
 rs.close();  
 db.close();  
 %>  
</table>  
</body>  
</html>

9.update.jsp

<%@ **page** language="java" contentType="text/html; charset=gb2312" import="java.sql.\*" errorPage="error.jsp"%>  
<html>  
<head>  
 <title>修改完成</title>  
</head>  
<body>  
<**jsp:useBean** id="db" class="book.bean.DBBean" scope="page"/>  
<%  
 request.setCharacterEncoding("gb2312");  
 String bookname=request.getParameter("bookname");  
 String author=request.getParameter("author");  
 String price=request.getParameter("price");  
 String bookid=request.getParameter("bookid");  
 String instruction=request.getParameter("instruction");  
 String sql="update book set bookname='"+bookname+"',instruction='"+instruction+"',author='"+author+"',price="+price+" where bookid="+bookid;  
 int i=db.executeUpdate(sql);  
 if(i==1)  
 {out.println("<script language='javaScript'> alert('修改成功，点击确定后自动跳到主页。');</script>");  
 response.setHeader("refresh","1;url=index.jsp");  
 }  
 db.close();  
%>  
</body>  
</html>

截图：

















