**Java Web开发**

**实验六**

**作业报告**

|  |  |
| --- | --- |
| 学院 | 计算机 |
| 所在系班级 | 2017软件工程系11班 |
| 学号姓名 | 04172208 |
| 指导教师 | 郭晓燕 |
| 完成时间 | 2019年4月- |

# 实验题目

2. 参考成熟的购物系统，为购物车增加功能，完善购物车：删除商品，查看商品具体信息，计算商品总价，修改商品购买件数等等。界面尽量美观。

提示：Java文件即Book.java的设计需要重构，需要分离商品基本信息和购买信息，需要有类分别来保存单件商品的购买信息和所有商品的购买信息。所以至少要三个Java类才能完成购物的基本功能。

Servlet也需要响应更多的操作，可以在一个Servlet中也可以分多个文件响应。并在适当的地方调用Java方法

# 分析与设计

Shopping.jsp:展示购物首页面；car.jsp：展示所购买的东西的页面；

Buy\_Book.java:用来定义一些属性；ShoppingServlet.java:业务处理，用来对所买的书籍进行统计；img文件夹：用来放一些图片；setcount.jsp:显示商品总价格

# 关键源码（部分）

贴**package** com.demo4.javaBean;

**public** **class** Buy\_Book {

String id,name,img;

**int** number,price,total;

**public** Buy\_Book(String id,String name,String img,**int** price) {

**this**.id=id;

**this**.name=name;

**this**.img=img;

**this**.price=price;

**this**.number=0;

**this**.total=0;

}

**public** String getId() {

**return** id;

}

**public** **void** setId(String id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getImg() {

**return** img;

}

**public** **void** setImg(String img) {

**this**.img = img;

}

**public** **int** getNumber() {

**return** number;

}

**public** **void** setNumber(**int** number) {

**this**.number = number;

}

**public** **int** getPrice() {

**return** price;

}

**public** **void** setPrice(**int** price) {

**this**.price = price;

}

**public** **int** gettotalPrice() {

**return** total;

}

**public** **void** settotalPrice(**int** total) {

**this**.total = total;

}

}

**package** com.demo4.javaBean;

**import** java.io.IOException;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

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

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

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

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

@SuppressWarnings("serial")

@WebServlet("/shopping.view")

**public** **class** ShoppingServlet **extends** HttpServlet {

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

doPost(request, response);

}

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

// **TODO** Auto-generated method stub

request.setCharacterEncoding("utf-8");

HttpSession session=request.getSession();

Buy\_Book[] books=(Buy\_Book[])session.getAttribute("books");

**int** sum=(Integer)session.getAttribute("sum");

**int** total=0;

//total=(Integer)session.getAttribute("total");

**for**(Buy\_Book bk:books) {

**if**(request.getParameter("id").equals(bk.getId())) {

bk.setNumber(bk.getNumber()+1);

session.setAttribute("sum", sum+1);

}**if**(request.getParameter("id").equals(bk.getId()+10)&&bk.getNumber()!=0) {

bk.setNumber(bk.getNumber()-1);

session.setAttribute("sum", sum-1);

}

total=total+(bk.getPrice()\*bk.getNumber());

session.setAttribute("total",total);

}

response.sendRedirect("Shopping.jsp");

}}

<%@ page language=*"java"* import=*"java.util.\*"* contentType=*"text/html; charset=utf-8"*%>

<%@ page import=*"com.demo4.javaBean.\*"*%>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">

<html>

<head>

<title>购物车</title>

</head>

<%

**if**(session.getAttribute("books") == **null**){

//在session中存储采购信息

Buy\_Book[] BookList = **new** Buy\_Book[4];

BookList[0] = **new** Buy\_Book("10101", "Java核心技术", "img\\10101.jpg",10);

BookList[1] = **new** Buy\_Book("10102", "Java经典实例", "img\\10102.jpg",20);

BookList[2] = **new** Buy\_Book("10103", "Java7", "img\\10103.jpg",30);

BookList[3] = **new** Buy\_Book("10104", "JSP&Servlet", "img\\10104.jpg",20);

//存入session对象

session.setAttribute("books",BookList );

session.setAttribute("sum", 0);

session.setAttribute("total", 0);

} **int** a[]={10,20,30,40};

%>

<body>

<%

Buy\_Book[] books = (Buy\_Book[])session.getAttribute("books");

**int** sum =(Integer)session.getAttribute("sum");

%>

<p><img src=*"img/cart.jpg"* height=*"60px"* width=*"60px"*>请选择你要采购的书籍：</p >

<a href=*"car.jsp "*>当前已采购<%=sum%>本书籍</ a>

<form action=*"/test4/shopping.view"* method=*"post"*>

<%

**if**(books != **null**){

**for**(Buy\_Book book : books){

%>

<div style="float: *left*">

<img style="width:*120px* ;height:*120*" src=*"*<%=book.getImg()%>*"*><br>

<a href=*"/test4/shopping.view?id=*<%=book.getId()%>*"*>采购此书 </a>

<br><a href=*"/test4/shopping.view?id=*<%=book.getId()+10%>*"*>删除此书 </a>

<br>

单价：<%=book.getPrice()%>元

</div>

<%}%>

<%}%>

</form>

</body>

</html>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">

<html>

<head>

<%@ page language=*"java"* import=*"java.util.\*"* pageEncoding=*"UTF-8"*%>

<%@page import=*"com.demo4.javaBean.\*"* %>

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

<title>购物车</title>

</head>

<body>

<%

Buy\_Book[] books=(Buy\_Book[])session.getAttribute("books");

**int** sum=(Integer)session.getAttribute("sum");

**int** total=(Integer)session.getAttribute("total");

%>

<p>以采购<%=sum%>本书籍</p>

<a href=*"Shopping.jsp"*>返回继续采购</a>

<%

**if**(books!=**null**){%>

<table>

<%**for**(Buy\_Book book:books){ %>

<tr>

<td> <img height=*"60px"* width=*"60px"* src=*"*<%=book.getImg()%>*"*></td>

<td><td> <td>共<%=book.getNumber()%>本 <br></td>

</tr>

<%} %>

</table>

<%}%>

<hr>

<a href=*"setcount.jsp"*>结账</a>

</body>

</html>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">

<html>

<head>

<%@ page language=*"java"* import=*"java.util.\*"* pageEncoding=*"UTF-8"*%>

<%@page import=*"com.demo4.javaBean.\*"* %>

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

<title>购物车</title>

</head>

<body><a href=*"Shopping.jsp"*>返回继续采购</a>

<%**int** a[]={10,20,30,40};

Buy\_Book[] books=(Buy\_Book[])session.getAttribute("books");

**int** sum=(Integer)session.getAttribute("sum");

**int** total=(Integer)session.getAttribute("total");

**if**(books!=**null**){%>

<table>

<%**for**(Buy\_Book book:books){ %>

<tr>

<td> <img height=*"60px"* width=*"60px"* src=*"*<%=book.getImg()%>*"*></td>

<td>共<%=book.getNumber()%>本 <br></td>

<td><td> <td>共<%=book.getNumber()\*book.getPrice()%>元

</tr>

<%} %>

</table>

<%}%>

<br>

<%**if**(sum==0)

out.println("你当前没有购买到东西！");**else**%>

<br>

<hr>

合计<%=total %>元

</body>

</html>

# 运行效果图

  