**Java Web开发**

**实验六**

**作业报告**

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| --- | --- |
| 学院 | 计算机 |
| 所在系班级 | 2017软件工程系11班 |
| 学号姓名 | 04172213 唐思博 |
| 指导教师 | 郭晓燕 |
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# 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）

Shopping.jsp

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

<%@ page import=*"Shop.Book"* %>>

<%

String path = request.getContextPath();

String basePath = request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()+path+"/";

%>

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

<html>

<head>

<title>网上书店</title>

</head>

<%

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

Book[] BookList = **new** Book[4];

BookList[0] = **new** Book("10101","Java语言程序设计","img\\10101.jpg",10.00);

BookList[1] = **new** Book("10102","Java开发手册","img\\10102.jpg",20.00);

BookList[2] = **new** Book("10103","网页设计基础","img\\10103.jpg",30.00);

BookList[3] = **new** Book("10104","Java程序设计","img\\10104.jpg",40.00);

session.setAttribute("bookList",BookList);

session.setAttribute("sum",0);

session.setAttribute("total",0);

}

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

%>

<body>

<%

Book[] bookList = (Book[])session.getAttribute("bookList");

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

%>

<p><img scr=*"img/cart.jpg"*style= "width:*60px*;height:*60px*">请选择你要的书籍：</p>

<a href=*"Show.jsp"*>已采购<%=session.getAttribute("sum") %>本书籍</a><br>

<br>

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

<table border=*"1"*>

<%

**if**(bookList!=**null**)

**for**(Book book:bookList){%>

<div style:"float:left">

<img src=*"*<%=book.getBookImg() %>*"*>

<a href=*"shopping.view?id=*<%=book.getBookId() %>*"*>

加入购物车</a>

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

<br>

单价：<%=book.getBookPrice() %>>元

<%}

%></div>

</table>

</body>

</html>

Show.jsp

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

<%@ page import=*"Shop.Book"* %>>

<%

String path = request.getContextPath();

String basePath = request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()+path+"/";

%>

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

<html>

<head>

<title>我的购物车</title>

</head>

<body>

<%

Book[] bookList = (Book[])session.getAttribute("bookList");

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

%>

<p>已采购<%=sum %>本书籍</p>

<a href=*"Shopping.jsp"*>返回首页</a>

<%**if**(bookList!=**null**) {%>

<table>

<%

**for**(Book book:bookList){

%>

<tr>

<td><img style="width:*150px*;height:*200px*" src=*"*<%=book.getBookImg() %>*"*></td>

<td>共<%=book.getNum() %>本</td>

<%} %><%} %>>

</tr>

</table>

<a href=*"count.jsp"*>结账</a>

</body>

</html>

ShopServlet.java

**package** Shop;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletException;

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

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

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

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

**public** **class** ShopServlet **extends** HttpServlet {

**public** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

doPost(request,response);

}

**public** **void** doPost(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

response.setContentType("text/html;charset=utf-8");

response.setCharacterEncoding("UTF-8");

HttpSession session = request.getSession();

Book[] bookList = (Book[]) session.getAttribute("bookList");

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

**int** total = 0;

PrintWriter out = response.getWriter();

**if**(bookList!=**null**)

{

**for** (Book book : bookList) {

**if**(book.getBookId().equals(request.getParameter("id")))

{

book.setNum(book.getNum()+1);

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

}**if**((book.getBookId()+10).equals(request.getParameter("id"))&&book.getNum()!=0) {

book.setNum(book.getNum()-1);

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

}

total = (**int**) (total+(book.getBookPrice()\*book.getNum()));

session.setAttribute("total",total);

}

response.sendRedirect("Shopping.jsp");

}

}

}

Book.java

**package** Shop;

**public** **class** Book{

String bookId;

String bookName;

String bookImg;

**double** bookPrice;

**int** num;

**public** **int** getTotal() {

**return** total;

}

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

**this**.total = total;

}

**int** total;

**public** Book(String id,String name,String bookImg,**double** price)

{

**this**.bookId = id;

**this**.bookName = name;

**this**.bookImg = bookImg;

**this**.num = num;

**this**.bookPrice = price;

**this**.total = total;

}

**public** String getBookId() {

**return** bookId;

}

**public** **void** setBookId(String bookId) {

**this**.bookId = bookId;

}

**public** String getBookName() {

**return** bookName;

}

**public** **void** setBookName(String bookName) {

**this**.bookName = bookName;

}

**public** String getBookImg() {

**return** bookImg;

}

**public** **void** setBookImg(String bookImg) {

**this**.bookImg = bookImg;

}

**public** **double** getBookPrice() {

**return** bookPrice;

}

**public** **void** setBookPrice(**double** bookPrice) {

**this**.bookPrice = bookPrice;

}

**public** **int** getNum() {

**return** num;

}

**public** **void** setNum(**int** num) {

**this**.num = num;

}

}

Count.jsp

<%@ page language=*"java"* import=*"java.util.\*,Shop.Book"* pageEncoding=*"utf-8"*%>

<%

String path = request.getContextPath();

String basePath = request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()+path+"/";

%>

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

<html>

<head>

<title>购物车</title>

</head>

<body>

<a href=*"Shopping.jsp"*>返回继续采购</a>

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

Book bookList[] = (Book[])session.getAttribute("bookList");

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

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

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

<table>

<%**for**(Book book:bookList){ %>

<tr>

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

<td>共<%=book.getNum()%>本 <br></td>

<td>共<%=book.getNum()\*book.getBookPrice()%>元</td>

</tr>

<%} %>

</table>

<%}%>

<br>

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

out.println("你当前没有购买到东西！");**else**%>

<br>

合计<%=total %>元

</body>

</html>

# 运行效果图





