**Java Web开发**

**实验一**

**作业报告**

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| --- | --- |
| 学 院 | 计算机 |
| 所在系 班 级 | 2017软件工程系6班 |
| 学 号 姓 名 | 04171410 邹俊琛 |
| 指 导 教 师 | 郭晓燕 |
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Shopping.Jsp显示页面

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

pageEncoding=*"UTF-8"*%>

<%@page import=*"test6.\*"* %>

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

<html>

<%

//当第一次访问采购网页，session对象中还没有book购物车信息时，进行初始化。

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

//在session对象中存储图书采购信息

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

BookList[0] = **new** Book("10101", "Java核心技术", "img\\10101.jpg",0,10.2);

BookList[1] = **new** Book("10102", "Java经典实例", "img\\10102.jpg",0,12.5);

BookList[2] = **new** Book("10103", "Java7", "img\\10103.jpg",0,13.7);

BookList[3] = **new** Book("10104", "JSP&Servlet", "img\\10104.jpg",0,16.9);

//存入session对象中

session.setAttribute("bookList", BookList);

session.setAttribute("sum", 0);

}

%>

<body>

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

<br>

<table border=*"1"*>

<%

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

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

out.println("<tr>");

out.println("<td><img src='"+book.getImg()+"'></td>");

out.println("<td><a href='shopping.view?id="+book.getProductID()+"'>采购此书</a></td>");

out.println("</tr>");

}

%></table>

</body>

</html>

Book.java

**package** test6;

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

String productID;//商品ID

String img;//商品图片

String productName;//商品名字

**double** productPrice;//商品价格

**int** shopNum;//商品数量

**public** Book(String id,String name,String img,**int** num, **double** price) {

**this**.productID=id;

**this**.img=img;

**this**.productName=name;

**this**.productPrice=price;

**this**.shopNum=num;

}

**public** String getProductID() {

**return** productID;

}

**public** **void** setProductID(String productID) {

**this**.productID=productID;

}

**public** String getproductName() {

**return** productName;

}

**public** **void** setproductName(String productName) {

**this**.productName=productName;

}

**public** **int** getshopNum() {

**return** shopNum;

}

**public** **void** setshopNum(**int** shopNum) {

**this**.shopNum=shopNum;

}

**public** String getImg() {

**return** img;

}

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

**this**.img = img;

}

**public** **double** getproductPrice() {

**return** productPrice;

}

**public** **void** setproductPrice(**double** productPrice) {

**this**.productPrice=productPrice;

}

}

Shopservlet.java

package test6;

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;

@WebServlet("/test6/shopping.view")

public class ShoppingServlet extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

String bookid = null;

String bookname;

String bookimg;

int booknum = 0;

//获取从Shopping.jsp传来的request对象中的ID号

HttpSession session=request.getSession();

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

//在ID号不为空的情况下，获取Session对象中的购物车信息，Book数组。

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

if(id!=null){

for(int i=0;i<BookList.length;i++){

bookid=BookList[i].getProductID();

bookname=BookList[i].getproductName();

bookimg=BookList[i].getImg();

booknum=BookList[i].getshopNum();

//找到数组中与ID对应的Book对象，将其属性Num数字加1

if(id.equals(bookid)){

booknum++;

BookList[i].setshopNum(booknum);

}

}

}

int sum=0;

for(Book book:BookList){

int num=book.getshopNum();

sum+=num;

}

session.setAttribute("sum", sum);

session.setAttribute("bookList", BookList);

//跳转回Shopping.jsp

response.sendRedirect("shop.jsp");

}

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

doGet(request,response);

}

}

Carservlet.java

package test6;

import java.io.IOException;

import java.io.PrintWriter;

import java.text.DecimalFormat;

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;

import test6.\*;

@WebServlet("/test6/cart.view")

public class CarServlet extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

HttpSession session=request.getSession();

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

int sum=0;

double totalprice=0;

DecimalFormat df = new DecimalFormat("#.00");

for(Book book:bookList){

int num=book.getshopNum();

double price=book.getproductPrice();

totalprice+=price\*num;

sum+=num;

}

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

PrintWriter out=response.getWriter();

out.println("<!DOCTYPE HTML PUBLIC '-//W3C//DTD HTML 4.01 Transitional//EN'>");

out.println("<html>");

out.println("<head>");

out.println("<title>购物车</title>");

out.println("</head>");

out.println("<body>");

out.println("<table>");

out.println("<a>已采购"+sum+"本书籍</a><br>");

out.println(" <table border='1'>");

out.println("<tr>");

for(Book book:bookList){

if(book.getshopNum()!=0){

out.println("<td><img src='"+book.getImg()+"'></td>");

}

}

out.println("</tr><br>");

out.println("<tr>");

for(Book book:bookList){

if(book.getshopNum()!=0){

out.println("<td><p>"+book.getproductName()+"</td>");

}

}

out.println("</tr>");

out.println("<tr>");

for(Book book:bookList){

if(book.getshopNum()!=0){

out.println("<td><p>"+df.format(book.getproductPrice()\*book.getshopNum())+"（元）</td>");

}

}

out.println("</tr>");

out.println("<tr>");

for(Book book:bookList){

if(book.getshopNum()!=0){

out.println("<td><a>已购"+book.getshopNum()+"本</a></td>");

}

}

out.println("</tr>");

out.println("</table>");

out.println("<p>共"+df.format(totalprice)+"元");

out.println("</body>");

out.println("</html>");

out.close();

}

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

doGet(request,response);

}

}





