**Java Web开发**

**实验五**

**作业报告**

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| --- | --- |
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# 实验题目

实现一个购物车应用程序，可以购物，显示购物数量并查看购物车内容。

# 分析与设计

设计五个类，一个login.jsp用于登录获取用户信息，一个shopping.jsp用于显示购物界面，一个Book.java用来设置相关变量的get、set方法，一个ShopLogin.java用来验证登录信息以及保存商品信息，最后一个BookCount.java用来计算购物数量以及总价并在最终页面显示出购物车信息

# 关键源码（部分）

login.jsp:<%@ page contentType= *"text/html;charset=utf-8"*%>

<%@page import=*"javax.servlet.http.HttpSession"* %>

<html>

<body bgcolor=*red*>

<p>请输入用户名

<form action=*"ShopLogin"* method=*post* name=*form*>

<input type=*"text"* name=*"name"* >

<input type=*"submit"* value=*"提交"* name=*subimt*>

</form>

<%

String ID=(String)session.getId();

String name=(String)session.getAttribute("customer");

**if**((name!=**null**)&&(name.length()>0))

{

%> <p>登陆成功<%=ID %>

<br>

<a href=*"Shopping.jsp"*>欢迎选购商品</a>

<%} %>

</body>

</html>

Shoping.jsp：<%@ page contentType= *"text/html;charset=utf-8"* import=*"java.util.\*,demo.\*"*%>

<html>

<body bgcolor=*"#FF55FF"*>

ID号<%=(String)session.getId() %><br>

<%

String name=(String)session.getAttribute("customer");

Book[] books=(Book[])session.getAttribute("book");

%>

欢迎您，<%=name %>

<br>

<img src=*"C:\Users\Administrator\Desktop\005.jpg"* style="width: *115px*; height: *116px*;">

<br>

<p>请选择你所需要的书籍

<br>

<div width=*100%* height=*50px*>

<form action=*"BookCount"* method=*post* name=*form*>

<%

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

{

**for**(Book book:books)

{

%>

<input type=*"checkbox"* name=*"choice"* value=<%=book.getBookID() %>>

<%=book.getBookName() %>

<%=book.getBookPrice() %>

<%}

}%>

<input type=*"submit"* value=*"提交"* name=*"submit"*>

</form>

</div>

<div>

<img src=*'C:\Users\Administrator\Desktop\000.jpg'* style="width: *115px*; height: *116px*; ">

<img src=*"C:\Users\Administrator\Desktop\001.jpg"* style="width: *115px*; height: *116px*; ">

<img src=*"C:\Users\Administrator\Desktop\002.jpg"* style="width: *115px*; height: *116px*; ">

<img src=*"C:\Users\Administrator\Desktop\003.jpg"* style="width: *115px*; height: *116px*; ">

</div>

</body>

</html>

Book.java:**public** **class** Book {

**private** String bookID;//商品ID

**private** String bookName; //商品名字

**private** **int** bookPrice;//商品价格

**private** **int** sum;//购买数量

**public** Book(String id,String name,**int** price)

{

**this**.bookID=id;

**this**.bookName=name;

**this**.bookPrice=price;

**this**.sum=0;

}

**public** **int** getBookPrice() {

**return** bookPrice;

}

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

**this**.bookPrice = bookPrice;

}

**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** **int** getSum() {

**return** sum;

}

**public** **void** setSum(**int** sum) {

**this**.sum = sum;

}

}

Shopplogin:

package demo;

import java.io.IOException;

import java.io.PrintWriter;

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("/ShopLogin")

**public** **class** ShopLogin **extends** HttpServlet {

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

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

HttpSession session=request.getSession();

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

**if**(name==**null**)

{

name="";

response.sendRedirect("login.jsp");

}

**else**

{

session.setAttribute("customer", name);

Book[] book=books();

session.setAttribute("book", book);

response.sendRedirect("Shopping.jsp");

}

}

**private** Book[] books() {

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

books[0]= **new** Book("000","马克思原理",15);

books[1]= **new** Book("001","近代史纲要",22);

books[2]= **new** Book("002","毛概",35);

books[3]= **new** Book("003","形势与政策",25);

**return** books;

}

}

BookCount.java:

package demo;

import java.io.IOException;

import java.io.PrintWriter;

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("/BookCount")

public class BookCount extends HttpServlet {

public void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException

{

HttpSession session=request.getSession();

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

String name;

String number;

**int** price=0,totalPrice,num=0;

Book[] BookS=(Book[])session.getAttribute("book");

String Choice[]=request.getParameterValues("choice");

**if**(Choice!=**null**)

{

**for**(**int** k=0;k<Choice.length;k++)

{

number=Choice[k];

**for**(**int** i=0;i<BookS.length;i++)

{

**if**(number.equals(BookS[i].getBookID()))

{

BookS[i].setSum(BookS[i].getSum()+1);

}

}

}

}

printChart(request,response);

}

**public** **void** printChart

(HttpServletRequest request,

HttpServletResponse response)**throws** IOException{

HttpSession session=request.getSession();

PrintWriter out=response.getWriter();

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

**int** num=0;

**int** totalPrice=0;

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

out.println("<p>这里是收银台");

out.println("<br>您的姓名:"+(String)session.getAttribute("customer"));

Book[] bookS=(Book[])session.getAttribute("book");

**for**(**int** i=0;i<bookS.length;i++)

{

out.println("<br>商品"+bookS[i].getBookName()+"价格:"+

bookS[i].getBookPrice()+"件数"+bookS[i].getSum());

num=num+bookS[i].getSum();

totalPrice=totalPrice+(bookS[i].getBookPrice()\*bookS[i].getSum());

}

request.setAttribute("Num","num");

out.println("<p>商品总件数:"+num+"总价格:"+totalPrice);

out.println("<a href=Shopping.jsp>点此返回商城</a>");

out.println("<a href=login.jsp>点此切换登录用户</a>");

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

}

}

# 运行效果图

# 1555286375(1)1555286391(1)1555286405(1)1555286422(1)1555286438

# 收获与问题