**Java Web开发**

**实验六**

**作业报告**

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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

Test1.jsp：展示所购买的东西的页面；

Test.java:用来定义一些属性和业务处理，用来对所买的书籍进行统计；img文件夹：用来放一些图片；

# 关键源码（部分）

import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

import java.util.List;

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 com.oracle.webservices.internal.api.EnvelopeStyle.Style;

import model.book;

@WebServlet("/test24")

@SuppressWarnings("serial")

public class test24\_购物车 extends HttpServlet{

protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

resp.setHeader("content-type", "text/html;charset=utf-8");

//Servlet返回给客户端的数据可以是html标签数据

HttpSession session = req.getSession();

//在session中存储采购信息

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

book[] B = new book[4];

B[0] = new book(0,"Java核心技术","ttt\\img\\10101.jpg",88);

B[1] = new book(1,"Java经典实例","ttt\\img\\10101.jpg",66);

B[2] = new book(2,"Java7","ttt\\img\\10101.jpg",77);

B[3] = new book(3,"JSP&Servlet","ttt\\img\\10101.jpg",22);

//存入session对象

session.setAttribute("books",B);

session.setAttribute("summ", 0);

}

PrintWriter writer = resp.getWriter();

if(req.getParameter("xid")!=null)

{

//1.获取书的id

String bookid = req.getParameter("xid");

//2.通过id找到书

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

book b1 = new book(0, " ", " ", 0);

b1 = book.getbook(books, bookid);

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

if(b1.getId()==0&&B[0].getci()!=0)

B[0].setCi(B[0].getci()-1);

else if(b1.getId()==1&&B[1].getci()!=0)

B[1].setCi(B[1].getci()-1);

else if(b1.getId()==2&&B[2].getci()!=0)

B[2].setCi(B[2].getci()-1);

else if(b1.getId()==3&&B[3].getci()!=0)

B[3].setCi(B[3].getci()-1);

session.setAttribute("c0",B[0].getci());

session.setAttribute("c1",B[1].getci());

session.setAttribute("c2",B[2].getci());

session.setAttribute("c3",B[3].getci());

//4.加入session

PrintWriter write = resp.getWriter();

write.write("已选购");

for(book b : B)

{

write.write("<br>"+b.getName());

write.write("X");

if(b.getId()==0)

write.write(B[0].getci()+"");

else if(b.getId()==1)

write.write(B[1].getci()+"");

else if(b.getId()==2)

write.write(B[2].getci()+"");

else if(b.getId()==3)

write.write(B[3].getci()+"");

}

}

if(req.getParameter("id")!=null)

{

//1.获取书的id

String bookid = req.getParameter("id");

//2.通过id找到书

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

book b1 = new book(0, " ", " ", 0);

b1 = book.getbook(books, bookid);

//3.加入书单

List<book> cart = (List<book>) req.getSession().getAttribute("cart");

if(cart == null)

{

cart = new ArrayList<book>();

}

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

cart.add(b1);

if(b1.getId()==0)

B[0].setCi(B[0].getci()+1);

else if(b1.getId()==1)

B[1].setCi(B[1].getci()+1);

else if(b1.getId()==2)

B[2].setCi(B[2].getci()+1);

else if(b1.getId()==3)

B[3].setCi(B[3].getci()+1);

session.setAttribute("c0",B[0].getci());

session.setAttribute("c1",B[1].getci());

session.setAttribute("c2",B[2].getci());

session.setAttribute("c3",B[3].getci());

//4.加入session

req.getSession().setAttribute("cart", cart);

PrintWriter write = resp.getWriter();

write.write("已选购");

for(book b : B)

{

write.write("<br>"+b.getName());

write.write("X");

if(b.getId()==0)

write.write(B[0].getci()+"");

else if(b.getId()==1)

write.write(B[1].getci()+"");

else if(b.getId()==2)

write.write(B[2].getci()+"");

else if(b.getId()==3)

write.write(B[3].getci()+"");

}

}

//2.把书显示给浏览器

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

writer.write("<br>"+"购买图书列表");

for(book b : B)

{

String aaa=("<img "+"src="+"\""+b.getAuthor()+"\""+">"+"<br>");

System.out.println(aaa);

writer.write("<img "+"src="+"\'"+b.getAuthor()+"\'"+">"+"<br>");

String astr1 = "<br><a href='http://localhost:8080"+req.getContextPath()+"/test24?id="+b.getId()+"'>"+b.getName()+"- 增加一件</a>";

writer.write(astr1);

String astr2 ="<a href='http://localhost:8080"+req.getContextPath()+"/test24?xid="+b.getId()+"'>"+"&emsp;减少一件</a>";

writer.write(astr2);

}

String astr = "<br><a href='http://localhost:8080"+req.getContextPath()+"/test24\_buy"+"'>"+"结账"+"</a>";

writer.write(astr);

}

}

package tttt;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

import java.util.List;

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 model.book;

@WebServlet("/test24\_buy")

@SuppressWarnings("serial")

public class test24\_buy extends HttpServlet{

@SuppressWarnings("unused")

@Override

protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

resp.setHeader("content-type", "text/html;charset=utf-8");

//用户买书，书放在购物车

//3.把书放在购物车List<book> cart

List<book> cart = (List<book>) req.getSession().getAttribute("cart");

HttpSession aa =req.getSession();

//

//4.把List放在session

//5.显示信息

PrintWriter write = resp.getWriter();

write.write("已选购");

book[] B =(book[]) aa.getAttribute("books");

int c0 = (int) aa.getAttribute("c0");

int c1 = (int) aa.getAttribute("c1");

int c2 = (int) aa.getAttribute("c2");

int c3 = (int) aa.getAttribute("c3");

int sum=0;

for(book b : B)

{

write.write("<br>"+b.getName());

write.write("X");

if(b.getId()==0)

write.write(c0+"");

else if(b.getId()==1)

write.write(c1+"");

else if(b.getId()==2)

write.write(c2+"");

else if(b.getId()==3)

write.write(c3+"");}

sum=c0\*B[0].getPrice()+c1\*B[1].getPrice()+c2\*B[2].getPrice()+c3\*B[3].getPrice();

write.write("<br>");

write.write("一共为");

write.write(sum+"");

write.write("元");

write.write("<br><a href='http://localhost:8080/tttt/test24'> 返回</a>");

}

}

# 运行效果图





