实验内容：

1、上周没有完成作业的同学请继续完成，完成了作业的同学请为购物车增加功能：

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。

Buy\_book.jsp:

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

pageEncoding=*"UTF-8"*%>

<%@ page import=*"test\_4.Book"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>购买图书</title>

</head>

<body>

<%

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

**int** num=0;

Book list[ ]=**new** Book[3];

list[0]=**new** Book("1",50,"img1.jpg",0);

list[1]=**new** Book("2",75,"img2.jpg",0);

list[2]=**new** Book("3",60,"img3.jpg",0);

session.setAttribute("list", list);

session.setAttribute("sum",num);

}

%>

<a href=*"jiesuan.jsp"*>购物车：已采购<%=session.getAttribute("sum") %>本书籍</a>

<br>

<br>

<%

Book List[]=(Book [])session.getAttribute("list");

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

out.println("<tr>");

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

out.println("<td> <a href='book\_msg.jsp?id="+book.getbook\_id()+"'>查看商品具体信息</a></td>");

out.println("<td> <a href='buy\_book.view?id="+book.getbook\_id()+"'>+</a></td>");

**while**(book.getBuy\_num()!=0){

out.println("<td>已购买"+book.getBuy\_num()+"本");

out.println("<td> <a href='decrease\_book.view?id="+book.getbook\_id()+"'>-</a></td>");

**break**;

}

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

out.println("<br>");

}

%>

<br>

</body>

</html>

Jiesuan.jsp：

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

pageEncoding=*"UTF-8"*%>

<%@ page import=*"test\_4.Book"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>购物车</title>

</head>

<body>

<p>采购书籍如下：</p>

<%

**int** sum\_price=0;

Book List[]=(Book [])session.getAttribute("list");

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

**if**(book.getBuy\_num()!=0){

out.println("<tr>");

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

out.println("<td> "+book.getBuy\_num()+"</td>");

sum\_price+=(**int**)book.getPrice()\*book.getBuy\_num();

out.println("<td> <a href='remove\_book.view?id="+book.getbook\_id()+"'>删除该商品</a></td>");

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

}

}

session.setAttribute("sum\_price", sum\_price);

%>

<br>

总价：<%=session.getAttribute("sum\_price") %>

<br>

<a href=*'Buy\_book.jsp'*>返回购买界面</a>

</body>

</html>

Book\_msg.jsp:

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

pageEncoding=*"UTF-8"*%>

<%@ page import=*"test\_4.Book"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>商品信息</title>

</head>

<body>

<%

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

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

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

**if**(book.getbook\_id().equals(id)) {

out.println("商品：");

out.println("<img src='"+book.getPic\_source()+ "'>");

out.println("编号："+book.getbook\_id());

out.println("价格："+book.getPrice());

out.println("<a href='Buy\_book.jsp'>返回购买界面</a>");

}

}

%>

</body>

</html>

Servlet类似，故仅给出remove\_book.java:

package test\_4;

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("/Test\_4/remove\_book.view")

public class remove\_book extends HttpServlet {

private static final long serialVersionUID = 1L;

public remove\_book() {

super();

}

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

HttpSession session=request.getSession();

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

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

Book List[]=(Book [])session.getAttribute("list");

for(Book book:List){

if(book.getbook\_id().equals(id)) {

book.setBuy\_num(0);

sum-=book.getBuy\_num();

}

}

session.setAttribute("list", List);

session.setAttribute("sum", sum);

response.sendRedirect("jiesuan.jsp");

}

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

process(request,response);

}

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

process(request,response);

}

}

运行截图：



