**Java Web开发**

**实验六**

**作业报告**

|  |  |
| --- | --- |
| 学 院 | 计算机 |
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# 实验题目

1. 实验目标：

1、 学习更好的设计Java类。从而灵活使用session对象；

2、 完善购物车的功能；

3、 优化购物车的结构。

# 二、关键源码（部分）

Login.jsp

<%@ **page** language="java" import="java.util.\*" 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**>登陆界面</**title**>

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

<**link** rel=*"stylesheet"* href=*"http://cdn.bootcss.com/bootstrap/3.3.0/css/bootstrap.min.css"*>

<**style** type=*"text/css"*>

body

{

background-size:*cover*;

font-size:*16px*;

}

.form

{

background: *rgba(255,255,255,0.4)*;

padding:*20px*;

padding-left:*40px*;

padding-right:*40px*;

}

</**style**>

</**head**>

<**body** background=*"img/c1.jpg"* >

<**div** class=*"container"* style="margin-top: *200px*;">

<**form** role=*"form"* action=*"shopLogin.view"*

class=*"col-sm-offset-4 col-sm-4 form form-horizontal"* method=*"post"* >

<**h3** class=*"text-center"*>用户登陆</**h3**>

<**div** class=*"form-group "* >

<**label** class=*"col-sm-2 control-label"* ><**span** class=*"glyphicon glyphicon-user"*></**span**>User</**label**>

<**div** class=*"col-sm-10"* >

<**input** type=*"text"* class=*"from-control"* name=*"username"* placeholder=*"请输用户名"*>

</**div**>

<**div** class=*"form-group"*>

<**label** class=*"col-sm-2 control-label"*></**label**>

<**div** class=*"col-sm-10"*>

<%

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

String username=(String)session.getAttribute("customerName");

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

{

%>

<**p**>登陆成功的ID号<%=ID %>

<**p**>session

<**a** href=*"Shopping.jsp"*><**font** color=*"red"*> 欢迎选购商品！</**font**></**a**>

<%

}

%>

</**div**>

</**div**>

<**div** class=*"form-group"*>

<**button** type=*"submit"* class=*"btn btn-primary center-block"*>登陆</**button**>

</**div**>

</**form**>

</**div**>

</**body**>

</**html**>

Book.java

**package** haha;

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

{

**String** bookID;

**String** bookName;

**String** bookImg;

**int** shopNum;

**String** Message;

**double** price;

**public** **Book**(**String** id,**String** name,**String** img,**int** num,**String** mes,**double** pr)

{

**this**.bookID=id;

**this**.bookName=name;

**this**.bookImg=img;

**this**.shopNum=num;

**this**.Message=mes;

**this**.price=pr;

}

**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** **int** **getshopNum**()

{

**return** shopNum;

}

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

{

**this**.shopNum=shopNum;

}

**public** **String** **getMessage**()

{

**return** Message;

}

**public** **void** **setprice**(**String** Message)

{

**this**.Message=Message;

}

**public** **double** **getprice**()

{

**return** price;

}

**public** **void** **setprice**(**double** price)

{

**this**.price=price;

ShopLogin.java

package haha;

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.view")

public class ShopLogin extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

request.setCharacterEncoding("UTF-8");

HttpSession session=request.getSession();

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

if(username==null)

{

response.sendRedirect("Login.jsp");

}

else

{

session.setAttribute("customerName", "username");

response.sendRedirect("Shopping.jsp");

}

}

}

ShoppingServlet.java

package haha;

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("/shopping.view")

public class ShoppingServlet extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

request.setCharacterEncoding("UTF-8");

String iD="";

String ID="";

String Sd="";

String dd="";

int num=0;

double sum=0;

HttpSession session=request.getSession();

String prods[]=request.getParameterValues("id");

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

iD=request.getParameter("id1");

ID=request.getParameter("id2");

dd=request.getParameter("id3");

PrintWriter out=response.getWriter();

if(dd!=null&&(dd.length()>0))

{

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

{

if(dd.equals(chart[i].getbookID())&&chart[i].getshopNum()>0)

{

chart[i].setshopNum(chart[i].getshopNum()-1);

}

}

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

{

num=num+chart[i].getshopNum();

}

session.setAttribute("sum", num);

session.setAttribute("bookList", chart);

response.sendRedirect("car.view");

}

else if(iD!=null&&(iD.length()>0))

{

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

{

if(iD.equals(chart[i].getbookID()))

{

chart[i].setshopNum(chart[i].getshopNum()+1);

}

}

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

{

num=num+chart[i].getshopNum();

}

session.setAttribute("sum", num);

session.setAttribute("bookList", chart);

response.sendRedirect("car.view");

}

else if(ID!=null&&(ID.length()>0))

{

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

{

if(ID.equals(chart[i].getbookID()))

{

chart[i].setshopNum(0);

}

}

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

{

num=num+chart[i].getshopNum();

}

session.setAttribute("sum", num);

session.setAttribute("bookList", chart);

response.sendRedirect("car.view");

}

else if(prods!=null)

{

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

{

iD=prods[k];

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

{

if(iD.equals(chart[i].getbookID()))

{

chart[i].setshopNum(chart[i].getshopNum()+1);

break;

}

}

}

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

{

num=num+chart[i].getshopNum();

}

session.setAttribute("sum", num);

session.setAttribute("bookList", chart);

response.sendRedirect("Shopping.jsp");

}

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

{

sum=sum+(double) (chart[i].getshopNum()\*chart[i].getprice());

}

session.setAttribute("Price", sum);

}

}

Cart.jsp

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

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

<%

String path = request.getContextPath();

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

%>

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

<**html**>

<**body** >

<**a** href=*"car.view"*>返回</**a**>

<%

String id=request.getParameter("id0");

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

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

{

**if**(id.equals(List[i].getbookID()))

{

%>

<**h1** class=*"text-center"*><% List[i].getbookName(); %>简介 </**h1**>

<**p**><%=List[i].getMessage()%></**p**>

<**p**>价格：<%=List[i].getprice()%>元</**p**>

<%

}

}

%>

</**body**>

</**html**>

Shopping.jsp

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

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

<%

String path = request.getContextPath();

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

%>

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

<**html**>

<%

**if**(session.getAttribute("bookList")==**null**&&session.getAttribute("Message")==**null**)

{

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

BookList[0]=**new** Book("10101","海贼王","img\\10101.jpg",0,"《航海王》是日本漫画家尾田荣一郎作画的少年漫画作品，截至2015年6月15日，《航海王》以日本本土累计发行了3亿2086万6000本，被吉尼斯世界纪录官方认证为“世界上发行量最高的单一作者创作的系列漫画。</p>",10.00);

BookList[1]=**new** Book("10102","哆啦A梦","img\\10102.jpg",0,"漫画叙述了一只来自22世纪的猫型机器人——哆啦A梦，受主人野比世修的托付，回到20世纪，借助从四维口袋里拿出来的各种未来道具，来帮助世修的高祖父——小学生野比大雄化解身边的种种困难问题，以及生活中和身边的小伙伴们发生的轻松幽默搞笑感人的故事</p>",20.00);

BookList[2]=**new** Book("10103","数据库","img\\10103.jpg",0,"《数据库系统概论（第5版）“十二五”普通高等教育本科国家级规划教材》第1版于1983年出版，至今已修订至第5版。第5版被列入“十二五”普通高等教育本科国家级规划教材。相应课程于2004年被评为北京市精品课程，2005年被评为国家精品课程，2014年被批准为国家级精品资源共享课。</p>",45.00);

BookList[3]=**new** Book("10104","java web","img\\10104.jpg",0,"<p>主要讲解包括Java Web开发中常用的各种框架和新兴技术，包括Struts 2.0、Spring、Hibernate和Ajax等，这些技术在实际的项目开发中应用广泛</P>",38.00);

session.setAttribute("Price", 0);

session.setAttribute("bookList", BookList);

session.setAttribute("sum", 0);

}

%>

<**body**>

<**img** src=*"img/cart.jpg"* height=*"60px"* width=*"60px"*>

<**a** href=*"car.view"*>已采购<%=session.getAttribute("sum") %>本书，点击查看购物车</**a**>

<**br**>

<**table** border=*"1"*>

<%

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

**for**(Book book:bookList)

{

out.println("<tr>");

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

out.println("<td>"+book.getprice()+"元</td>");

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

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

}

%>

</**table**>

</**body**>

</**html**>

# 三、运行效果图



