一、实验目的

1) 理解并掌握编码与测试相关理论与方法；

2) 进一步熟悉利用编程语言实现系统；

3) 要求学生理解测试在软件开发中的重要地位；

4) 学生了解测试用例与测试报告的相关书写规范。

二、实验内容与要求

1) 根据系统的特点，选取 javaWeb MVC 开发模型实现该系统；

2) 系统的编码结构：

边界类：1 个 html（项目首页），13 个 jsp（中间跳转的页面），一个 css（界面美化功能），一个 javascript（控制输入合法性）。

控制类：一个 servlet 类（连接边界类和实体类）

实体类：一个 datebase 类（连接数据库），一个 bookinfo 类（书本的增删检查操作）

服务器采用 tomcat。

如下图展示：

css	2015/1/1 20:27	
js	2015/1/1 20:27	
WEB-INF	2015/1/1 20:23	
add_book.jsp	2015/1/1 21:21	2 KB
buy.jsp	2015/1/1 21:21	2 KB
edit.jsp	2015/1/1 21:21	2 KB
failure_m.jsp	2014/12/29 12:59	1 KB
failure_r.jsp	2014/12/29 12:59	1 KB
index.html	2015/1/1 20:34	2 KB
manager.jsp	2015/1/2 14:29	2 KB
print_order.jsp	2015/1/1 20:35	1 KB
reader.jsp	2015/1/2 14:19	2 KB
sear_result_m....	2015/1/2 16:30	2 KB
sear_result_r.jsp	2015/1/1 20:32	2 KB
search_r.jsp	2015/1/2 14:22	1 KB
success_buy.jsp	2015/1/2 15:55	2 KB
success_m.jsp	2015/1/1 20:32	1 KB

3) 对系统进行测试分析，并对系统功能实施测试，编写测试用例，系统已经实现可以让手机电脑一起访问并做操作；

4) 撰写实验报告，同时需要了解测试报告相应的规范与写法。

1. 下面是一些界面的展示（没有全部展示）：

登录页面

图书商店用户登录

顾客 管理员登录

用户名 _____ *(顾客不用输入)

密码 _____ *(顾客不用输入)

记住我 ☐ 登录

您忘记密码？

顾客首页

现有图书信息

编号	书名	作者	出版社	出版日期	价格	库存	购买
2012011120	c++佛义	吴枫	北京大学出版社	1994-12-4	34	8	○
2012011190	过程监理	刘建斌	中国科技大学出版社	2014-2-6	32	18	○
2012011203	c#课义	龙丽	北京大学出版社	2011-1-26	40	10	○
2012011207	java基础	李刚	清华大学出版社	2011-1-18	85	9	○
2012011208	软件工程	戴德明	北京大学出版社	2012-3-12	34	5	○
2012011210	JavaWeb	张三	清华大学出版社	2014-1-18	35	10	○
2012011212	身镜辉	李宝京	清华大学出版社	2011-1-26	30	16	○
2012011214	java_安卓	李刚	中国科技大学出版社	2000-12-18	55	9	○
2012012098	大学英语	张娜	清华大学出版社	2000-3-19	30	12	○

[提交]

购买页面

订单信息

编号	2012011190
书名	过程监理
作者	刘建斌
出版社	中国科技大学出版社
出版日期	2014-2-6
价格	32
库存	18
购买数量	

[提交] [重置]

订单页面

订单信息已审核完毕

编号	2012011190
书名	过程监测
作者	刘建坤
出版社	中国科技大学出版社
出版日期	2014-2-6
价格	32
库存	18
购买数量	2

印刷 取消

正在打印订单，请稍候...

返回主页

查询页面

图书信息查询

编号查询： _____ *(若输入则需完整)

书名查询： java *(输入关键字即可)

作者查询： _____ *(输入关键字即可)

提交

查询结果

查询结果

编号	书名	作者	出版社	出版日期	价格	库存	购买
2012011207	java基础	李阳	清华大学出版社	2011-1-16	65	9	○
2012011210	javaWeb	徐三	清华大学出版社	2014-1-16	35	10	○
2012011214	java_安卓	李阳	中国科技大学出版社	2000-12-16	55	8	○

提交

管理员页面

添加图书

点击首页

编号	书名	作者	出版社	出版日期	价格	库存	管理
2012011120	c++语文	贾毅	北京大学出版社	1994-12-4	34	9	修改 删除
2012011190	出租项目	刘建诚	中国科技大学出版社	2014-2-6	32	16	修改 删除
2012011203	s年英文	苏利	北京大学出版社	2011-1-26	40	10	修改 删除
2012011207	java基础	李强	清华大学出版社	2011-1-16	65	9	修改 删除
2012011208	软件工程	戴德明	北京大学出版社	2012-3-12	34	5	修改 删除
2012011210	java程序设计	张三	清华大学出版社	2014-1-16	35	10	修改 删除
2012011212	数据库	李宝友	清华大学出版社	2011-1-26	30	16	修改 删除
2012011314	java_女卓	李刚	中国科技大学出版社	2000-11-16	55	8	修改 删除
2012012096	大学英语	张丽	清华大学出版社	2000-2-19	30	12	修改 删除

返回主页

添加图书页面

图书信息

编号		*(不能为空)
书名		*(不能为空)
作者		*(不能为空)
出版社		*(不能为空)
出版日期		*(不能为空)
价格		*(只能数字)
库存		*(只能数字)

添加 重置

添加图书信息不完整页面

图书信息

编号	ssssss	*(不能为空)
书名		*(不能为空)
作者	dddddddd	*(不能为空)
出版社		*(不能为空)
出版日期		*(不能为空)
价格		*(只能数字)
库存		*(只能数字)

localhost:8080 上的网页显示: ×

no name!

确定

三、完整开发代码(按照上面截图部署即可实现)

Table.css:

```css
body{
background: #ffffff;
margin: 15;
}
body,table,th,td,input,select,textarea{
font-family: Tahoma,Verdana,Arial,Helvetica,sans-serif;
font-size: 12px;
}
table.default{
border: 1px solid #3366CC;
border-collapse: collapse;
width: 80%;
}
table.default td{
padding: 2 5 2 5;
height: 26px;
text-align: center;
border: 1px solid #ffffff;
background-color: #f0f0f0;
}
table.default tr.title td{
font-weight: bold;
text-align: center;
background: #99CCFF;
color: red;
border: 1px solid #ffffff;
white-space: nowrap;
height: 26px;
}
table.default th.item{
font-weight: bold;
color: #333333;
text-align: center;
vertical-align: top;
padding: 10px;
font-size: 14px;
}
```

xyh.css:

```css
body {font-family: Arial, Helvetica, sans-serif;
font-size:12px;color:#666666;background:#fff;
text-align:center;}
* {margin:0;padding:0;}
a {color:#1E7ACE;text-decoration:none; }
a:hover {color:#000;text-decoration:underline;}
h3 {font-size:14px;font-weight:bold;}
pre,p {color:#1E7ACE;margin:4px;}
input, select,textarea {padding:1px;
margin:2px;font-size:11px;}
.buttom{padding:1px 10px;font-size:12px;
border:1px #1E7ACE solid;background:#D0F0FF;}
#formwrapper {width:450px;margin:15px auto;
padding:20px;text-align:left;border:1px solid #A4CDF2;}
fieldset {padding:10px;margin-top:5px;
border:1px solid #A4CDF2;background:#fff;}
fieldset legend {color:#1E7ACE;font-weight:bold;
padding:3px 20px 3px 20px;border:1px solid #A4CDF2;
background:#fff;}
fieldset label {float:left;width:120px;
text-align:right;padding:4px;margin:1px;}
fieldset div {clear:left;margin-bottom:2px;}
.input { width:120px;}
.enter{ text-align:center;}
.clear {clear:both;}
```

Common.js:

```javascript
function isNum(num){
for(i=0;i<num.length;i++)
    {
        c=num.charAt(i);
if(c>'9'||c<'0'){
return false;
        }
    }
return true;
}

function check(){
```

```
if(form1.id.value=="")
      {alert ("no id!");
form1.id.focus();
return false;}
if(form1.name.value=="")
      {alert("no name!");
form1.name.focus();
return false;}
if(form1.author.value=="")
      {
alert("no author!");
form1.author.focus();
return false;

      }
if(form1.press.value=="")
      {
alert("no press!");
form1.press.focus();
return false;
      }
if(form1.date.value==""){
alert("no date!")
form1.date.focus();
return false;
      }
if(!isNum(form1.price)){
alert("price is wrong!")
form1.price.focus();
return false;
      }
if(!isNum(form1.account)){
alert("account is wring!")
form1.account.focus();
return false;
      }
```

Bookinfo.java:

```java
package bean;
import java.lang.String;
import java.lang.System;
import java.sql.ResultSet;
```

```java
import java.sql.SQLException;
import java.util.ArrayList;

public class bookinfo{
private String id;
private String name;
private String author;
private String press;
private String date;
private int price;
private int account;

public void setName(String name) {
        this.name = name;
    }
public String getName() {
return name;
    }

public void setAuthor(String author) {
        this.author = author;
    }

public String getAuthor() {
return author;
    }

public void setDate(String date) {
        this.date = date;
    }

public String getDate() {
return date;
    }

public void setPress(String press) {
        this.press = press;
    }

public String getPress() {
return press;
    }

public void setId(String id) {
```

```java
            this.id = id;
        }

public String getId() {
return id;
        }

public void setAccount(int acount) {
            this.account = acount;
        }

public int getAccount() {
return account;
        }

public void setPrice(int price) {
            this.price = price;
        }

public int getPrice() {
return price;
        }

public static ArrayList<bookinfo> getbooklist(){
            ArrayList<bookinfo> list=new ArrayList<bookinfo>();
            String sql="select * from book.bookshop";
dbbean jdbc=new dbbean();
            ResultSet rs=jdbc.executeQuery(sql);
try{
while(rs.next()){
bookinfo bi=new bookinfo();
bi.setId(rs.getString("id"));
bi.setName(rs.getString("name"));
bi.setAuthor(rs.getString("author"));
bi.setPress(rs.getString("press"));
bi.setDate(rs.getString("date"));
bi.setPrice(rs.getInt("price"));
bi.setAccount(rs.getInt("account"));
list.add(bi);
                }
rs.close();
            }
catch(SQLException e){
e.printStackTrace();
```

```java
            }
jdbc.close();
return list;
      }
      //通过编号书名作者来搜索
public static ArrayList<bookinfo> getbookbyway(String id,String name,String author){
            ArrayList<bookinfo> list=new ArrayList<bookinfo>();
            String sql=null;
int way=0;
if (!id.equals("")){way=way+1;}
if (!name.equals("")){way=way+10;}
if (!author.equals("")){way=way+100;}

if (way==1||way==11||way==101){
                 sql="select * from book.bookshop where id='"+id+"'";
            }
if (way==10){
sql="select * from book.bookshop where name like '%"+name+"%'";
            }
if (way==100){
sql="select * from bookshop where author like '%"+author+"%'";
            }
if (way==110){
sql="select * from bookshop where name like '%"+name+"%' and author like '%"+author+"%'";
            }

dbbean jdbc=new dbbean();
            ResultSet rs=jdbc.executeQuery(sql);
try{
while(rs.next()){
bookinfo bi=new bookinfo();
bi.setDate(rs.getString("date"));
bi.setPress(rs.getString("press"));
bi.setAuthor(rs.getString("author"));
bi.setName(rs.getString("name"));
bi.setId(rs.getString("id"));
bi.setPrice(rs.getInt("price"));
bi.setAccount(rs.getInt("account"));
list.add(bi);
               }
rs.close();
          }
catch(SQLException e){
System.out.println("no find");
```

```java
            }
jdbc.close();
return list;
        }


public static bookinfo getbookbyid(String id){
            String sql="select * from book.bookshop where id='"+id+"'";
dbbean jdbc=new dbbean();
            ResultSet rs=jdbc.executeQuery(sql);
bookinfo bi = new bookinfo();
try{
if(rs.next()){
bi.setDate(rs.getString("date"));
bi.setPress(rs.getString("press"));
bi.setAuthor(rs.getString("author"));
bi.setName(rs.getString("name"));
bi.setId(rs.getString("id"));
bi.setPrice(rs.getInt("price"));
bi.setAccount(rs.getInt("account"));
                }
rs.close();
            }
catch(SQLException e){
System.out.println("no find");
            }
jdbc.close();
return bi;
        }


public static int updatebook(String id,String name,String author,String press,String date,int
price,int account){
int result=0;
            String                sql="update                book.bookshop                set
name='"+name+"',author='"+author+"',press='"+press+"',date='"+date+"',price="+price+",accoun
t="+account+" where id='"+id+"'";
dbbean jdbc=new dbbean();
result=jdbc.executeUpdate(sql);
return result;
        }


public static int deletebook(String id){
int result=0;
            String sql="delete from book.bookshop where id='"+id+"'";
```

```java
dbbean jdbc=new dbbean();
result=jdbc.executeUpdate(sql);
return result;
    }


public static int addbook(String id,String name,String author,String press,String date,int price,int
account){
int result=0;
        String  sql="insert   into   book.bookshop(id,name,author,press,date,price,account)
values('"+id+"','"+name+"','"+author+"','"+press+"','"+date+"',"+price+","+account+")";
dbbean jdbc=new dbbean();
result=jdbc.executeUpdate(sql);
return result;
    }


}



}
```

Dbbean.java:

```java
package bean;
import java.lang.*;
import java.sql.*;
public class dbbean{
private String driverStr="com.mysql.jdbc.Driver";
private String connStr="jdbc:mysql://localhost:3306/book?characterEncoding=utf-8";
private String name="root";
private String password="xyh201268";
private Connection conn=null;
private Statement stmt=null;
public dbbean(){
try{
Class.forName(driverStr);
conn=DriverManager.getConnection(connStr,name,password);
stmt=conn.createStatement();
        }
catch(Exception ex){
System.out.println("connect to database is worry!");
        }
    }
```

```java
public int executeUpdate(String s){
int result=0;
try{
result=stmt.executeUpdate(s);
            }
catch(Exception ex){
System.out.println("update wrong!");
            }
return result;
        }
public ResultSet executeQuery(String s){
            ResultSet rs=null;
try{
rs=stmt.executeQuery(s);
            }
catch(Exception ex){
System.out.println("search wrong!");
            }
return rs;
        }
public void close(){
try{stmt.close();conn.close();
            }
catch(Exception ex){
System.out.println("can not close the database!");
            }
        }
}
```

Servlet.java:

```java
package servlets;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.util.ArrayList;
import java.lang.*;
/**
 * Created by Administrator on 14-5-31.
 */
```

```java
public class Servlet extends HttpServlet {
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
doPost(request, response);
    }
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
request.setCharacterEncoding("utf-8");
        String action=request.getServletPath();
if(action.equals("/servlets/depend.do")){
            String value=request.getParameter("password");
if(value.equals("123")){
                ArrayList<bean.bookinfo> list= bean.bookinfo.getbooklist();
request.setAttribute("list", list);
request.getRequestDispatcher("/manager.jsp").forward(request,response);
            }
else
        {   ArrayList<bean.bookinfo> list= bean.bookinfo.getbooklist();
request.setAttribute("list", list);
request.getRequestDispatcher("/reader.jsp").forward(request,response);
            }
        }
else if (action.equals("/servlets/list_m.do")){
            ArrayList<bean.bookinfo> list= bean.bookinfo.getbooklist();
request.setAttribute("list", list);
request.getRequestDispatcher("/manager.jsp").forward(request,response);
        }
else if (action.equals("/servlets/list_r.do")){
            ArrayList<bean.bookinfo> list= bean.bookinfo.getbooklist();
request.setAttribute("list", list);
request.getRequestDispatcher("/reader.jsp").forward(request,response);
        }
else if(action.equals("/servlets/edit.do")){
            String id =request.getParameter("id");
bean.bookinfo bi= bean.bookinfo.getbookbyid(id);
request.setAttribute("bi",bi);
request.getRequestDispatcher("/edit.jsp").forward(request,response);
        }
else if(action.equals("/servlets/update.do")){
            String id=request.getParameter("id");
            String name=request.getParameter("name");
            String author=request.getParameter("author");
            String press=request.getParameter("press");
            String date=request.getParameter("date");
```

```java
                    String s_price=request.getParameter("price");
                    String s_account=request.getParameter("account");
int price=Integer.parseInt(s_price);
int account=Integer.parseInt(s_account);
int r= bean.bookinfo.updatebook(id,name,author,press,date,price,account);
if (r==1){
request.getRequestDispatcher("/success_m.jsp").forward(request,response);
                    }
else{request.getRequestDispatcher("/failure_m.jsp").forward(request,response);
                    }
            }
else if (action.equals("/servlets/delete.do")){
                    String id=request.getParameter("id");
int r= bean.bookinfo.deletebook(id);
if (r==1){
request.getRequestDispatcher("/success_m.jsp").forward(request,response);
                    }
else{request.getRequestDispatcher("/failure_m.jsp").forward(request,response);
                    }
            }
else if (action.equals("/servlets/add.do")){
                    String id=request.getParameter("id");
                    String name=request.getParameter("name");
                    String author=request.getParameter("author");
                    String press=request.getParameter("press");
                    String date=request.getParameter("date");
                    String s_price=request.getParameter("price");
                    String s_account=request.getParameter("account");
int price=Integer.parseInt(s_price);
int account=Integer.parseInt(s_account);

int r= bean.bookinfo.addbook(id, name, author, press, date,price,account);
if (r==1){
request.getRequestDispatcher("/success_m.jsp").forward(request,response);
                    }
else{
request.getRequestDispatcher("/failure_m.jsp").forward(request,response);
                    }
            }
else if (action.equals("/servlets/buy.do")){
                    String buy=request.getParameter("buy");
bean.bookinfo bi=bean.bookinfo.getbookbyid(buy);
request.setAttribute("bi",bi);
request.getRequestDispatcher("/buy.jsp").forward(request,response);
```

```java
			}
else if (action.equals("/servlets/search_r.do")){
				String id=request.getParameter("id");
				String name=request.getParameter("name");
				String author=request.getParameter("author");
				String user=request.getParameter("user");
				ArrayList<bean.bookinfo> list= bean.bookinfo.getbookbyway(id,name,author);
request.setAttribute("list", list);
if (user.equals("reader")){
request.getRequestDispatcher("/sear_result_r.jsp").forward(request,response);
				}
if (user.equals("manager"))
				{
request.getRequestDispatcher("/sear_result_m.jsp").forward(request,response);
				}
			}
else if (action.equals("/servlets/check_buy.do")){
				String id=request.getParameter("id");
				String s_num_buy=request.getParameter("num_buy");
int num_buy=Integer.parseInt(s_num_buy);
bean.bookinfo bi= bean.bookinfo.getbookbyid(id);
if(bi.getAccount()>=num_buy){
request.setAttribute("bi",bi);
request.setAttribute("s_num_buy",s_num_buy);
request.getRequestDispatcher("/success_buy.jsp").forward(request,response);
}else{
request.getRequestDispatcher("/failure_r.jsp").forward(request,response);
				}
			}
else if (action.equals("/servlets/print_order.do")){
				String id=request.getParameter("id");
				String s_num_buy=request.getParameter("s_num_buy");
bean.bookinfo bi= bean.bookinfo.getbookbyid(id);
int num_buy=Integer.parseInt(s_num_buy);

bean.bookinfo.updatebook(id,bi.getName(),bi.getAuthor(),bi.getPress(),bi.getDate(),bi.getPrice(),
(bi.getAccount()-num_buy));
request.getRequestDispatcher("/print_order.jsp").forward(request,response);
			}

	}
}
```

Add_book.jsp:

```jsp
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
<link rel="stylesheet" href="/bookshop/css/table.css" type="text/css">
<title></title>
</head>
<script language="JavaScript" src="/bookshop/js/common.js"></script>
<body>
<center>
<form name="form1" onsubmit="return check()" action="/bookshop/servlets/add.do" method="post">
<table class="default" align="center" border="1">
    <center><h2>图书信息</h2></center>
<tr><th class="item">编号</th><td><input type="text" name="id">*(不能为空) </td></tr>
<tr><th class="item">书名</th><td><input type="text" name="name">*(不能为空) </td></tr>
<tr><th class="item">作者</th><td><input type="text" name="author">*(不能为空) </td></tr>
<tr><th class="item">出版社</th><td><input type="text" name="press">*(不能为空) </td></tr>
<tr><th class="item">出版日期</th><td><input type="text" name="date">*(不能为空) </td></tr>
<tr><th class="item">价格</th><td><input type="text" name="price">*(只能数字) </td></tr>
<tr><th class="item">库存</th><td><input type="text" name="account">*(只能数字) </td></tr>
<tr><td colspan="2" align="center"><input type="submit" value="添加"><input type="reset" value="重置"></td></tr>
</table>
</form>
</center>
</body>
</html>
```

buy.jsp:

```jsp
<%@ page contentType="text/html;charset=UTF-8" language="java" import="bean.bookinfo" %>
<html>
<head>
<link rel="stylesheet" href="/bookshop/css/table.css" type="text/css">
<title></title>
</head>
<body>
```

```jsp
<% request.setCharacterEncoding("utf-8");
bookinfo bi=(bookinfo)request.getAttribute("bi");
%>
<center>
<form action="/bookshop/servlets/check_buy.do" method="post">
<input type="hidden" name="id" value=${bi.id}>
<p><h2>订单信息</h2>
<table class="default">
<tr><th class="item">编 号 </th><td><input type="text" value="<%= bi.getId()%>" name="name"></td></tr>
<tr><th class="item">书 名 </th><td><input type="text" value="<%= bi.getName()%>" name="name"></td></tr>
<tr><th class="item">作 者 </th><td><input type="text" value="<%= bi.getAuthor()%>" name="author"></td></tr>
<tr><th class="item">出 版 社 </th><td><input type="text" value="<%= bi.getPress()%>" name="press"></td></tr>
<tr><th class="item">出 版 日 期 </th><td><input type="text" value="<%= bi.getDate()%>" name="date"></td></tr>
<tr><th class="item">价 格 </th><td><input type="text" value="<%= bi.getPrice()%>" name="price"></td></tr>
<tr><th class="item">库 存 </th><td><input type="text" value="<%= bi.getAccount()%>" name="account"></td></tr>
<tr><th class="item">购买数量</th><td><input type="text" name="num_buy"></td></tr>
<tr><td colspan="2" align="center"><input type="submit" value="提交"><input type="reset" value="重置"></td></tr>
</table>
</form>
</center>
</body>
</html>
```

edit.jsp:

```jsp
<%@ page contentType="text/html;charset=UTF-8" language="java" import="bean.bookinfo" %>
<html>
<head>
<link rel="stylesheet" href="/bookshop/css/table.css" type="text/css">
<title></title>
</head>
<body>

<% request.setCharacterEncoding("utf-8");
bookinfo bi=(bookinfo)request.getAttribute("bi");
```

```
%>
<center>
<form action="/bookshop/servlets/update.do" method="post">
<input type="hidden" name="id" value=${bi.id}>
<h2><caption>修改信息</caption></h2>
<table class="default">
<tr><th    class="item"> 编 号 </th><td><input    type="text"    value="<%=    bi.getId()%>"
name="id"></td></tr>
<tr><th    class="item"> 书 名 </th><td><input    type="text"    value=<%=    bi.getName()%>
name="name"></td></tr>
<tr><th    class="item"> 作 者 </th><td><input    type="text"    value=<%=    bi.getAuthor()%>
name="author"></td></tr>
<tr><th    class="item"> 出 版 社 </th><td><input    type="text"    value="<%=    bi.getPress()%>"
name="press"></td></tr>
<tr><th    class="item"> 出 版 日 期 </th><td><input    type="text"    value="<%=    bi.getDate()%>"
name="date"></td></tr>
<tr><th    class="item"> 价 格 </th><td><input    type="text"    value="<%=    bi.getPrice()%>"
name="price"></td></tr>
<tr><th    class="item"> 库 存 </th><td><input    type="text"    value="<%=    bi.getAccount()%>"
name="account"></td></tr>
<tr><td colspan="2"  align="center"><input  type="submit"  value=" 提交"><input  type="reset"
value="重置"></td></tr>
</table>
</form>
</center>
</body>
</html>
```

failure_m.jsp:

```
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
<title></title>
</head>
<body><center>
<h2>操作失败</h2>
<a href="javascript:history.back()">点击返回</a>
</center></body>
</html>
```

failure_r.jsp:

```jsp
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
<title></title>
</head>
<body><center>
<h2>购买信息错误</h2>
<a href="javascript:history.back()">点击返回</a>
</center></body>
</html>
```

index.html:

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<link rel="stylesheet" href="/bookshop/css/xyh.css" type="text/css">
<title></title>
</head>
<body>
<div id="formwrapper">
<h3>图书商店用户登录</h3>
<form method="post" name="apLogin" id="apLogin" action="/bookshop/servlets/depend.do">
<fieldset>
<legend>顾客/管理员登录</legend>
<div>
<label for="UName">用户名</label>
<input type="text" name="UName" class="input"
id="UName" size="18" maxlength="30" />
                    *(顾客不用输入)
<br/>
</div>
<div>
<label for="PWord">密码</label>
<input type="password" name="password" class="input"
id="PWord" size="18" maxlength="30" />
                    *(顾客不用输入)
<br/>
</div>
<div class="cookiechk">
```

```html
<label for="CookieYN" style="color:#1E7ACE;cursor:pointer;">记住我</label>
<input type="checkbox" name="CookieYN" id="CookieYN" value="1" />
<a href="#" title="选择是否记录您的信息"></a>
<input name="login791" type="submit" class="buttom" value="登录" />
</div>
<div class="forgotpass">
<a href="#">您忘记密码?</a></div>
</fieldset>
</form>
</div>
<hr align="center" noshade color="#FF0000">
<p>
<center><h3>友请连接</h3>
<a href="">sina</a>
<a href="http://www.sohu.com/">sohu</a><br>
<p> Copyright @ 2014-2015NETWORK.席燚海邓匀翔袁野</p>
</center>

</body>
</html>
```

manager.jsp:

```jsp
<%@            page            contentType="text/html;charset=UTF-8"            language="java"
import="java.util.ArrayList,bean.bookinfo" %>
<html>
<head>
<link rel="stylesheet" href="/bookshop/css/table.css" type="text/css">
<title></title>
</head>
<body>
<% String user="manager"; %>
<center>
<h2><a href="/bookshop/add_book.jsp">添加图书</a></h2>
<table class="default" align="center" border="1" >
    <tr><td colspan="9" align="right"><a href="/bookshop/search_r.jsp?user=<%= user%>">点
击查询</a></td></tr>

<tr>
<th  class="item">编号</th><th  class="item">书名</th><th  class="item">作者</th><th
class="item">出版社</th><th  class="item">出版日期</th><th  class="item">价格</th><th
class="item">库存</th><th class="item" colspan="2">管理</th>
</tr>
```

```
<%
request.setCharacterEncoding("utf-8");
                ArrayList<bookinfo> list=(ArrayList<bookinfo>)request.getAttribute("list");
for(bookinfo bi:list){
                    String id=bi.getId();
        %>
<tr>
<td><%= bi.getId()%></td><td><%= bi.getName()%></td><td><%= bi.getAuthor()%></td>
<td><%= bi.getPress()%></td><td><%= bi.getDate()%></td>
<td><%= bi.getPrice()%></td><td><%= bi.getAccount()%></td>
<td><a href="/bookshop/servlets/edit.do?id=<%= id%>">修改</a></td>
<td><a href="/bookshop/servlets/delete.do?id=<%= id%>">删除</a></td>
</tr>
<%
                }
        %>
</table>
<p></p>
<a align="right" href="/bookshop/index.html">返回主页</a>
</center>
</body>
</html>
```

print_order.jsp:

```
<%--
Created by IntelliJ IDEA.
   User: Administrator
   Date: 14-12-28
   Time: 下午 8:49
   To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
<title></title>
</head>
<body>
<center>
<h2>正在打印订单，请稍候...</h2><p>
<a href="/bookshop/servlets/list_r.do">返回主页</a>
</center>
</body>
```

```
</html>
```

reader.jsp:

```jsp
<%@              page              contentType="text/html;charset=UTF-8"              language="java"
import="java.util.ArrayList,bean.bookinfo" %>
<html>
<head>
<link rel="stylesheet" href="/bookshop/css/table.css" type="text/css">
<title></title>
</head>
<body>
<% String user="reader";%>
<center>
<form action="/bookshop/servlets/buy.do" method="post">
<table class="default" align="center" border="1" >
<tr class="title"><h2>现有图书信息</h2></tr>
<p></p>
<tr><td colspan="8" align="right"><a href="/bookshop/search_r.jsp?user=<%= user%>">点击查
询</a></td></tr>
<tr>
<th  class="item"> 编 号 </th><th  class="item"> 书 名 </th><th  class="item"> 作 者 </th><th
class="item">出版社</th><th class="item">出版日期
</th><th class="item">价格</th><th class="item">库存</th><th class="item">购买</th>
</tr>
<%
request.setCharacterEncoding("utf-8");
             ArrayList<bookinfo> list=(ArrayList<bookinfo>)request.getAttribute("list");
for(bookinfo bi:list){
             String id=bi.getId();
        %>
<tr>
<td><%=                 bi.getId()%></td><td><%=                 bi.getName()%></td><td><%=
bi.getAuthor()%></td><td><%= bi.getPress()%></td><td><%= bi.getDate()%></td>
<td><%= bi.getPrice()%></td>
<td><%= bi.getAccount()%></td>
<td><input type="radio" name="buy" value="<%= bi.getId()%>"></td>
<input type="hidden" name="id" value="<%= bi.getId()%>">
</tr>
<%
             }
        %>
</table><p>
```

```html
<input type="submit" value="提交">
</form>
<a align="right" href="/bookshop/index.html">返回主页</a>
</center>
</body>
</html>
```

sear_result_m.jsp:

```jsp
<%@            page            contentType="text/html;charset=UTF-8"            language="java"
import="java.util.ArrayList,bean.bookinfo" %>
<html>
<head>
<link rel="stylesheet" href="/bookshop/css/table.css" type="text/css">
<title></title>
</head>
<body>
<center>
<caption><h2>Results Of Search</h2></caption><p>
<table class="default" align="center" border="1" >
<tr>
<th   class="item">Num</th><th   class="item">Name</th><th   class="item">Author</th><th
class="item">Press</th><th class="item">Press_Date</th>
<th         class="item">Price</th><th         class="item">Account</th><th         class="item"
colspan="2">Manage</th>
</tr>
<%
request.setCharacterEncoding("utf-8");
                ArrayList<bookinfo> list=(ArrayList<bookinfo>)request.getAttribute("list");
for(bookinfo bi:list){
                        String id=bi.getId();
            %>
<tr>
<td><%=            bi.getId()%></td><td><%=            bi.getName()%></td><td><%=
bi.getAuthor()%></td><td><%= bi.getPress()%></td><td><%= bi.getDate()%></td>
<td><%= bi.getPrice()%></td>
<td><%= bi.getAccount()%></td>
<td><a href="/bookshop/servlets/edit.do?id=<%= id%>">Edit</a></td>
<td><a href="/bookshop/servlets/delete.do?id=<%= id%>">Delete</a></td>
</tr>
<%
                }
            %>
</table>
```

```
</center>
</body>
</html>
```

sear_result_r.jsp:

```jsp
<%@            page            contentType="text/html;charset=UTF-8"            language="java"
import="java.util.ArrayList,bean.bookinfo" %>
<html>
<head>
<link rel="stylesheet" href="/bookshop/css/table.css" type="text/css">
<title></title>
</head>
<body>
<center>
<form action="/bookshop/servlets/buy.do" method="post">
<caption><h2>查询结果</h2></caption><p>
<table class="default" align="center" border="1" >
<tr>
<th  class="item"> 编 号 </th><th  class="item"> 书 名 </th><th  class="item"> 作 者 </th><th
class="item">出版社</th><th class="item">出版日期</th>
<th class="item">价格</th><th class="item">库存</th><th class="item" colspan="2">购买</th>
</tr>
<%
request.setCharacterEncoding("utf-8");
              ArrayList<bookinfo> list=(ArrayList<bookinfo>)request.getAttribute("list");
for(bookinfo bi:list){
              String id=bi.getId();
       %>
<tr>
<td><%=              bi.getId()%></td><td><%=              bi.getName()%></td><td><%=
bi.getAuthor()%></td><td><%= bi.getPress()%></td><td><%= bi.getDate()%></td>
<td><%= bi.getPrice()%></td>
<td><%= bi.getAccount()%></td>
<td><input type="radio" name="buy" value="<%= bi.getId()%>"></td>
<input type="hidden" name="id" value="<%= bi.getId()%>">
</tr>
<%
              }
       %>
</table><p>
<input type="submit" value="提交">
</form>
</center>
```

```
</body>
</html>
```

search_r.jsp:

```
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
<link rel="stylesheet" href="/bookshop/css/xyh.css" type="text/css">
<title></title>
</head>
<body>
<% request.setCharacterEncoding("utf-8");
    String user=(String)request.getParameter("user");
%>
<center>
<form action="/bookshop/servlets/search_r.do" method="post">
<p>
<caption><h2>图书信息查询</h2></caption><p>
编号查询：<input type="text" name="id">*(若输入则需完整)<p>
书名查询：<input type="text" name="name">*(输入关键字即可)<p>
作者查询：<input type="text" name="author">*(输入关键字即可)<p>
<input type="hidden" name="user" value="<%= user%>">
<input type="submit" value="提交">
</form>
</center>

</body>
</html>
```

success_buy.jsp:

```
<%@ page contentType="text/html;charset=UTF-8" language="java" import="bean.bookinfo" %>
<html>
<head>
<link rel="stylesheet" href="/bookshop/css/table.css" type="text/css">
<title></title>
</head>
<body>

<%   request.setCharacterEncoding("utf-8");
```

```jsp
bookinfo bi=(bookinfo)request.getAttribute("bi");
      String s_num_buy=(String)request.getAttribute("s_num_buy");
%>
<center>
<form action="/bookshop/servlets/print_order.do" method="post">
<h2>订单信息已审核完毕</h2><p>
<table class="default">
<tr><th class="item">编号</th><td>${bi.id}</td></tr>
<tr><th class="item">书名</th><td>${bi.name}</td></tr>
<tr><th class="item">作者</th><td>${bi.author} </td></tr>
<tr><th class="item">出版社</th><td><%= bi.getPress()%></td></tr>
<tr><th class="item">出版日期</th><td><%= bi.getDate()%></td></tr>
<tr><th class="item">价格</th><td><%= bi.getPrice()%></td></tr>
<tr><th class="item">库存</th><td><%= bi.getAccount()%></td></tr>
<tr><th class="item">购买数量</th><td>${s_num_buy}</td></tr>
<input type="hidden" name="id" value="<%= bi.getId()%>">
<input type="hidden" name="s_num_buy" value="${s_num_buy}">
<tr><td colspan="2" align="center"><input type="submit" value="打印"><input type="reset" value="取消"></td></tr>
</table>
</form>
</center>
</body>
</html>
```

success_m.jsp:

```jsp
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
<title></title>
</head>
<body><center>
<h2>操作成功</h2><br>
<a href="/bookshop/servlets/list_m.do">浏览图书信息</a>
</center>
</body>
</html>
```