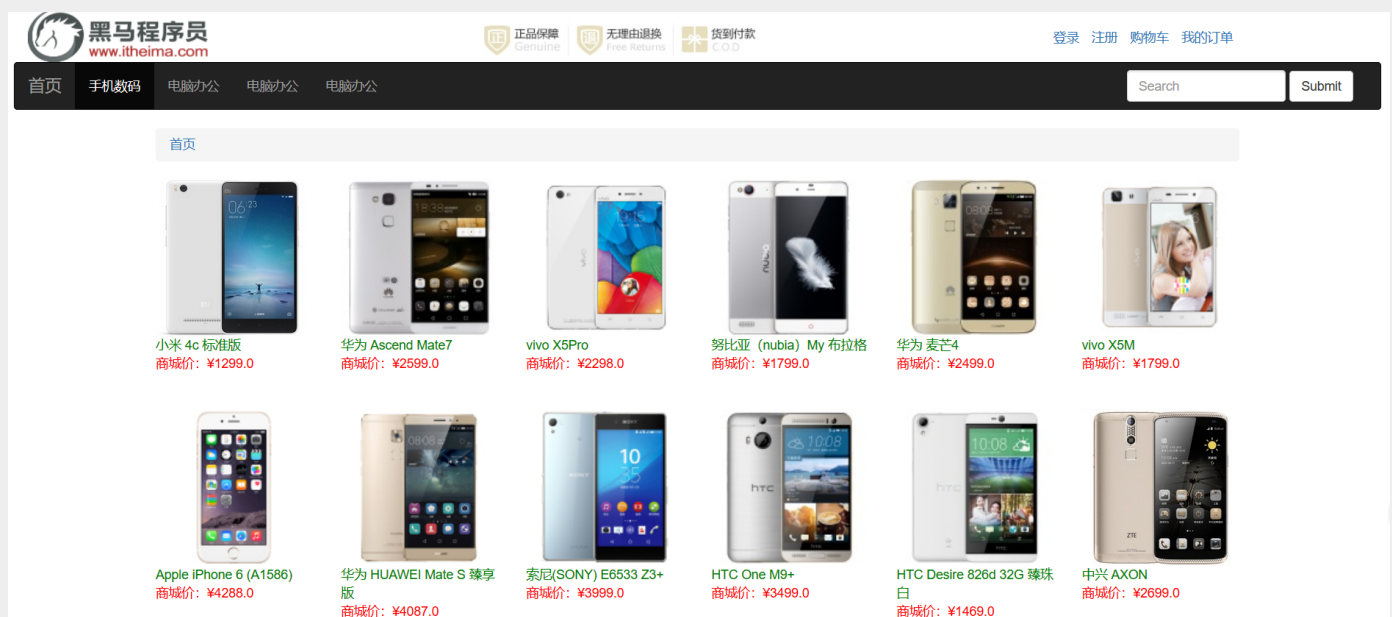
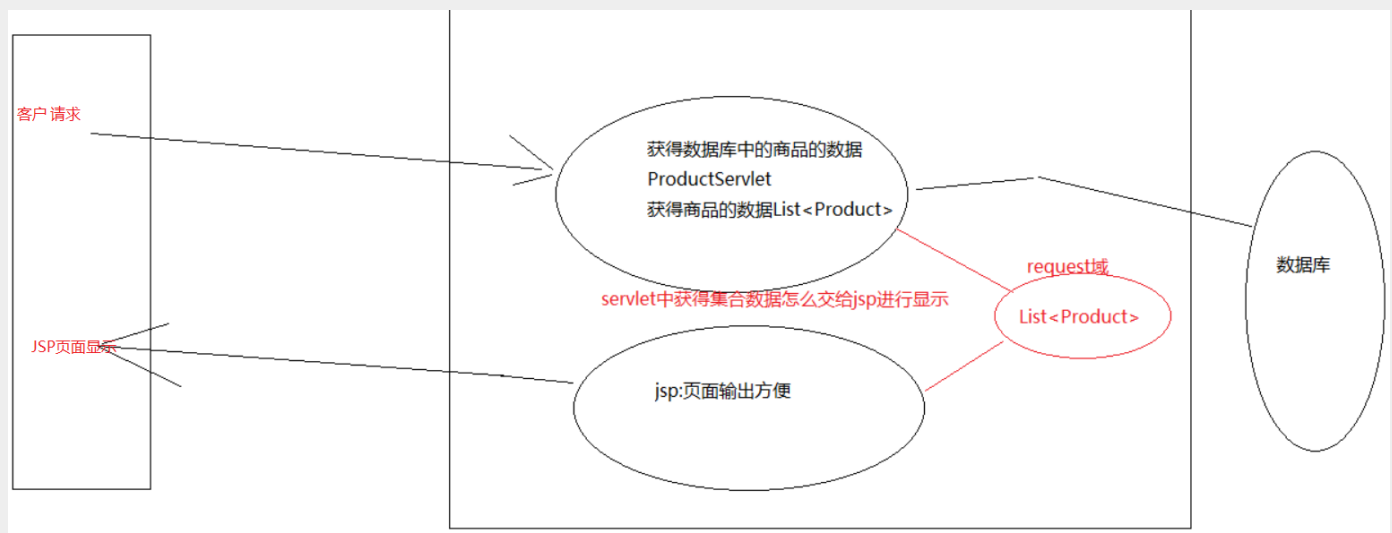


用JSP显示商品信息

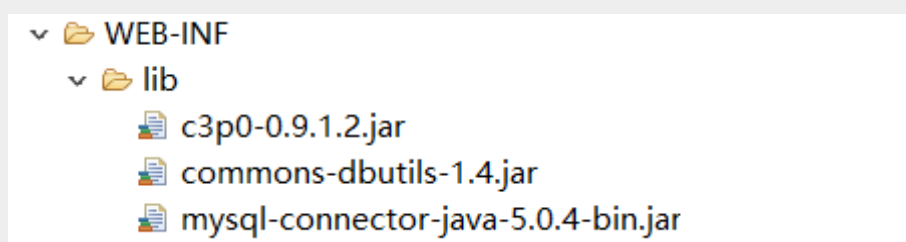


一、案例图解



二、环境搭建

1. 先导入包:操作数据库的mysql驱动包、c3p0连接池包、DBUtils包



2. 导入c3p0配置文件到src目录下

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <c3p0-config>
3   <default-config>
4     <property name="driverClass">com.mysql.jdbc.Driver</property>
5     <property name="jdbcUrl">jdbc:mysql://localhost:3306/web17</property>
6     <property name="user">root</property>
7     <property name="password">201805</property>
8     <property name="initialPoolSize">5</property>
9     <property name="maxPoolSize">20</property>
10  </default-config>
11 </c3p0-config>

```

3. 建包servlet包(service包、dao包,没用三层架构, 故缺之)、domain包、dbutils包,servlet包一包三用; domain包封装实体类; dbutils包封装数据库操作(此包每时每刻都要用基本)。

```

v src
> cn.itcast.domain
> cn.itcast.servlet
> cn.itcast.utils
c3p0-config.xml

```

三、代码详解

3.1 servlet包

```

18 public class ProductListServlet extends HttpServlet {
19
20   protected void doGet(HttpServletRequest request, HttpServletResponse response)
21     throws ServletException, IOException {
22
23     //准备所有商品的数据 ---- List<Product>
24     QueryRunner runner = new QueryRunner(DataSourceUtils.getDataSource());
25     String sql = "select * from product";
26     List<Product> productList = null;
27     try {
28       productList = runner.query(sql, new BeanListHandler<Product>(Product.class));
29     } catch (SQLException e) {
30       e.printStackTrace();
31     }
32
33     //商品的集合准备好
34     //将数据存到request域 转发给product_list.js进行显示
35     request.setAttribute("productList", productList);
36     request.getRequestDispatcher("/product_list.jsp").forward(request, response);
37
38   }
39
40   protected void doPost(HttpServletRequest request, HttpServletResponse response)
41     throws ServletException, IOException {
42
43     doGet(request, response);
44   }
45 }
46
47 }

```

3.2jsp页面显示代码改写

找到每个商品显示的div代码，用jsp代码替代，以显示动态资源

```
3 <%@ page import="java.util.*" %>
4 <%@ page import="cn.itcast.domain.*" %>
```

```
45 <%
46
47 // 需要强制转换，因为是个object类型
48 // 获得集合List<Product>
49 List<Product> productList = (List<Product>)request.getAttribute("productList"); request域中取得数
50 if(productList!=null){ 据
51     for(Product product : productList){ 遍历
52         out.write("<div class='col-md-2' style='height:250px'>");
53         out.write("<a href='product_info.htm'>");
54         out.write("<img src='"+product.getPimage()+"' width='170' height='170' style='display: inline-block;'>");
55         out.write("</a>");
56         out.write("<p><a href='product_info.html' style='color: green;'>"+product.getPname()+"</a></p>");
57         out.write("<p><font color='#FF0000'>商城价: &yen;"+product.getShop_price()+"</font></p>");
58         out.write("</div>");
59     }
60 }
61
62 %>
```

注意写路径的时候最好在前面加上`${pageContext.request.contextPath}`

四、注意

运行时是访问web层的servlet以间接访问显示商品的那个jsp页面