# 第十二单元 页面设计(登录/主页/品牌页)

# 【授课重点】

1. 登录页面设计
2. 登录/注销功能
3. 后台主页设计
4. 品牌管理

# 【考核要求】

1. 掌握bootstrap全局css样式及常用组件
2. 能够使用bootstrap进行页面布局
3. 能够独立完成登录/注销功能
4. 能够独立完成品牌管理功能

# 【教学内容】

## 12.1 登录页面设计

访问bootstrap中文网https://www.bootcss.com/，选择【Bootstap3中文文档】，选择【起步】，在右边菜单中选中【实例精选】找到【登录页】https://v3.bootcss.com/examples/signin/。

右键选择【查看网页源代码】，直接使用并修改该登录页，并引入需要的signin.css/bootstrap.css/jquery.js。

### 12.1.1 login.html

<!DOCTYPE html>  
<html lang="zh-CN">  
 <head>  
 <meta charset="utf-8">  
 <meta http-equiv="X-UA-Compatible" content="IE=edge">  
 <meta name="viewport" content="width=device-width, initial-scale=1">  
 <!-- 上述3个meta标签\*必须\*放在最前面，任何其他内容都\*必须\*跟随其后！ -->  
 <meta name="description" content="">  
 <meta name="author" content="">  
  
 <title>HgShop登录页</title>  
  
 <!-- Bootstrap core CSS -->  
 <link href="resource/css/bootstrap.css" rel="stylesheet">  
  
 <!-- Custom styles for this template -->  
 <link href="resource/css/signin.css" rel="stylesheet">  
   
 <script type="text/javascript" src="resource/jquery/jquery-3.4.1.js"></script>  
   
 <script>  
 function login(){  
 //ajax  
 $.post('index.html',$('#loginForm').serialize(),function(result){  
   
 },'json');  
 }  
   
 </script>  
   
 </head>  
  
 <body>  
  
 <div class="container">  
  
 <form class="form-signin" action="javascript:void(0)" method="post" id="loginForm">  
 <h2 class="form-signin-heading" style="text-align: center;">HgShop</h2>  
 <div class="form-group">  
 <label for="username">用户名</label>  
 <input type="text" id="username" name="username" class="form-control" placeholder="请输入用户名" required autofocus>  
 </div>  
 <div class="form-group">  
 <label for="password">密码</label>  
 <input type="password" id="password" name="password" class="form-control" placeholder="请输入密码" required>  
 </div>  
 <div class="checkbox">  
 <label>  
 <input type="checkbox" value="remember-me"> 记住我  
 </label>  
 </div>  
 <button class="btn btn-lg btn-primary btn-block" onclick="login();">登录</button>  
 </form>  
  
 </div>  
  
 </body>  
</html>

### 12.1.2 signin.css

body {  
 padding-top: 40px;  
 padding-bottom: 40px;  
 background-color: #eee;  
}  
  
.form-signin {  
 max-width: 330px;  
 padding: 15px;  
 margin: 0 auto;  
}  
.form-signin .form-signin-heading,  
.form-signin .checkbox {  
 margin-bottom: 10px;  
}  
.form-signin .checkbox {  
 font-weight: normal;  
}  
.form-signin .form-control {  
 position: relative;  
 height: auto;  
 -webkit-box-sizing: border-box;  
 -moz-box-sizing: border-box;  
 box-sizing: border-box;  
 padding: 10px;  
 font-size: 16px;  
}  
.form-signin .form-control:focus {  
 z-index: 2;  
}  
.form-signin input[type="email"] {  
 margin-bottom: -1px;  
 border-bottom-right-radius: 0;  
 border-bottom-left-radius: 0;  
}  
.form-signin input[type="password"] {  
 margin-bottom: 10px;  
 border-top-left-radius: 0;  
 border-top-right-radius: 0;  
}

### 12.1.3 将html替换成jsp

在hgshop-manage工程的src/main/webapp目录下粘贴resources静态资源目录及login.html页面。

在login.html中添加jsp头，并重命名文件为login.jsp。

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

在web.xml中添加欢迎页为login.jsp。

<welcome-file-list>  
 <welcome-file>login.jsp</welcome-file>  
</welcome-file-list>

## 12.2 登录/注销功能

### 12.2.1 登录

将用户名/密码存到hgshop-manage工程的src/main/resources根目录admin.properties中。

adminUser=admin  
adminPassword=123456

新建IndexController类，编写login方法实现管理员登录功能。

/\*\*  
 \* 登录  
 \* @param session  
 \* @param username  
 \* @param password  
 \* @return  
 \* @throws IOException  
 \*/  
 @RequestMapping("/login")  
 @ResponseBody  
 public Map<String, String> login(HttpSession session, String username, String password) throws IOException {  
 Map<String, String> result = new HashMap<>();  
 //1.获取admin.properties中的文件内容  
 Properties props = new Properties();  
 //访问当前类同级目录下的文件；如果访问根目录下的文件，必须加上/  
 //this.getClass().getResourceAsStream("/admin.properties");  
 InputStream is = this.getClass().getClassLoader().getResourceAsStream("admin.properties");  
 props.load(is);  
 String adminUser = props.getProperty("adminUser");  
 String adminPassword = props.getProperty("adminPassword");  
 //2.admin.properties中的内容与参数进行比较  
 if (adminUser.equals(username) && adminPassword.equals(password)) {  
 result.put("code", "200");  
 result.put("msg", "登录成功");  
 //2.1.将用户名存到session中  
 session.setAttribute("adminName", username);  
 } else {  
 //2.2.返回错误码及错误信息  
 result.put("code", "10086");  
 result.put("msg", "用户名或密码不正确");  
 }  
 return result;  
 }

在login.jsp页面中编写ajax请求，访问IndexController中的login方法。

function login(){  
 //ajax  
 $.post('login',$('#loginForm').serialize(),function(result){  
 if(result.code==200){  
 window.location.href='index';  
 }else{  
 var str = '<div class="alert alert-warning alert-dismissible" role="alert">'  
 +'<button type="button" class="close" data-dismiss="alert" aria-label="Close">'  
 +'<span aria-hidden="true">&times;</span></button>'  
 +'<strong>' + result.code + '::' + result.msg + '</strong></div>';  
   
 $('#loginForm').append(str);  
 }  
 },'json');  
 }

ajax登录失败的错误警告框参考bootstrap中文网https://v3.bootcss.com/components/#alerts-dismissible。

需要为警告框组件提供关闭功能，需引入bootstrap.js。

<script type="text/javascript" src="resource/bootstrap/js/bootstrap.min.js"></script>

### 12.2.2 注销

在IndexController中编写logout方法。该方法在后台主页index.jsp中选择【注销】功能时被调用。

/\*\*  
 \* 注销  
 \* @param session  
 \* @return  
 \*/  
 @RequestMapping("/logout")  
 public String logout(HttpSession session) {  
 //删除session中的管理员名称  
 session.removeAttribute("adminName");  
 //页面重定向到登录页  
 return "redirect:/";  
 }

## 12.3 后台主页设计

访问bootstrap中文网https://www.bootcss.com/，选择【Bootstap3中文文档】，选择【起步】，在右边菜单中选中【实例精选】找到【登录页】https://v3.bootcss.com/examples/signin/。

右键选择【查看网页源代码】，直接使用并修改该登录页，并引入需要的signin.css/bootstrap.css/jquery.js。

<!DOCTYPE html>  
<html lang="zh-CN">  
 <head>  
 <meta charset="utf-8">  
 <meta http-equiv="X-UA-Compatible" content="IE=edge">  
 <meta name="viewport" content="width=device-width, initial-scale=1">  
 <!-- 上述3个meta标签\*必须\*放在最前面，任何其他内容都\*必须\*跟随其后！ -->  
 <meta name="description" content="">  
 <meta name="author" content="">  
  
 <title>HgShop后台管理系统</title>  
  
 <!-- Bootstrap core CSS -->  
 <link href="resource/css/bootstrap.css" rel="stylesheet">  
  
 <!-- Custom styles for this template -->  
 <link href="resource/css/dashboard.css" rel="stylesheet">  
 <link rel="stylesheet" href="resource/css/font-awesome.min.css" />  
 <script type="text/javascript" src="resource/jquery/jquery-3.4.1.js"></script>  
 <script type="text/javascript" src="resource/bootstrap/js/bootstrap.min.js"></script>  
   
 <style>  
 img {  
 width:30px;  
 height: 30px;  
 border-radius: 100%;  
 }  
 .sidebar-open-button {  
 font-size: 20px;  
 padding-top: 10px;  
 color: #76747A;  
 text-align: center;  
 float: left;  
 }  
 .nav-sidebar li a {  
 color: black;  
 }  
 .nav-sidebar > .active > a,  
 .nav-sidebar > .active > a:hover,  
 .nav-sidebar > .active > a:focus {  
 color: #fff;  
 background-color: darkgray;  
 }  
 </style>  
   
 <script>  
 $(function(){  
 $('.main').css('height',window.screen.height);  
 var marginLeft = $('.main').css('margin-left');  
 $('.sidebar-open-button').on('click',function(){  
 //$('.sidebar').toggle();  
 if($('.sidebar').hasClass('hidden')){  
 $('.sidebar').removeClass('hidden');  
 $('.main').css('margin-left', marginLeft);  
 }else{  
 $('.sidebar').addClass('hidden');  
 $('.main').css('margin-left', 0);  
 }  
 });  
   
 $('.nav-sidebar li').click(function(){  
 $('.nav-sidebar li').removeClass('active');  
 $(this).addClass('active');  
 });  
 })  
   
   
 </script>  
   
 </head>  
  
 <body>  
  
 <nav class="navbar navbar-inverse navbar-fixed-top">  
 <div class="container-fluid">  
 <div class="navbar-header col-md-2">  
 <button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-target="#navbar" aria-expanded="false" aria-controls="navbar">  
 <span class="sr-only">Toggle navigation</span>  
 <span class="icon-bar"></span>  
 <span class="icon-bar"></span>  
 <span class="icon-bar"></span>  
 </button>  
 <a class="navbar-brand" href="#" style="color: white;">HgShop后台</a>  
 </div>  
 <a href="#" class="sidebar-open-button"><i class="fa fa-bars"></i></a>  
   
 <div class="dropdown navbar-right" style="margin-top:10px">  
 <button class="btn btn-default dropdown-toggle" type="button" id="dropdownMenu1" data-toggle="dropdown" aria-haspopup="true" aria-expanded="true" style="background-color: black;border:0px">  
 <img src="resource/img/profileimg.png"/>  
 <b style="color: white;">admin</b>  
 <span class="caret"></span>  
 </button>  
 <ul class="dropdown-menu" aria-labelledby="dropdownMenu1">  
 <li><a href="#">个人操作</a></li>  
 <li role="separator" class="divider"></li>  
 <li><a href="#">注销</a></li>  
 </ul>  
 </div>  
  
 </div>  
 </nav>  
  
 <div class="container-fluid">  
 <div class="row">  
 <div class="col-sm-3 col-md-2 sidebar">  
 <ul class="nav nav-sidebar">  
 <li class="active"><a href="welcome.html" target="mainFrame">首页</a></li>  
 <li><a href="brand\_list.html" target="mainFrame">品牌管理</a></li>  
 <li><a href="javascript:void(0)" target="mainFrame">分类管理</a></li>  
 <li><a href="javascript:void(0)" target="mainFrame">规格参数管理</a></li>  
 <li><a href="javascript:void(0)" target="mainFrame">spu管理</a></li>  
 <li><a href="javascript:void(0)" target="mainFrame">sku管理</a></li>  
 </ul>  
 </div>  
 <div class="col-sm-9 col-sm-offset-3 col-md-10 col-md-offset-2 main">  
 <iframe name="mainFrame" src="welcome.html" width="100%" height="100%" frameborder="0"></iframe>  
 </div>  
 </div>  
 </div>  
  
 </body>  
</html>

## 12.4 品牌管理

### 12.4.1 品牌页面

#### 12.4.1.1 品牌页面设计-brand\_list.html

<!DOCTYPE html>  
<html lang="zh-CN">  
  
 <head>  
 <meta charset="utf-8">  
 <meta http-equiv="X-UA-Compatible" content="IE=edge">  
 <meta name="viewport" content="width=device-width, initial-scale=1">  
 <title></title>  
 <link href="resource/css/bootstrap.css" rel="stylesheet">  
 <script type="text/javascript" src="resource/jquery/jquery-3.4.1.js"></script>  
 <script type="text/javascript" src="resource/bootstrap/js/bootstrap.min.js"></script>  
 </head>  
  
 <body>  
 <div class="container-fluid">  
 <div class="row">  
 <form action="javascript:void(0)" method="post">  
 <div class="form-group">  
 <label for="name">品牌名称</label>  
 <input type="text" class="form-control" id="name" placeholder="品牌名称">  
 </div>  
 <div class="form-group">  
 <label for="firstChar">品牌首字母</label>  
 <input type="text" class="form-control" id="firstChar" placeholder="品牌首字母">  
 </div>  
 <button type="submit" class="btn btn-success">搜索</button>  
 </form>  
 </div>  
 <div class="row navbar-right">  
 <button type="button" class="btn btn-danger">批量删除</button>  
 <button type="button" class="btn btn-primary btn-md" data-toggle="modal" data-target="#myModal">新增品牌</button>  
 </div>  
 <div class="row">  
 <table class="table table-striped">  
 <thead>  
 <tr>  
 <th><input type="checkbox" id="cbk" />全选</th>  
 <th>编号</th>  
 <th>品牌名称</th>  
 <th>首字母</th>  
 <th>状态</th>  
 <th>操作</th>  
 </tr>  
 </thead>  
 <tbody>  
 <tr>  
 <td><input type="checkbox" class="ck"></td>  
 <td>1</td>  
 <td>Mark</td>  
 <td>Otto</td>  
 <td>@mdo</td>  
 <td>  
 <button type="button" class="btn btn-danger">删除</button>  
 <button type="button" class="btn btn-primary btn-md" data-toggle="modal" data-target="#myModal2">修改</button>  
 <button type="button" class="btn btn-info">查看</button>  
 </td>  
 </tr>  
 </tbody>  
 </table>  
  
 <nav aria-label="Page navigation">  
 <ul class="pagination">  
 <li>  
 <a href="#" aria-label="Previous">  
 <span aria-hidden="true">上一页</span>  
 </a>  
 </li>  
 <li>  
 <a href="#">1</a>  
 </li>  
 <li>  
 <a href="#">2</a>  
 </li>  
 <li>  
 <a href="#">3</a>  
 </li>  
 <li>  
 <a href="#">4</a>  
 </li>  
 <li>  
 <a href="#">5</a>  
 </li>  
 <li>  
 <a href="#" aria-label="Next">  
 <span aria-hidden="true">下一页</span>  
 </a>  
 </li>  
 </ul>  
 </nav>  
  
 </div>  
 </div>  
  
 <div class="modal fade" id="myModal" tabindex="-1" role="dialog" aria-labelledby="myModalLabel">  
 <div class="modal-dialog" role="document">  
 <div class="modal-content">  
 <div class="modal-header">  
 <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>  
 <h4 class="modal-title" id="myModalLabel">新增品牌</h4>  
 </div>  
 <div class="modal-body">  
 <form class="form-horizontal">  
 <div class="form-group">  
 <label for="name" class="col-sm-3 control-label">品牌名称</label>  
 <div class="col-sm-9">  
 <input type="text" class="form-control" id="name" placeholder="品牌名称">  
 </div>  
 </div>  
 <div class="form-group">  
 <label for="firstChar" class="col-sm-3 control-label">品牌首字母</label>  
 <div class="col-sm-9">  
 <input type="text" class="form-control" id="firstChar" placeholder="品牌首字母">  
 </div>  
 </div>  
 </form>  
 </div>  
 <div class="modal-footer">  
 <button type="button" class="btn btn-default" data-dismiss="modal">关闭</button>  
 <button type="button" class="btn btn-primary">添加</button>  
 </div>  
 </div>  
 </div>  
 </div>  
 <!-- /.modal -->  
  
  
  
 <div class="modal fade" id="myModal2" tabindex="-1" role="dialog" aria-labelledby="myModalLabel">  
 <div class="modal-dialog" role="document">  
 <div class="modal-content">  
 <div class="modal-header">  
 <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>  
 <h4 class="modal-title" id="myModalLabel">编辑品牌</h4>  
 </div>  
 <div class="modal-body">  
 <form class="form-horizontal">  
 <div class="form-group">  
 <label for="name" class="col-sm-3 control-label">品牌名称</label>  
 <div class="col-sm-9">  
 <input type="text" class="form-control" id="name" placeholder="品牌名称">  
 </div>  
 </div>  
 <div class="form-group">  
 <label for="firstChar" class="col-sm-3 control-label">品牌首字母</label>  
 <div class="col-sm-9">  
 <input type="text" class="form-control" id="firstChar" placeholder="品牌首字母">  
 </div>  
 </div>  
 </form>  
 </div>  
 <div class="modal-footer">  
 <button type="button" class="btn btn-default" data-dismiss="modal">关闭</button>  
 <button type="button" class="btn btn-primary">添加</button>  
 </div>  
 </div>  
 </div>  
 </div>  
 <!-- /.modal -->  
 </body>  
  
</html>

#### 12.4.1.2 项目中引入品牌页面-brand\_list.jsp

<%@ page language="java" contentType="text/html; charset=UTF-8"  
 pageEncoding="UTF-8"%>  
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>  
<!DOCTYPE html>  
<html lang="zh-CN">  
 <head>  
 <base href="${pageContext.request.contextPath }/">  
 <meta charset="utf-8">  
 <meta http-equiv="X-UA-Compatible" content="IE=edge">  
 <meta name="viewport" content="width=device-width, initial-scale=1">  
 <title>品牌管理</title>  
  
 <!-- Bootstrap core CSS -->  
 <link href="resource/css/bootstrap.css" rel="stylesheet">  
 <script type="text/javascript" src="resource/jquery/jquery-3.4.1.js"></script>  
 <script type="text/javascript" src="resource/bootstrap/js/bootstrap.min.js"></script>  
   
 <script>  
 function addBrand(){  
 $.post('brandAdd',$('#modalForm1').serialize(),function(data){  
 if(data){  
 $("#myModal").modal('hide');  
 window.location.reload();  
 }else{  
 alert('添加品牌失败');  
 }  
 },'json');  
 }  
 function editBrand(){  
 $.post('brandAdd',$('#modalForm2').serialize(),function(data){  
 if(data){  
 $("#myModal2").modal('hide');  
 window.location.reload();  
 }else{  
 alert('编辑品牌失败');  
 }  
 },'json');  
 }  
 //修改模态框的数据回显和详情模态框的页面展示  
 function getBrandById(id,flag){  
 $.post('getBrandById',{id:id},function(data){  
 if(flag==1){  
 //修改模态框的数据回显  
 $('#id2').val(data.id);  
 $('#name2').val(data.name);  
 $('#firstChar2').val(data.firstChar);   
 }else{  
 //详情模态框的页面展示  
 $('#name3').text(data.name);  
 $('#firstChar3').text(data.firstChar);   
 }  
 },'json');  
 }  
 $(function(){  
 $('#cbk').on('click',function(){  
 $('.ck').prop('checked', this.checked);  
 });  
 })  
 function deleteBrand(ids){  
 if(ids==undefined){  
 //批量删除 [user1,user2,user3] ----> [1,2,3]  
 ids = $('.ck:checked').map(function(){  
 return this.value;  
 }).get().join(',');  
 }  
 if(ids!=''){  
 if(confirm('确定要删除选中的数据吗?')){  
 $.post('brandDelete',{ids:ids},function(data){  
 if(data){  
 window.location.reload();  
 }else{  
 alert('删除品牌失败');  
 }  
 },'json');  
 }  
 }else{  
 alert('请选中要删除的数据');  
 }  
 }  
 </script>  
   
 </head>  
   
 <body>  
 <div class="container-fluid">  
 <div class="row">  
 <form action="brandList" method="post">  
 <div class="form-group">  
 <label for="name">品牌名称</label>  
 <input type="text" class="form-control" id="name" name="name" placeholder="品牌名称" value="${brand.name }">  
 </div>  
 <div class="form-group">  
 <label for="firstChar">品牌首字母</label>  
 <input type="text" class="form-control" id="firstChar" name="firstChar" placeholder="品牌首字母" value="${brand.firstChar }">  
 </div>  
 <button class="btn btn-success" type="submit">搜索</button>  
 </form>  
 </div>  
   
 <div class="row" style="float: right;">  
 <button class="btn btn-danger" onclick="deleteBrand()">批量删除</button>  
 <button type="button" class="btn btn-primary btn-md" data-toggle="modal" data-target="#myModal">  
 新增品牌  
 </button>  
 </div>  
   
 <div class="row">  
 <table class="table table-striped">  
 <thead>  
 <tr>  
 <th><input type="checkbox" id="cbk">全选</th>  
 <th>编号</th>  
 <th>品牌名称</th>  
 <th>首字母</th>  
 <th>状态</th>  
 <th>操作</th>  
 </tr>  
 </thead>  
 <tbody>  
 <c:forEach items="${pageInfo.list}" var="brand" varStatus="index">  
 <tr>  
 <td><input type="checkbox" class="ck" value="${brand.id}"/></td>  
 <td>${index.count}</td>  
 <td>${brand.name}</td>  
 <td>${brand.firstChar}</td>  
 <td>${brand.deletedFlag==0 ? '正常' : '删除'}</td>  
 <td>  
 <button class="btn btn-danger" onclick="deleteBrand(${brand.id})">删除</button>  
 <button type="button" class="btn btn-primary btn-md" data-toggle="modal" data-target="#myModal2" onclick="getBrandById(${brand.id},1);">  
 修改  
 </button>  
 <button type="button" class="btn btn-info btn-md" data-toggle="modal" data-target="#myModal3" onclick="getBrandById(${brand.id},2);">  
 查看  
 </button>  
 </td>  
 </tr>  
 </c:forEach>  
 </tbody>  
 </table>  
   
 <nav>  
 <ul class="pagination">  
 <c:if test="${pageInfo.hasPreviousPage}">  
 <li>  
 <a href="brandList?pageNum=${pageInfo.prePage}&name=${brand.name}&firstChar=${brand.firstChar}">  
 <span aria-hidden="true">上一页</span>  
 </a>  
 </li>  
 </c:if>  
 <c:forEach items="${pageInfo.navigatepageNums}" var="pageNum">  
 <c:if test="${pageInfo.pageNum==pageNum}">  
 <li class="active"><a href="brandList?pageNum=${pageNum}&name=${brand.name}&firstChar=${brand.firstChar}">${pageNum}</a></li>  
 </c:if>  
 <c:if test="${pageInfo.pageNum!=pageNum}">  
 <li><a href="brandList?pageNum=${pageNum}&name=${brand.name}&firstChar=${brand.firstChar}">${pageNum}</a></li>  
 </c:if>  
 </c:forEach>  
 <c:if test="${pageInfo.hasNextPage}">  
 <li>  
 <a href="brandList?pageNum=${pageInfo.nextPage}&name=${brand.name}&firstChar=${brand.firstChar}" aria-label="Next">  
 <span aria-hidden="true">下一页</span>  
 </a>  
 </li>  
 </c:if>  
 </ul>  
 </nav>  
 </div>  
 </div>  
   
   
 <div class="modal fade" id="myModal" tabindex="-1" role="dialog" aria-labelledby="myModalLabel">  
 <div class="modal-dialog" role="document">  
 <div class="modal-content">  
 <div class="modal-header">  
 <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>  
 <h4 class="modal-title">新增品牌</h4>  
 </div>  
 <div class="modal-body">  
 <form class="form-horizontal" id="modalForm1" action="javascript:void(0);">  
 <div class="form-group">  
 <label for="name" class="col-sm-3 control-label">品牌名称</label>  
 <div class="col-sm-9">  
 <input type="text" class="form-control" id="name" name="name" placeholder="品牌名称">  
 </div>  
 </div>  
 <div class="form-group">  
 <label for="firstChar" class="col-sm-3 control-label">品牌首字母</label>  
 <div class="col-sm-9">  
 <input type="text" class="form-control" id="firstChar" name="firstChar" placeholder="品牌首字母">  
 </div>  
 </div>  
 </form>  
 </div>  
 <div class="modal-footer">  
 <button type="button" class="btn btn-default" data-dismiss="modal">关闭</button>  
 <button type="button" class="btn btn-primary" onclick="addBrand()">添加</button>  
 </div>  
 </div>  
 </div>  
 </div>  
 <!-- /.modal -->  
  
  
  
 <div class="modal fade" id="myModal2" tabindex="-1" role="dialog" aria-labelledby="myModalLabel">  
 <div class="modal-dialog" role="document">  
 <div class="modal-content">  
 <div class="modal-header">  
 <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>  
 <h4 class="modal-title">编辑品牌</h4>  
 </div>  
 <div class="modal-body">  
 <form class="form-horizontal" id="modalForm2" action="javascript:void(0);">  
 <input type="hidden" id="id2" name="id">  
 <div class="form-group">  
 <label for="name" class="col-sm-3 control-label">品牌名称</label>  
 <div class="col-sm-9">  
 <input type="text" class="form-control" id="name2" name="name" placeholder="品牌名称">  
 </div>  
 </div>  
 <div class="form-group">  
 <label for="firstChar" class="col-sm-3 control-label">品牌首字母</label>  
 <div class="col-sm-9">  
 <input type="text" class="form-control" id="firstChar2" name="firstChar" placeholder="品牌首字母">  
 </div>  
 </div>  
 </form>  
 </div>  
 <div class="modal-footer">  
 <button type="button" class="btn btn-default" data-dismiss="modal">关闭</button>  
 <button type="button" class="btn btn-primary" onclick="editBrand()">编辑</button>  
 </div>  
 </div>  
 </div>  
 </div>  
  
  
 <div class="modal fade" id="myModal3" tabindex="-1" role="dialog" aria-labelledby="myModalLabel">  
 <div class="modal-dialog" role="document">  
 <div class="modal-content">  
 <div class="modal-header">  
 <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>  
 <h4 class="modal-title">查看品牌</h4>  
 </div>  
 <div class="modal-body">  
 <form class="form-horizontal" id="modalForm3" action="javascript:void(0);">  
 <div class="form-group">  
 <label for="name" class="col-sm-3 control-label">品牌名称</label>  
 <div class="col-sm-9">  
 <span id="name3"></span>  
 </div>  
 </div>  
 <div class="form-group">  
 <label for="firstChar" class="col-sm-3 control-label">品牌首字母</label>  
 <div class="col-sm-9">  
 <span id="firstChar3"></span>  
 </div>  
 </div>  
 </form>  
 </div>  
 <div class="modal-footer">  
 <button type="button" class="btn btn-default" data-dismiss="modal">关闭</button>  
 </div>  
 </div>  
 </div>  
 </div>  
 </body>  
</html>

### 12.4.2 添加品牌

1. 控制层-BrandController

* @RequestMapping("/brandAdd")  
  @ResponseBody  
  public boolean brandAdd(Brand brand) {  
   return brandService.saveOrUpdateBrand(brand) > 0;  
  }

1. 接口层-BrandService

* /\*\*  
   \* 添加或更新品牌  
   \* @param brand  
   \* @return  
   \*/  
  Integer saveOrUpdateBrand(Brand brand);

1. 服务层-BrandServiceImpl

* /\*\*  
   \* 添加或修改品牌  
   \*/  
  @Override  
  public Integer saveOrUpdateBrand(Brand brand) {  
   if (brand.getId() == null) {  
   brand.setDeletedFlag(0);  
   return brandMapper.insertBrand(brand);  
   } else {  
   return brandMapper.updateBrand(brand);  
   }  
  }

1. 数据访问层-BrandMapper

* Integer insertBrand(Brand brand);
* <insert id="insertBrand">  
   insert into hg\_brand(name,first\_char,deleted\_flag) values (#{name},#{firstChar},#{deletedFlag})  
  </insert>

### 12.4.3 品牌列表

1. 控制层-BrandController

* @RequestMapping("/brandList")  
  public String brandList(Model model, Brand brand, @RequestParam(defaultValue="1")Integer pageNum, @RequestParam(defaultValue="3")Integer pageSize) {  
   //1.获取数据  
   PageInfo<Brand> pageInfo = brandService.list(brand, pageNum, pageSize);  
   //2.填充数据  
   model.addAttribute("pageInfo", pageInfo);  
   model.addAttribute("brand", brand);  
   return "brand\_list";  
  }

1. 接口层-BrandService

* /\*\*  
   \* 获取品牌列表(分页)  
   \* @param brand  
   \* @param pageNum  
   \* @param pageSize  
   \* @return  
   \*/  
  PageInfo<Brand> list(Brand brand, Integer pageNum, Integer pageSize);

1. 服务层-BrandServiceImpl

* /\*\*  
   \* 获取品牌列表(分页)  
   \*/  
  @Override  
  public PageInfo<Brand> list(Brand brand, Integer pageNum, Integer pageSize) {  
   PageHelper.startPage(pageNum, pageSize);  
   List<Brand> list = brandMapper.selectBrandList(brand);  
   PageInfo<Brand> pageInfo = new PageInfo<Brand>(list);  
   return pageInfo;  
  }

1. 数据访问层-BrandMapper

* List<Brand> selectBrandList(Brand brand);
* <select id="selectBrandList" resultType="brand">  
   select id,name,first\_char,deleted\_flag from hg\_brand  
   <where>  
   <if test="name != null and name != ''">  
   and name like concat('%',#{name},'%')  
   </if>  
   <if test="firstChar != null and firstChar != ''">  
   and first\_char like concat('%',#{firstChar},'%')  
   </if>  
   </where>  
  </select>

### 12.4.4 修改品牌

1. 控制层-BrandController

* @RequestMapping("/getBrandById")  
  @ResponseBody  
  public Brand getBrandById(Integer id) {  
   return brandService.getBrandById(id);  
  }
* @RequestMapping("/brandAdd")  
  @ResponseBody  
  public boolean brandAdd(Brand brand) {  
   return brandService.saveOrUpdateBrand(brand) > 0;  
  }

1. 接口层-BrandService

* /\*\*  
   \* 查看详情  
   \* @param id  
   \* @return  
   \*/  
  Brand getBrandById(Integer id);
* /\*\*  
   \* 添加或更新品牌  
   \* @param brand  
   \* @return  
   \*/  
  Integer saveOrUpdateBrand(Brand brand);

1. 服务层-BrandServiceImpl

* /\*\*  
   \* 获取品牌详情  
   \*/  
  @Override  
  public Brand getBrandById(Integer id) {  
   return brandMapper.selectBrandById(id);  
  }
* /\*\*  
   \* 添加或修改品牌  
   \*/  
  @Override  
  public Integer saveOrUpdateBrand(Brand brand) {  
   if (brand.getId() == null) {  
   brand.setDeletedFlag(0);  
   return brandMapper.insertBrand(brand);  
   } else {  
   return brandMapper.updateBrand(brand);  
   }  
  }

1. 数据访问层-BrandMapper

* Brand selectBrandById(Integer id);
* <select id="selectBrandById" resultType="brand">  
   select id,name,first\_char,deleted\_flag from hg\_brand where id=#{id}  
  </select>
* Integer updateBrand(Brand brand);
* <update id="updateBrand">  
   update hg\_brand set name=#{name},first\_char=#{firstChar} where id=#{id}  
  </update>

### 12.4.3 删除品牌(伪删除)

1. 控制层-BrandController

* @RequestMapping("/brandDelete")  
  @ResponseBody  
  public boolean brandDelete(Integer[] ids) {  
   return brandService.deleteBrandByIds(ids) > 0;  
  }

1. 接口层-BrandService

* /\*\*  
   \* 批量删除  
   \* @param ids  
   \* @return  
   \*/  
  Integer deleteBrandByIds(Integer[] ids);

1. 服务层-BrandServiceImpl

* /\*\*  
   \* 批量删除(假删除)  
   \*/  
  @Override  
  public Integer deleteBrandByIds(Integer[] ids) {  
   return brandMapper.deleteBrandByIds(ids);  
  }

1. 数据访问层-BrandMapper

* Integer deleteBrandByIds(Integer[] ids);
* <update id="deleteBrandByIds">  
   update hg\_brand set deleted\_flag=1 where id in  
   <foreach collection="array" open="(" close=")" separator="," item="id">  
   #{id}  
   </foreach>  
  </update>