

23.3.1.2 准备后台服务

步骤1：在com.bstek.dorado.sample.standardlesson.middle.main包中新建MainDynaView类，最终代码如下：

```
package com.bstek.dorado.sample.standardlesson.middle.main;

import java.util.Collection;
import java.util.HashMap;
import java.util.Map;
import javax.annotation.Resource;
import org.springframework.stereotype.Component;
import com.bstek.dorado.common.event.DefaultClientEvent;
import com.bstek.dorado.sample.standardlesson.dao.SIMenuDao;
import com.bstek.dorado.sample.standardlesson.entity.SIMenu;
import com.bstek.dorado.view.widget.base.menu.MenuItem;
import com.bstek.dorado.view.widget.base.toolbar.MenuButton;
import com.bstek.dorado.view.widget.base.toolbar.ToolBar;

@Component
public class MainDynaView {
    @Resource
    private SIMenuDao siMenuDao;

    /**
     * 动态生成toolbar中的MenuButton以及以下的MenuItem
     * @param toolbarMenu
     */
    public void beforeToolBarInit(ToolBar toolbarMenu){
        //通过siMenuDao获取后台菜单数据
        Collection<SIMenu> menus = getMenuByParentId(null);
        for(SIMenu menu:menus){
            MenuButton mb = new MenuButton();
            mb.setCaption(menu.getMenuName());
            Collection<SIMenu> childs = getMenuByParentId(menu.getMenuId());
            for(SIMenu child:childs){
                MenuItem mi = new MenuItem();
                mi.setCaption(child.getMenuName());
                mi.setIcon(child.getIcon());
                if("退出".equals(child.getMenuName())){
                    mi.setTags("logout");
                }else{
                    mi.setTags("menuItem");
                    mi.setUserData(child.getUrl());
                }
                mb.addItem(generateMenuItem(mi,child));
            }
            toolbarMenu.addItem(mb);
        }
    }

    /**
     * 获取叶子菜单
     * @param mi
     * @param menu
     * @return
     */
    private MenuItem generateMenuItem(MenuItem mi,SIMenu menu){
        Collection<SIMenu> childs = getMenuByParentId(menu.getMenuId());
```

```
for(SIMenu child:childs){
    MenuItem michild = new MenuItem();
    michild.setCaption(child.getMenuName());
    michild.setIcon(child.getIcon());
    michild.setTags("menuItem");
    michild.setUserData(child.getUrl());
    generateMenuItem(michild,child);
    mi.addItem(michild);
}
return mi;
}
```

```
private Collection<SIMenu> getMenuByParentId(Long menuId){
    if(null != menuId){
        String hql = "from SIMenu where parentId = :menuId order by showOrder";
        Map param = new HashMap();
        param.put("menuId", menuId);
        return sIMenuDao.find(hql, param);
    }else{
        return sIMenuDao.find("from SIMenu where parentId is NULL");
    }
}
```

```
    }  
  }  
}
```

可以发现这个类比较简单，从sl_menu表中读取菜单数据，根据顶层节点数据新建为MenuButton对象，次级节点数据新建为MenuItem，将MenuItem放入MenuButton中，最后将MenuButton加入ToolBar中。

步骤2: 准备中级教程的登出服务类

在com.bstek.dorado.sample.standardlesson.middle包中新建LoginServiceForMiddle，最终代码如下：

```
package com.bstek.dorado.sample.standardlesson.middle;  
import java.util.HashMap;  
import java.util.Map;  
import javax.servlet.http.HttpServletRequest;  
import org.springframework.stereotype.Component;  
import com.bstek.dorado.annotation.Expose;  
import com.bstek.dorado.web.DoradoContext;  
@Component  
public class LoginServiceForMiddle {  
    @Expose  
    public Map doLogout(){  
        DoradoContext ctx = DoradoContext.getCurrent();  
        HttpServletRequest request = ctx.getRequest();  
        request.getSession().setAttribute("user", null);  
        Map result = new HashMap();  
        result.put("url", "com.bstek.dorado.sample.standardlesson.middle.Login.d");  
        result.put("result", true);  
        return result;  
    }  
}
```