# 自定义标签

1. 什么是自定义标签

就是类似于jsp标签<jsp:include>

1. 两种类型
2. <%@ **taglib** prefix="fn" uri="http://java.sun.com/jsp/jstl/functions" %>  
   <%@ **taglib** prefix="fns" uri="/WEB-INF/tlds/fns.tld" %>  
   <%@ **taglib** prefix="sys" tagdir="/WEB-INF/tags/sys" %>
3. 引用的jstl的标签
4. 自定义标签，映射对应的class类
5. 自定义标签，映射对应的tag
6. 自定义标签，映射对应的class类

### fns.tld-----class对应<fns:xxx>

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| <?xml version="1.0" encoding="UTF-8" ?>  <taglib xmlns="http://java.sun.com/xml/ns/j2ee"  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee http://java.sun.com/xml/ns/j2ee/web-jsptaglibrary\_2\_0.xsd"  version="2.0">    <description>JSTL 1.1 functions library</description>  <display-name>JSTL functions sys</display-name>  <tlib-version>1.1</tlib-version>  <short-name>fns</short-name>  <uri>http://java.sun.com/jsp/jstl/functionss</uri>   <function>  <description>获取管理路径</description>  <name>getAdminPath</name>  <function-class>com.scm.common.config.Global</function-class>  <function-signature>java.lang.String getAdminPath()</function-signature>  <example>${fns:getAdminPath()}</example>  </function>  <function>  <description>获取网站路径</description>  <name>getFrontPath</name>  <function-class>com.scm.common.config.Global</function-class>  <function-signature>java.lang.String getFrontPath()</function-signature>  <example>${fns:getFrontPath()}</example>  </function>  <function>  <description>获取网站URL后缀</description>  <name>getUrlSuffix</name>  <function-class>com.scm.common.config.Global</function-class>  <function-signature>java.lang.String getUrlSuffix()</function-signature>  <example>${fns:getUrlSuffix()}</example>  </function>  <function>  <description>获取配置</description>  <name>getConfig</name>  <function-class>com.scm.common.config.Global</function-class>  <function-signature>java.lang.String getConfig(java.lang.String)</function-signature>  <example>${fns:getConfig(key)}</example>  </function>  <function>  <description>获取常量</description>  <name>getConst</name>  <function-class>com.scm.common.config.Global</function-class>  <function-signature>java.lang.Object getConst(java.lang.String)</function-signature>  <example>${fns:getConst(key)}</example>  </function>    <!-- UserUtils -->  <function>  <description>获取当前用户对象</description>  <name>getUser</name>  <function-class>com.scm.modules.sys.utils.UserUtils</function-class>  <function-signature>com.scm.modules.sys.entity.User getUser()</function-signature>  <example>${fns:getUser()}</example>   </function>    <function>  <description>根据编码获取用户对象</description>  <name>getUserById</name>  <function-class>com.scm.modules.sys.utils.UserUtils</function-class>  <function-signature>com.scm.modules.sys.entity.User get(java.lang.String)</function-signature>  <example>${fns:getUserById(id)}</example>   </function>    <function>  <description>获取授权用户信息</description>  <name>getPrincipal</name>  <function-class>com.scm.modules.sys.utils.UserUtils</function-class>  <function-signature>com.scm.modules.sys.security.SystemAuthorizingRealm.Principal getPrincipal()</function-signature>  <example>${fns:getPrincipal()}</example>   </function>    <function>  <description>获取当前用户的菜单对象列表</description>  <name>getMenuList</name>  <function-class>com.scm.modules.sys.utils.UserUtils</function-class>  <function-signature>java.util.List getMenuList()</function-signature>  <example>${fns:getMenuList()}</example>   </function>    <function>  <description>获取当前用户的区域对象列表</description>  <name>getAreaList</name>  <function-class>com.scm.modules.sys.utils.UserUtils</function-class>  <function-signature>java.util.List getAreaList()</function-signature>  <example>${fns:getAreaList()}</example>   </function>    <function>  <description>获取当前用户的部门对象列表</description>  <name>getOfficeList</name>  <function-class>com.scm.modules.sys.utils.UserUtils</function-class>  <function-signature>java.util.List getOfficeList()</function-signature>  <example>${fns:getOfficeList()}</example>   </function>    <function>  <description>获取当前用户缓存</description>  <name>getCache</name>  <function-class>com.scm.modules.sys.utils.UserUtils</function-class>  <function-signature>java.lang.Object getCache(java.lang.String, java.lang.Object)</function-signature>  <example>${fns:getCache(cacheName, defaultValue)}</example>   </function>    <!-- DictUtils -->  <function>  <description>获取字典标签</description>  <name>getDictLabel</name>  <function-class>com.scm.modules.sys.utils.DictUtils</function-class>  <function-signature>java.lang.String getDictLabel(java.lang.String, java.lang.String, java.lang.String)</function-signature>  <example>${fns:getDictLabel(value, type, defaultValue)}</example>   </function>    <function>  <description>获取字典标签(多个)</description>  <name>getDictLabels</name>  <function-class>com.scm.modules.sys.utils.DictUtils</function-class>  <function-signature>java.lang.String getDictLabels(java.lang.String, java.lang.String, java.lang.String)</function-signature>  <example>${fns:getDictLabels(values, type, defaultValue)}</example>   </function>   <function>  <description>获取字典值</description>  <name>getDictValue</name>  <function-class>com.scm.modules.sys.utils.DictUtils</function-class>  <function-signature>java.lang.String getDictValue(java.lang.String, java.lang.String, java.lang.String)</function-signature>  <example>${fns:getDictValue(label, type, defaultValue)}</example>   </function>    <function>  <description>获取字典对象列表</description>  <name>getDictList</name>  <function-class>com.scm.modules.sys.utils.DictUtils</function-class>  <function-signature>java.util.List getDictList(java.lang.String)</function-signature>  <example>${fns:getDictList(type)}</example>   </function>    <function>  <description>获取字典对象列表</description>  <name>getDictListJson</name>  <function-class>com.scm.modules.sys.utils.DictUtils</function-class>  <function-signature>java.lang.String getDictListJson(java.lang.String)</function-signature>  <example>${fns:getDictListJson(type)}</example>   </function>    <!-- Encodes -->  <function>  <description>URL编码</description>  <name>urlEncode</name>  <function-class>com.scm.common.utils.Encodes</function-class>  <function-signature>java.lang.String urlEncode(java.lang.String)</function-signature>  <example>${fns:urlEncode(part)}</example>   </function>  <function>  <description>URL解码</description>  <name>urlDecode</name>  <function-class>com.scm.common.utils.Encodes</function-class>  <function-signature>java.lang.String urlDecode(java.lang.String)</function-signature>  <example>${fns:urlDecode(part)}</example>   </function>  <function>  <description>HTML编码</description>  <name>escapeHtml</name>  <function-class>com.scm.common.utils.Encodes</function-class>  <function-signature>java.lang.String escapeHtml(java.lang.String)</function-signature>  <example>${fns:escapeHtml(html)}</example>   </function>  <function>  <description>HTML解码</description>  <name>unescapeHtml</name>  <function-class>com.scm.common.utils.Encodes</function-class>  <function-signature>java.lang.String unescapeHtml(java.lang.String)</function-signature>  <example>${fns:unescapeHtml(html)}</example>   </function>    <!-- StringUtils -->  <function>  <description>从后边开始截取字符串</description>  <name>substringAfterLast</name>  <function-class>org.apache.commons.lang3.StringUtils</function-class>  <function-signature>java.lang.String substringAfterLast(java.lang.String, java.lang.String)</function-signature>  <example>${fns:substringAfterLast(str,separator)}</example>   </function>  <function>  <description>判断字符串是否以某某开头</description>  <name>startsWith</name>  <function-class>org.apache.commons.lang3.StringUtils</function-class>  <function-signature>boolean startsWith(java.lang.CharSequence, java.lang.CharSequence)</function-signature>  <example>${fns:startsWith(str,prefix)}</example>   </function>  <function>  <description>判断字符串是否以某某结尾</description>  <name>endsWith</name>  <function-class>org.apache.commons.lang3.StringUtils</function-class>  <function-signature>boolean endsWith(java.lang.CharSequence, java.lang.CharSequence)</function-signature>  <example>${fns:endsWith(str,suffix)}</example>   </function>  <function>  <description>缩写字符串，超过最大宽度用“...”表示</description>  <name>abbr</name>  <function-class>com.scm.common.utils.StringUtils</function-class>  <function-signature>java.lang.String abbr(java.lang.String, int)</function-signature>  <example>${fns:abbr(str,length)}</example>   </function>  <function>  <description>替换掉HTML标签</description>  <name>replaceHtml</name>  <function-class>com.scm.common.utils.StringUtils</function-class>  <function-signature>java.lang.String replaceHtml(java.lang.String)</function-signature>  <example>${fns:replaceHtml(html)}</example>   </function>  <function>  <description>转换为JS获取对象值，生成三目运算返回结果。</description>  <name>jsGetVal</name>  <function-class>com.scm.common.utils.StringUtils</function-class>  <function-signature>java.lang.String jsGetVal(java.lang.String)</function-signature>  <example>${fns:jsGetVal('row.user.id')} 返回：!row?'':!row.user?'':!row.user.id?'':row.user.id</example>   </function>    <!-- DateUtils -->  <function>  <description>获取当前日期</description>  <name>getDate</name>  <function-class>com.scm.common.utils.DateUtils</function-class>  <function-signature>java.lang.String getDate(java.lang.String)</function-signature>  <example>${fns:getDate(pattern)}</example>   </function>  <function>  <description>获取过去的天数</description>  <name>pastDays</name>  <function-class>com.scm.common.utils.DateUtils</function-class>  <function-signature>long pastDays(java.util.Date)</function-signature>  <example>${fns:pastDays(date)}</example>   </function>    <!-- JsonMapper -->  <function>  <description>对象转换JSON字符串</description>  <name>toJson</name>  <function-class>com.scm.common.mapper.JsonMapper</function-class>  <function-signature>java.lang.String toJsonString(java.lang.Object)</function-signature>  <example>${fns:toJson(object)}</example>   </function> </taglib> |

### Shiro.tld----class对应tag标签

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| <?xml version="1.0" encoding="ISO-8859-1" ?> <!--  ~ Licensed to the Apache Software Foundation (ASF) under one  ~ or more contributor license agreements. See the NOTICE file  ~ distributed with this work for additional information  ~ regarding copyright ownership. The ASF licenses this file  ~ to you under the Apache License, Version 2.0 (the  ~ "License"); you may not use this file except in compliance  ~ with the License. You may obtain a copy of the License at  ~  ~ http://www.apache.org/licenses/LICENSE-2.0  ~  ~ Unless required by applicable law or agreed to in writing,  ~ software distributed under the License is distributed on an  ~ "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY  ~ KIND, either express or implied. See the License for the  ~ specific language governing permissions and limitations  ~ under the License.  --> <!DOCTYPE taglib PUBLIC "-//Sun Microsystems, Inc.//DTD JSP Tag Library 1.2//EN"  "http://java.sun.com/dtd/web-jsptaglibrary\_1\_2.dtd">  <taglib>   <tlib-version>1.1.2</tlib-version>  <jsp-version>1.2</jsp-version>  <short-name>Apache Shiro</short-name>  <uri>http://shiro.apache.org/tagss</uri>  <description>Apache Shiro JSP Tag Library extends the hasAnyPermissions tag.</description>   <tag>  <name>hasPermission</name>  <tag-class>org.apache.shiro.web.tags.HasPermissionTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current Subject (user)  'has' (implies) the specified permission (i.e the user has the specified ability).  </description>  <attribute>  <name>name</name>  <required>true</required>  <rtexprvalue>true</rtexprvalue>  </attribute>  </tag>   <tag>  <name>hasAnyPermissions</name>  <tag-class>com.scm.common.security.shiro.HasAnyPermissionsTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current user has one of the specified permissions from a  comma-separated list of permission names.  </description>  <attribute>  <name>name</name>  <required>true</required>  <rtexprvalue>true</rtexprvalue>  </attribute>  </tag>    <tag>  <name>lacksPermission</name>  <tag-class>org.apache.shiro.web.tags.LacksPermissionTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current Subject (user) does  NOT have (not imply) the specified permission (i.e. the user lacks the specified ability)  </description>  <attribute>  <name>name</name>  <required>true</required>  <rtexprvalue>true</rtexprvalue>  </attribute>  </tag>   <tag>  <name>hasRole</name>  <tag-class>org.apache.shiro.web.tags.HasRoleTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current user has the specified role.</description>  <attribute>  <name>name</name>  <required>true</required>  <rtexprvalue>true</rtexprvalue>  </attribute>  </tag>    <tag>  <name>hasAnyRoles</name>  <tag-class>org.apache.shiro.web.tags.HasAnyRolesTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current user has one of the specified roles from a  comma-separated list of role names.  </description>  <attribute>  <name>name</name>  <required>true</required>  <rtexprvalue>true</rtexprvalue>  </attribute>  </tag>   <tag>  <name>lacksRole</name>  <tag-class>org.apache.shiro.web.tags.LacksRoleTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current user does NOT have the specified role  (i.e. they explicitly lack the specified role)  </description>  <attribute>  <name>name</name>  <required>true</required>  <rtexprvalue>true</rtexprvalue>  </attribute>  </tag>   <tag>  <name>authenticated</name>  <tag-class>org.apache.shiro.web.tags.AuthenticatedTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current user has successfully authenticated  \_during their current session\_. It is more restrictive than the 'user' tag.  It is logically opposite to the 'notAuthenticated' tag.  </description>  </tag>   <tag>  <name>notAuthenticated</name>  <tag-class>org.apache.shiro.web.tags.NotAuthenticatedTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current user has NOT succesfully authenticated  \_during their current session\_. It is logically opposite to the 'authenticated' tag.  </description>  </tag>   <tag>  <name>user</name>  <tag-class>org.apache.shiro.web.tags.UserTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current Subject has a known identity, either  from a previous login or from 'RememberMe' services. Note that this is semantically different  from the 'authenticated' tag, which is more restrictive. It is logically  opposite to the 'guest' tag.  </description>  </tag>   <tag>  <name>guest</name>  <tag-class>org.apache.shiro.web.tags.GuestTag</tag-class>  <body-content>JSP</body-content>  <description>Displays body content only if the current Subject IS NOT known to the system, either  because they have not logged in or they have no corresponding 'RememberMe' identity. It is logically  opposite to the 'user' tag.  </description>  </tag>   <tag>  <name>principal</name>  <tag-class>org.apache.shiro.web.tags.PrincipalTag</tag-class>  <body-content>JSP</body-content>  <description>Displays the user's principal or a property of the user's principal.</description>  <attribute>  <name>type</name>  <required>false</required>  <rtexprvalue>true</rtexprvalue>  </attribute>  <attribute>  <name>property</name>  <required>false</required>  <rtexprvalue>true</rtexprvalue>  </attribute>  <attribute>  <name>defaultValue</name>  <required>false</required>  <rtexprvalue>true</rtexprvalue>  </attribute>  </tag>  </taglib> |

### message.tag-----实现简单的js效果

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| <%@ **tag** language="java" pageEncoding="UTF-8"%> <%@ **include** file="/WEB-INF/views/include/taglib.jsp"%> <%@ **attribute** name="content" type="java.lang.String" required="true" description="消息内容"%> <%@ **attribute** name="type" type="java.lang.String" description="消息类型：info、success、warning、error、loading"%> <script type="text/javascript">top.$.jBox.closeTip();</script> <**c:if** test="**${not empty** content**}**">  <**c:if** test="**${not empty** type**}**"><**c:set** var="ctype" value="**${**type**}**"/></**c:if**><**c:if** test="**${empty** type**}**"><**c:set** var="ctype" value="**${**fn:indexOf(content,'失败') **eq** -1?'success':'error'**}**"/></**c:if**>  <div id="messageBox" class="alert alert-**${**ctype**}** hide"><button data-dismiss="alert" class="close">×</button>**${**content**}**</div>  <script type="text/javascript">**if** (!top.$.jBox.tip.mess) {  top.$.jBox.tip.mess = 1;  top.$.jBox.tip("**${**content**}**", "**${**ctype**}**", {persistent: **true**, opacity: 0});  $("#messageBox").show();  }</script> </**c:if**> |