# 组件构成

你的应用是这样被构建出来的，在你的HTML模板文件中定义各种MontageJS的组件，然后把它们组合在一起。

## Repetition

它是一个重复content数组的组件。以下的定义会告诉Repetition组件重复li，也就是重复它对应的Text组件，重复的次数是content数组的长度（在这个列子中是三次）。

<script type="text/montage-serialization">  
{  
 "repetition": {  
 "prototype": "montage/ui/repetition.reel",  
 "properties": {  
 "element": {"#": "repetition"},  
 "content": [1,2,3]  
 }  
 }  
 "text": {  
 "prototype": "montage/ui/text.reel",  
 "properties": {  
 "element": {"#": "text"},  
 "value": "hello"  
 }  
 }  
}  
</script>  
  
<body>  
 <ul data-montage-id="repetition">  
 <li data-montage-id="text"></li>  
 </ul>  
</body>

## Condition

例如以下的Condition组件设置只有当condition属性的值为true的时候才显示span的value "This is the truth"。在这个例子中condition为false，使得span不显示。

<script type="text/montage-serialization">  
{  
 "condition": {  
 "prototype": "montage/ui/condition.reel",  
 "properties": {  
 "element": {"#": "condition"},  
 "condition": false  
 }  
 }  
 "text": {  
 "prototype": "montage/ui/text.reel",  
 "properties": {  
 "element": {"#": "text"},  
 "value": "This is the truth"  
 }  
 }  
}  
</script>  
  
<body>  
 <div data-montage-id="condition">  
 <span data-montage-id="text"></span>  
 </div>  
</body>

## Substitution

Substitution组件是让一组组件根据value的值只显示一个。

<script type="text/montage-serialization">  
{  
 "customerNameSubstitution": {  
 "prototype": "montage/ui/substitution.reel"  
 "properties": {  
 "element": {"#": "customerNameSubstitution"},  
 "switchComponents": {  
 "read" : "montage/ui/text.reel"  
 "edit" : "montage/ui/input-text.reel"  
 }  
 "switchValue": "read"  
 },  
 "bindings": {  
 "value": {  
 "<-": "@customer.name"  
 }  
 }  
 }  
}  
</script>  
  
<body>  
 Customer name: <div data-montage-id="customerNameSubstitution"></div>  
</body>

## 组件模板参数

CustomComponent组件可以使用一个模板参数来替换它里面的内容。模板参数是指具有 data-arg属性的DOM节点。这个节点被标识成一个占位符，它的具体内容由外部的使用者提供。

<script type="text/montage-serialization">{  
 "CustomComponent": {  
 "prototype": "my/custom-component.reel",  
 "properties": {  
 "element": {"#": "CustomComponent"}  
 }  
 }  
 "text": {  
 "prototype": "montage/ui/text.reel",  
 "properties": {  
 "element": {"#": "text"},  
 "value": "I'm included."  
 }  
 }  
}</script>  
  
<body>  
 <div data-montage-id="CustomComponent">  
 <!-- inner template -->  
 <span data-montage-id="text"></span>  
 </div>  
</body>

CustomComponent 的模板: my/custom-component.reel/custom-component.html

<script type="text/montage-serialization">{  
 "owner": {  
 "prototype": "my/custom-component.reel"  
 }  
}</script>  
  
<body>  
 <div>  
 <!-- template argument to be replaced by inner template -->  
 <span data-arg="\*"></span>  
 </div>  
</body>