

ZK 8

Shadow Components

Shadow Components

- The shadow component which is like shadow DOM
- It neither creates a corresponding component on the server side nor a widget on the client side.
- It just injects its child components inside into current page.
- It unifies component reuse way in the previous versions
 - macro, <include>, composition

Shadow Components

How it works:

- Shadow Tree at server side
(NO widgets and DOM nodes at client side)
- Control `<template>` instantiation (& disposition)
- Static and Dynamic composition

```
<if test="{user.isAdmin}">...</if>
```

```
<if test="@load(vm.editable)">...</if>
```

Shadow Components

- `<forEach>`
 - allows you to iterate over a collection of objects.
 - Specifying the collection object by the `items` attribute,
 - access the current item by the `each` variable with EL.

```
<forEach items="@load(vm.dataList)">  
  <groupbox>  
    <label value="@load(each)"/>  
  </groupbox>  
</forEach>
```

Shadow Components

- `<choose>` `<when>` `<otherwise>`
 - Like `switch`, `case`, `default` in Java
 - performs conditional block execution by the embedded `<when>` tag.
 - It renders the body of the first `<when>` tag whose test condition evaluates to true.

```
<choose>  
  <when test="@load(vm.mode eq 'tree')">  
    <tree/>  
  </when>  
  <otherwise>  
    <listbox/>  
  </otherwise>  
</choose>
```

Shadow Components

- `<if>`

- allows the conditional execution of its body according to the value of the *test* attribute.

```
<if test="@load(vm.isAdministrator)">  
  <div>This secrete message</div>  
</if>
```

Shadow Components

- `<apply>`

- executable tags to allow you to choose which *template* is to be applied, it will lookup the *template* inside-out recursively.
- Insert components inside the template in the current position.
- Do not create an extra ID space and an extra `<div>` enclosing its child components

```
<template name="default">  
  <label value="@load(title)"/>
```

```
</template>
```

```
<apply template="default" title="@load(vm.title)"/>
```

Shadow Components

- Examples

- permission.zul

- personList-*.zul

- hierarchy.zul

- Apply another template inside a template

Shadow Components

- Exercise

- personList-2-template.zul
- personList-3-template-templateuri.zul
- menu.zul