

ZK Training

MODULE 1-3
COMPONENT USAGES

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- Component Usage
- UI Pattern

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- Name
 - <tagname> ComponentClassName.java
- Attribute
 - Complete in
 https://www.zkoss.org/javadoc/latest/zk/org/zkoss/zul/Textbox.html

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Event

- O Check a component's owned doc: https://www.zkoss.org/wiki/ZK_Component_Reference
- Inherited:

 https://www.zkoss.org/wiki/ZK_Component_Reference/Base_

 Components/HtmlBasedComponent#Supported_Events
- o special https://www.zkoss.org/wiki/ZK_Component_Reference/Events

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https://www.zkoss.org/zkthemedemo/demo/



- Data display Grid, Listbox, Tree
 - Using ZK model object (ListModel, DefaultTreeModel) instead of Java standard collection
 - Better performance Render difference when calling add(), remove() instead of the whole collection
 - Render the model
 - Default template
 - Custom template
 - × renderer

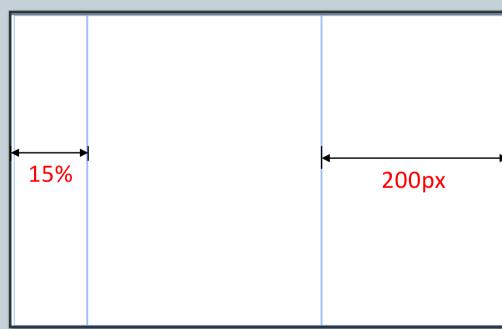
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How to use

```
<borderlayout id="layout">
    <west size="15%"></west>
    <center></center><!-- doesn't support size! -->
    <east size="200px"> </east>
```

</borderlayout>

Attribute	Value			
size	pixel(px)			
	percentage(%)			



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How to use

```
<borderlayout height="150px" width="250px">
    <center></center>
    <west minsize="50" splittable="true" size="80px" maxsize="100"></west>
</borderlayout>
                            adjustment range
```

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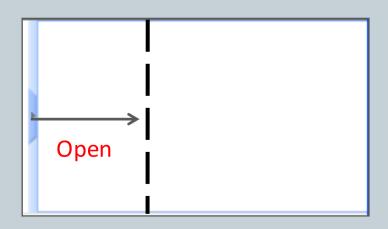
How to use

```
<borderlayout id="l">
     <west width="30%" title="west" collapsible="true" open="true"></west>
     <center></center>
```

</borderlayout>

Attribute	Value		
collapsible	true/false		
open	true/false		







How to use

</borderlayout>

▼ If I want to do some jobs while splitter collapsing (or opening) ...

Open collapse alert

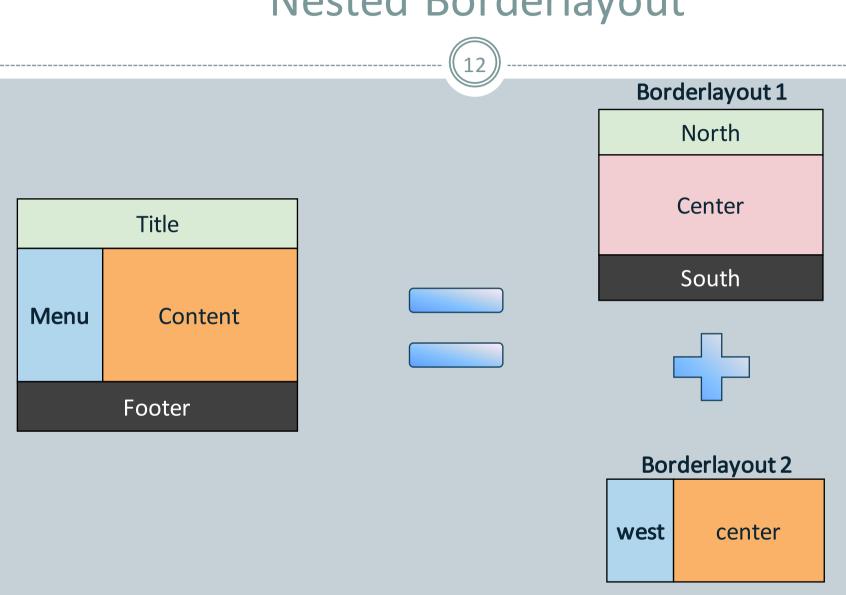
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Customization

Attribute	Value			<u> </u>			
border	normal/none					None B	order
margins	top, left, right, bottom						
style	CSS Style	A		margins	→		
	Background Color			•			

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Nested Borderlayout



Nested Borderlayout

```
<borderlayout id="outer">
    <north size="15%">
    </north>
    <center>
        <borderlayout id="inner">
            <west size="30%">
            </west>
                                           Inner Borderlayout
            <center>
            </center>
        </borderlayout>
    </center>
    <south size="100px">
    </south>
</borderlayout>
```

When to use an Ajax Layout?

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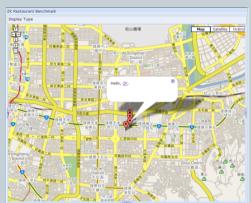
- You need your layout to be elastic, Both your application and user can control it.
- You need a 2.5 Dimensions UI to present more UI parts(next page).
- Layout can be changed in a very dynamic way.

Why Borderlayout



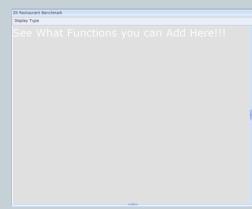




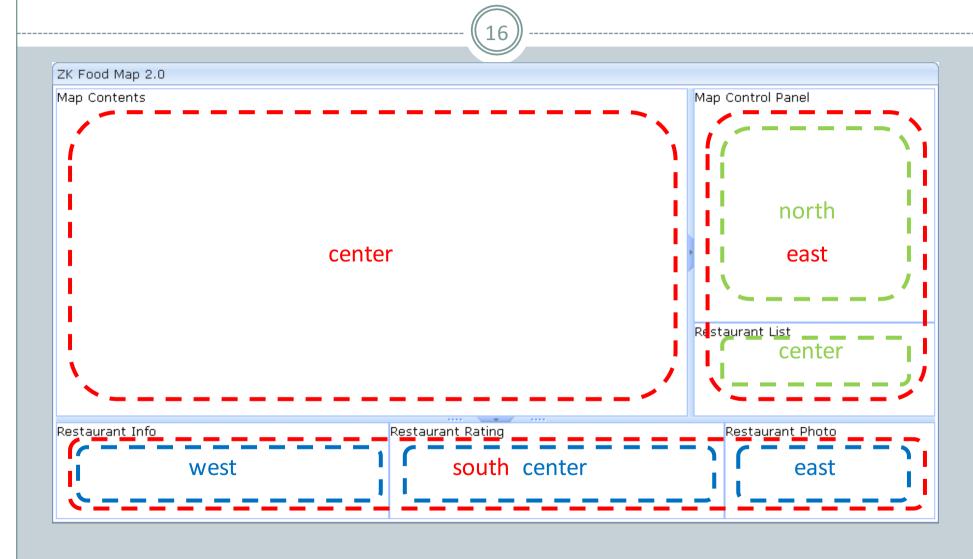








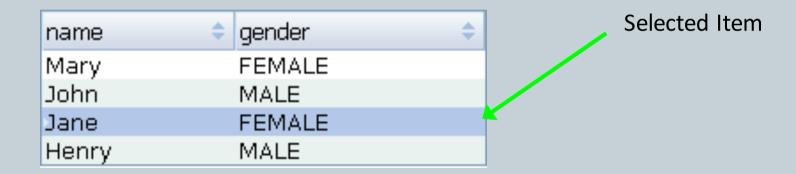
Borderlayout Example



What is Listbox?

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 Layout your components into a tabular style like the Grid but with a concept of selected item



How to build a Listbox?

```
<listbox width="400px">
   <listheader label="name"/>
      <listheader label="gender"/>
   </listhead>
                                                   gender
                                         name
                                                   FEMALE
                                         Mary
   <listitem>
                                         John
                                                   MALE
                                         Jane
                                                   FEMALE
       <listcell label="Mary"/>
                                                   MALE
                                         Henry
       <listcell label="FEMALE"/>
   </listitem>
</listbox>
```

Customize Listbox

<listbox width="400px"> <listheader label="name"/> <listheader label="gender" image="/img/home.gif"/> </listhead> <listitem> <listcell label="Mary"/> <listcell label="FEMALE"/> </listitem> </listbox> gender name name Mary **FEMALE** Mary **FEMALE** MALE John MALE John **FEMALE FEMALE** Jane Jane Henry MALE MALE Henry

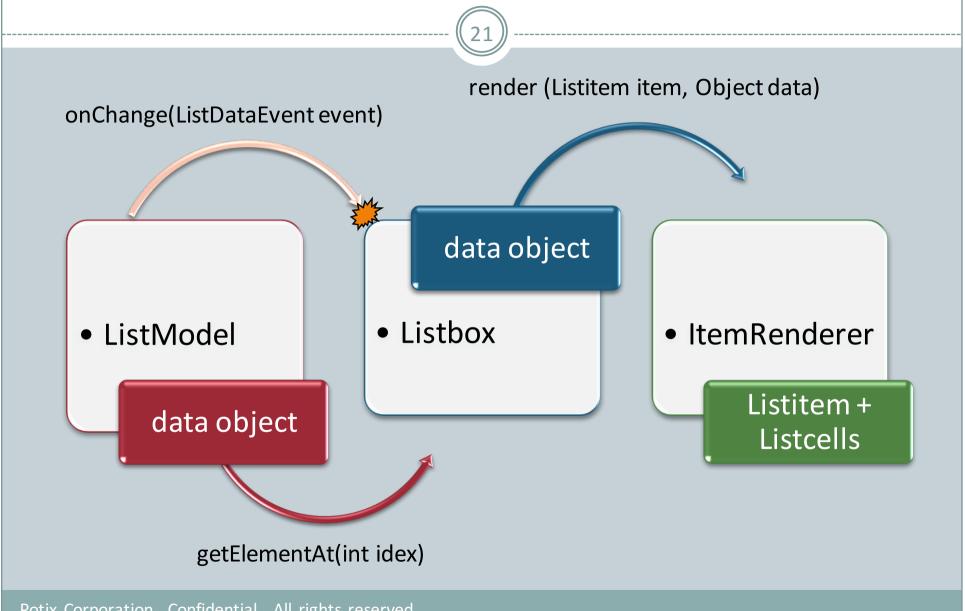
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ListModel & ListitemRenderer



- How to set Model to your Listbox?
- Tell Listbox how to render each entry

ListModel & ListitemRenderer



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Conclusion of ListModel & Renderer



- The concept came from Swing
- Most ZK Collection Components support this
 - Tree, TreeModel & TreeitemRenderer
 - Combobox, ListModel & ComboitemRenderer
 - GroupModel of Listbox & Grid

Component Set



- 3 different component sets
 - Use them with XML namespace
 - O Zul <zk xmlns:z="zul">
 - O Xhtml <zk xmlns:x="xhtml">
 - O Native <zk xmlns:n="native">

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Q&A