

Task user interface

Introduction

To define the user interface for a task, a .zul file must be located at the ui directory, and the corresponding task tag should be located at ui.xml file.

The user interface must be a ZK .zul page. This zul page must contain a task tag. This custom ZK tag is needed to properly manage the user interface behaviour.

Attributes

The task component extends `es.caib.bpm.ui.WorkflowWindow` and it has the following custom attributes:

| Attribute | Description |
|----------------------|--|
| canAddAttachments | a true value enables the user to upload files attached to the process instance |
| canDeleteAttachments | a true value enables the user to delete attached files from the process instance |
| task | read only attribute that exposes current task information |
| processInstance | read only attribute that exposes current process information |
| signatureHandler | read only handler responsible for recognized signature generation. |
| engine | read only BPM engine handler |

Events

The task component will receive some custom events:

| Event | Description |
|-------|-------------|
|-------|-------------|

| | |
|----------------------|---|
| onLoad | The task information has been loaded on the task component |
| onSave | The task information is going to be persisted |
| onPrepareTransition | A transition is going to be performed. The transition name is sent as event data If the event launches a <code>UserWorkflowException</code> , the transition will be cancelled |
| onCompleteTransition | A transition is performed. The transition name is sent as event data |
| onTabSelected | The task tab has been selected or deselected. The tab id is sent as event data |

In order to show or modify task attributes, the task tag is included in a data model context that eases components data binding.

See [ZK Data Binding](#) for details.

Example

Here is a sample zul page used to authorize synchronization servers connection.

```
<zk xmlns="http://www.zkoss.org/2005/zul"
  xmlns:h="http://www.w3.org/1999/xhtml"
  xmlns:zk="http://www.zkoss.org/2005/zk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.zkoss.org/2005/zul http://www.zkoss.org/2005/zul/zul.xsd">
  <task id="window" width="600px">
    <attribute name="onPrepareTransition">
      item = lb.selectedItem;
      if (item == null || item.value.length() == 0) {
        throw new es.caib.bpm.toolkit.exception.UserWorkflowException("Request must be approved or
denied");
      }
    </attribute>
    <grid fixedLayout="true">
      <columns visible="false">
        <column width="180px">Attribute</column>
        <column>Value</column>
      </columns>
```

```

<rows>
  <row>
    <label value="User" />
    <hbox width="100%">
      <!-- Display task's attribute user -->
      <textbox width="98%"
        readonly="true" bind="/user" />
    </hbox>
  </row>
  <row>
    <label value="Name" />
    <hbox width="100%">
      <!-- Display task's attribute name -->
      <textbox width="98%"
        readonly="true" bind="name" />
    </hbox>
  </row>
  <row>
    <label value="Surname" />
    <hbox width="100%">
      <!-- Display task's attribute surname -->
      <textbox width="98%"
        readonly="true" bind="/surname" />
    </hbox>
  </row>
  <row>
    <label value="Server name" />
    <hbox width="100%">
      <!-- Display task's attribute hostname -->
      <textbox width="98%"
        bind="/hostname" readonly="true" />
    </hbox>
  </row>
  <row>
    <label value="Approve" />
    <hbox width="100%">
      <!-- Listbox bound to task's attribute approve.
        Any change will be stored on the task -->
      <listbox id="lb" width="98%" mold="select" bind="/approve">
        <listitem value="">
          <listcell label="Select an action to do"/>

```

```
</listitem>
<listitem value="yes">
  <listcell label="Approve"/>
</listitem>
<listitem value="no">
  <listcell label="Reject"/>
</listitem>
</listbox>
</hbox>
</row>
</rows>
</grid>
</task>
</zk>
```

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