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Usages

- Used to extend types of pages/UI elements available in [Userview Builder](#).
- A useable Userview Menu plugin must extends `org.joget.apps.userview.model.UserviewMenu` abstract class.

Abstract Class

`org.joget.apps.userview.model.UserviewMenu`

- Under `wflow-core` module
- Extended `org.joget.plugin.base.ExtDefaultPlugin`. Please refer to [Plugin Base Abstract Class and Interface](#).
- Implemented `org.joget.plugin.property.model.PropertyEditable`. Please refer to [Plugin Base Abstract Class and Interface](#).
- A base abstract class to develop a Userview Menu plugin.

Field Detail

Constants

REDIRECT_URL_PROPERTY

```
public static final java.lang.String REDIRECT_URL_PROPERTY = "userviewRedirectUrl";
```

Property key to set a url for redirection.

REDIRECT_PARENT_PROPERTY

```
public static final java.lang.String REDIRECT_PARENT_PROPERTY = "userviewRedirectParent";
```

Property key to set the redirection target to parent window. The property expecting "true" or "false" as value.

ALERT_MESSAGE_PROPERTY

```
public static final java.lang.String ALERT_MESSAGE_PROPERTY = "userviewAlertMessage";
```

Property key to set a alert message to show when a page loaded.

Method Detail

Abstract Methods

getCategory

```
public abstract java.lang.String getCategory()
```

Category to be displayed in Userview Builder palette

getIcon

```
public abstract java.lang.String getIcon()
```

Icon path to be displayed in Userview Builder palette

getRenderPage

```
public abstract java.lang.String getRenderPage()
```

Get render HTML template for UI

isHomePageSupported

```
public abstract boolean isHomePageSupported()
```

Used to determine this menu item can used as home page or not.

getDecoratedMenu

```
public abstract java.lang.String getDecoratedMenu()
```

Get Decorated menu HTML for rendering.

Overridable Methods

getMenu

```
public java.lang.String getMenu()
```

Get menu html for rendering. It will call getDecoratedMenu method to retrieve the menu HTML. If empty value is return, a default menu HTML will be generated based on getURL method and "label" property.

getJspPage

```
public java.lang.String getJspPage()
```

Get path of JSP file to render the HTML template. If this value is not NULL, value returned by getRenderPage will be ignored.

It is used to use the system predefined template for rendering. Options are as following:

- userview/plugin/datalist.jsp

- `userview/plugin/form.jsp`
- `userview/plugin/runProcess.jsp`
- `userview/plugin/unauthorized.jsp`

Utility Methods

`getUrl`

```
public java.lang.String getUrl()
```

Gets URL of this menu

`setUrl`

```
public void setUrl(java.lang.String url)
```

Sets URL of this menu

`getKey`

```
public java.lang.String getKey()
```

Gets userview key of this menu

`setKey`

```
public void setKey(java.lang.String key)
```

Sets userview key of this menu

`getRequestParameters`

```
public java.util.Map getRequestParameters()
```

Gets request parameters

`setRequestParameters`

```
public void setRequestParameters(java.util.Map requestParameters)
```

Sets request parameters

`getRequestParameter`

```
public java.lang.Object getRequestParameter(java.lang.String requestParameter)
```

Convenience method to get a parameter value

`getRequestParameterString`

```
public java.lang.String getRequestParameterString(java.lang.String requestParameter)
```

Convenience method to get a parameter String value.

Return Empty string instead of NULL.

`getReadyJspPage`

```
public java.lang.String getReadyJspPage()
```

Used by the system to retrieve the JSP file page to avoid the logic to run again. It will called the `getJspPage` method once to initial the value.

`getReadyRenderPage`

```
public java.lang.String getReadyRenderPage()
```

Used by the system to retrieve the HTML template to avoid the logic to run again. It will called the `getRenderPage` method once to initial the value.

`getUserview`

```
public org.joget.apps.userview.model.Userview getUserview()
```

Gets the userview which this menu is belongs to.

`setUserview`

```
public void setUserview(org.joget.apps.userview.model.Userview userview)
```

Sets the userview which this menu is belongs to.

setRedirectUrl

```
public void setRedirectUrl(java.lang.String redirectUrl)
```

Set this property to force the userview to redirect to a specific URL.

setRedirectUrl

```
public void setRedirectUrl(java.lang.String redirectUrl, boolean redirectToParent)
```

Set this property to force the userview to redirect to a specific URL with option to redirect in the parent window.

setAlertMessage

```
public void setAlertMessage(java.lang.String message)
```

Set this property to display an alert message/prompt.

Plugin Properties Options

- Please refer to [Plugin Properties Options](#) for more information.

Mandatory Property

id

- All Userview Menu Plugin must has this property appear in the Properties Options JSON.
- This is used by the system to store the dynamic generated UUID.

```
{
  name : 'id',
  label : 'ID',
  type : 'hidden'
}
```

customId

- All Userview Menu Plugin must has this property appear in the Properties Options JSON.
- This is used for admin user to key in a desired menu id.

```
{
  name : 'customId',
  label : '@@userview.datalistmenu.customId@@',
  type : 'textfield',
  regex_validation : '^[a-zA-Z0-9_]+$',
  validation_message : '@@userview.datalistmenu.invalidId@@'
}
```

label

- All Userview Menu Plugin must has this property appear in the Properties Options JSON.
- This is used for admin user to key in a display label for the menu.

```
{
    name : 'label',
    label : '@@userview.datalistmenu.label@@',
    type : 'textfield',
    required : 'True',
    value : 'List'
}
```

Userview Menu Plugin Template Sample

Following is a sample menu template of a [HTML Page menu](#) element. It is constructed using [FreeMaker](#) syntax. This template will be used and returned by [getRenderPage](#) method.

```
public String getRenderPage() {
    PluginManager pluginManager = (PluginManager) AppUtil.getApplicationContext().getBean("pluginManager");

    Map dataModel = new HashMap();
    dataModel.put("element", this);

    return pluginManager.getPluginFreeMarkerTemplate(dataModel, getClassName(), "/templates/htmlPageMenu.ftl", null);
}
```

```
<div class="ui-html">
    ${element.properties.content!}
</div>
```

Explanations

- There are no specify format need to follow.
- Please take note that your html template need to disable all user action when it is in preview mode. You decide it is preview mode or not by following code:

```
"true".equals(getRequestParameterString("isPreview"))
```

Tutorials

- [Guideline for Developing a Plugin](#)
- [How to develop a Gantt Chart Userview Menu](#)

Related Community Plugins

- **List Menu**
org.joget.apps.userview.lib.DataListMenu (wflow-core)
- **Form Menu**
org.joget.apps.userview.lib.FormMenu (wflow-core)
- **HTML Page**
org.joget.apps.userview.lib.HtmlPage (wflow-core)
- **Inbox**
org.joget.apps.userview.lib.InboxMenu (wflow-core)
- **Link**
org.joget.apps.userview.lib.Link (wflow-core)
- **Run Process**
org.joget.apps.userview.lib.RunProcess (wflow-core)