

# XCIPOPUPMENU - Enable Context Menus

With an XCIPOPUPMENU control, you enable the usage of context menus on a page. The application creates the contents of the context menus dynamically at execution time, in response to certain events. There is only one instance of XCIPOPUPMENU needed in each page.

Context menus are supported on the page level and by the following controls:

- TEXTGRID2
- TEXTGRIDSSS2
- TREENODE2
- CLIENTTREE

The following events are raised when the user right-clicks in corresponding areas of the page:

- When the user right-clicks in a non-empty line in a grid or tree, the event *value-of-griddata*prop.reactOnContextMenuRequest or *value-of-treecollection*prop.reactOnContextMenuRequest is raised.
- When the user right-clicks in an empty line in a grid or tree, the event defined in the property *contextmenumethod* of the grid or tree is raised.
- When the user right-clicks elsewhere in the page, the event defined in the *contextmenumethod* of the page is raised.

In the event handler of these events, you do not have to necessarily open a context menu; you can also start other operations, if this makes sense. But in order to open a context menu, you need to fill the structure generated for the XCIPOPUPMENU control, which is described below.

If the user selects one of the context menu items, the event `xcipopupmenu.reactOnSelect` is raised.

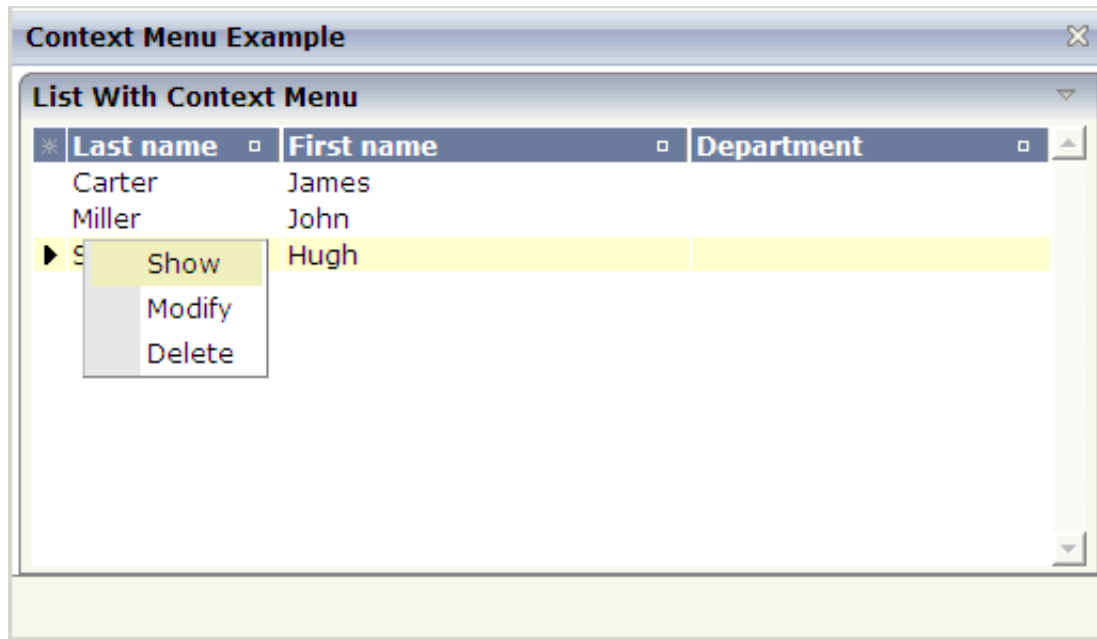
This chapter covers the following topics:

- Example
- Adapter Interface
- Built-in Events

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## Example

The following screen displays a grid control with several rows. It uses the XCIPOPUPMENU control to show a context menu when the user right-clicks on a row. It shows a different context menu when the user right-clicks in an empty area of the grid and yet another one when the user right-clicks elsewhere in the page.



The XML layout definition contains the following:

```
<natpage>
  <xcipopupmenu>
  </xcipopupmenu>
  ...
</natpage>
```

The example Natural code is contained in the library SYSEXNJX as program CTRCTX-P.

## Adapter Interface

```
DEFINE DATA PARAMETER
1 XCIPOPUPMENU
2 MENUNODE (1:*)
3 ID (A) DYNAMIC
3 IMAGE (A) DYNAMIC
3 LEVEL (I4)
3 REFERENCE (A) DYNAMIC
3 TEXT (A) DYNAMIC
2 ORIGINATORQUERY (A) DYNAMIC
2 SELECTEDREFERENCE (A) DYNAMIC
END-DEFINE
```

A menu is reflected by a tree of menu nodes. Each menu node is represented by an ID, a TEXT, an optional IMAGE and a REFERENCE value. When the user selects a menu item, the REFERENCE value of that menu item is then returned in the parameter SELECTEDREFERENCE.

The value of ORIGINATORQUERY is normally not used by Natural applications. The selected line can easier be determined with an NJX:EVENTDATA control.

## Built-in Events

`xcipopupmenu.reactOnSelect`