



Leave a trail for
others to follow

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Agenda

- Introduction
- Overview
- Basic page tracking
- Working with Views
- Working with Repeatcontrols
- Question



Introduction

- Started with Notes V2.1 in 1989
- Have been a certified Developer, Admin and Instructor.
- Wrote the Lotus Intermediate XPage course
- An author on 3 Redbooks
 - Including the 1st Redbook Wiki!
 - Starting on the 4th, Xpage Dev Best Practices
- Currently working on a NOAA website to track the effects of the oil spill in the gulf.
- Learned a bit about the anatomy of a dolphin



Overview

- Breadcrumbs is a trail of pages
- Make it easy for a user to find their way back.
- A must if you have a deep site
- Fairly easy to do till users want to return to the same place in a view.

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Demo - Breadcrumbs



Basic Page Tracking

- Build an stack with each page's URL & title
- As each pages is baded:
 - Push it's name and URL to the stack
 - If a page exists in the stack, truncate stack.



Javascript - xpB readcrumb.js

```
// Initialize the stack if no entries yet
if (namestr==null) {
    var namearr = new Array();
    var tmp = namearr.push(pgname);
    var linkarr = new Array();
    var tmp = linkarr.push(pglink);
} else {
    if (namestr.indexOf("~")==-1) {
        var namearr = new Array(namestr);
        var linkarr = new Array(linkstr);
    } else {
        var namearr = namestr.split("~");
        var linkarr = linkstr.split("~");
    }
}
```



JS – check if page is found

```
//check if returning to this page  
var found = false;  
for (var i = 0; i < namearr.length; i++) {  
    if (namearr[i]==pgname) {  
        namearr = namearr.slice(0,i+1);  
        linkarr = linkarr.slice(0,i+1);  
        var found = true;  
    }  
}
```



JS – New page so store it

```
if (found==false) {
    tmp = namearr.push(pgname);
    tmp = linkarr.push(pglink);
}
} // from else
if (namearr.length==1) {
    sessionScope.put("BCNames", namearr[0]);
    sessionScope.put("BCLinks", linkarr[0]);
} else {
    sessionScope.put("BCNames", namearr.join("~"));
    sessionScope.put("BCLinks", linkarr.join("~"));
}
```



Display the trail

- Just display the stack
- Last entry is current page so don't show a link
- You can display the trail with:
 - Computed link
 - Repeat control
 - Computed field
 - Use your imagination



Using computed field

- To get just one entry:
 - `function getBreadcrumbLabel(pointer)`
 - `function getBreadcrumbURL(pointer)`
- Get all as HTML links

```
function getBreadcrumbHTML
for (var i = 0; i < namearr.length; i++) {
    if (i+1==namearr.length) { // last is current page
        bhtml = bhtml+(bhtml==" " ? "" : " > ") + namearr[i];
    } else {
        bhtml = bhtml+(bhtml==" " ? "" : " > ") + "<a href=' "
            + linkarr[i] + "' />" + namearr[i] + "</a>";
    }
}
return bhtml;
```



Working with Views

- Users want to return to the same place in views
- Need to find where you are in the view
- Need way to return to the same page or row
- Need to save the title and url
- Use a url to pass the position in the view

`weebles/doc/Notesininsf/viewAllDocuments.xsp?viewpage=12`



Find the place in view

```
function getViewPage (vmCnt) {  
var vwControl=getComponent (vmCnt) ;  
if ( vwControl==null) {return false;}  
var total=vwControl.getRowCount() ; // Total rows in view  
var from=(vwControl.getFirst() < total? (vwControl.getFirst())  
+ 1 : total) ;  
var rowsperpage=vwControl.getRows() // how many rows are  
displayed  
var curpage = @Integer(Math.ceil (from/rowsperpage)) ;  
  
sessionScope.bcViewPnt = vwControl.getFirst() ;  
sessionScope.bcPage = curpage ;  
sessionScope.bcPagerCtrl = pagectrl ;  
}
```



When to get the title

- Use the `afterpagebad` event

```
var pgnname = compositeData.Title;
```

```
if (pgnname=="") {
```

```
    pgnname = "Subject"
```

```
}
```

```
var pglink = context.getUrl();
```

```
UpdateBreadcrumb(pgnname, pglink);
```



View

- Now we need to tell the view where to start
- You can set the position in the view by page or row .
- By page will display the page as the user saw it
- By row will show the selected row at the top and set the pager to the correct page .



View – by row

- To go to a particular row
- Set the View property first to the row needed.

<input type="checkbox"/> data	
<input type="checkbox"/> data	xp:dominoView
first	# var pagenum = context.getUrlParameter("vi...
indexVar	
pageName	/formDocument.xsp
rows	20



View – by Page

- To go to a particular page :
- Use the pager control on the view to set the page

```
var viewcnt:com.ibm.xsp.component.xp.XspPager =  
getComponent("pager1");  
  
viewcnt.gotoPage(pgnmbr);
```
- Problem : you can only go to a page listed in the Pager
- Solution : Create a hidden pager with 999 pages



Hidden Pager

- Select footerpager
- Add the following code in source view :

```
<xp:pager
  id="HiddenPager" for="viewPanel1"
  PageCount="999" xp:key="hidPager"
  style="float:left">
  <xp:pagerControl
    id="pagerControl14" type="Group"
    style="color:rgb(255,255,255);font-size:0pt">
  </xp:pagerControl>
</xp:pager>
```



Demo – View Control

- View demo



Working with RepeatControls

- Similar to a view but different.
- You can use the hidden pager method

```
var pagecnt:com.ibm.xsp.component.xp.XspPager =  
getComponent("pager1");
```

```
pagecnt.gotoPage(pgnmbr);
```

- Or set the Starting Index field on the Repeat



Demo Repeat control

Let's go back at all the code!



References

- OpenNTF.org – first place to look
- [ForView / PagerControl information](#)
 - www.mydominolab.com
 - xpages.info
 - www.xpagecontrols.com
 - www.jmackey.net



Questions?

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