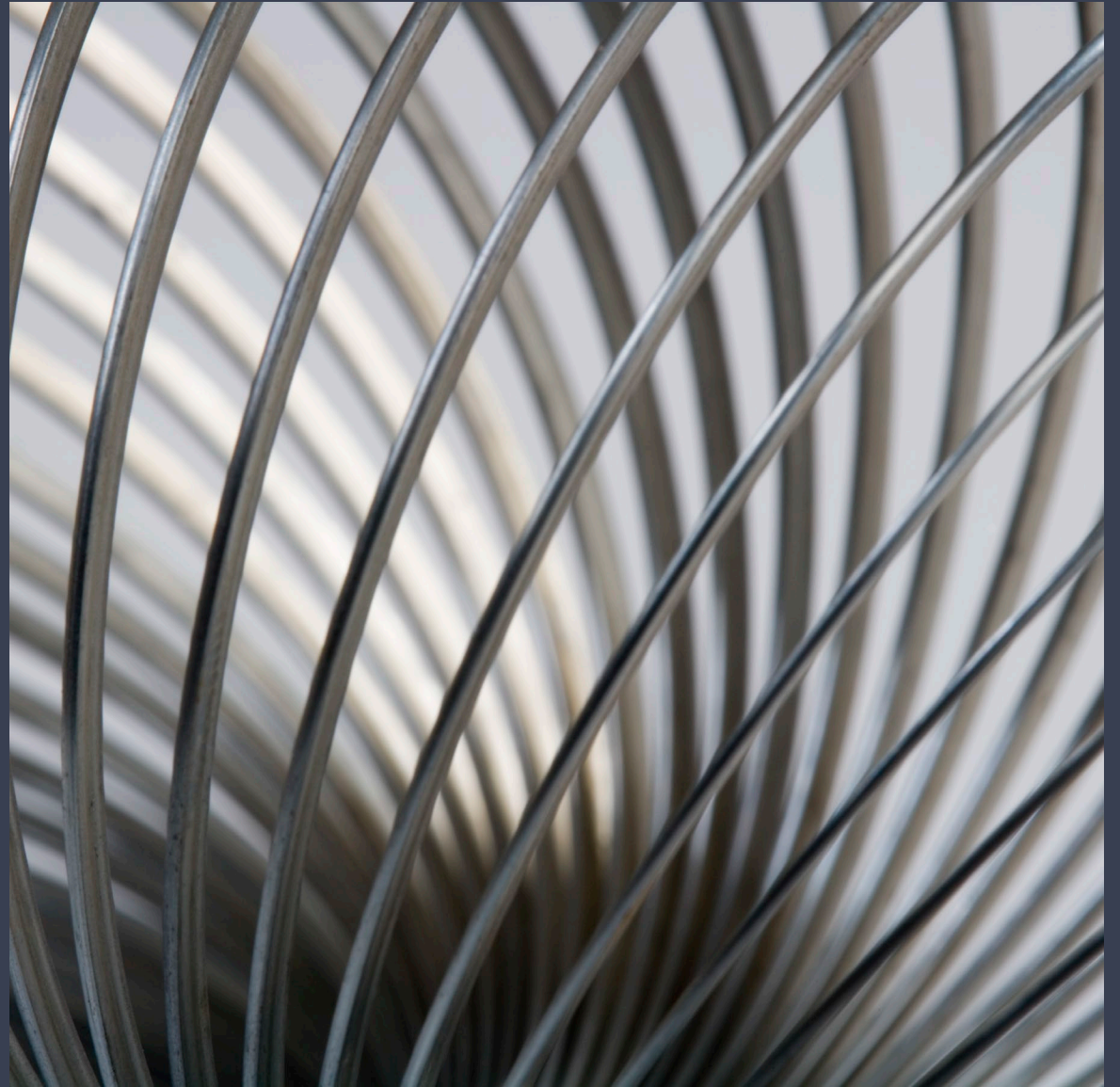NUGM 2024

CUSTOMIZING WEB FUNCTIONS

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AGENDA

- Introduction

- Adding Fields to Cross-Reference Displays

- Adding Fields to Portal Pages

- Adding Fields and Links to a HyperQueries

- Adding Data Bound Fields to Web Functions/User Controls

- Adding Linked Columns to Grids

- Using JavaScript Injection

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INTRODUCTION

- What web page content can be changed without Visual Studio?

  - Move or delete data in the .aspx file

  - Add or change Labels and Dictionaries from the Dataset

  - Change the data displayed in the BTO_Read code

- PageViewFilter presents different web page views to users in different roles

  - This is a Web Tool available to users in the DEVELOPER role

  - Controls can be hidden, Text can be changed

  - SYS.WEB.HOWTOS | WEB.PAGE.FILTER

  - INTRO.WEB.COURSE | Web Site Tailoring | Role-Based Page View Filters & Workshop

- Web Menus can be modified in MENU.BUILD and DEFINE.WEB.LINKS

  - See the Virtual session for Tailoring Web Portals from October

  - INTRO.WEB.COURSE | Web Site Tailoring | Tailoring Web Menus & Workshop

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ADDING FIELDS TO CROSS-REFERENCE DISPLAYS

- Web page cross-reference results use the fields defined in DISPLAY.CTL.BUILD

- Note that a file can have different display paths

  - Enter ?? at the Path Name prompt

- To find which path is being used, look for the Dr_Xref_Display_Path value in the .aspx page

- You can modify the standard display or make a custom DISPLAY.CTL record for the web

- If you create a different record, you must change the Dr_Xref_Display_Path value in the .aspx page

  - This can be done in Notepad or another plain text editor

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ADDING FIELDS TO PORTAL PAGES

- What is a Portal Page?

    - Everything listed in the web site in the ROIPortals folder

    - Most of the Portal Pages end in "Portal", e. g. CustomerPortal, WelcomePortal, SoPortal

    - Some do not, e. g. MasterScheduler, PlannerScheduler, WoStatus

- Use DEFINE.PORTAL.VEW to add the Dictionary Name for the fields to display

    - There are different display fields for different User Roles

    - Your Primary Role in CONTACTS determines which Display Path is used

- The .aspx file must be modified

    - Add a div tag, a label and a textbox for the new dictionary

    - Copy, paste and modify an existing field

- Demo

ADDING FIELDS AND LINKS TO HYPERQUERIES

- How do you recognize a HyperQuery web function?

  - About 60 standard HyperQuery functions (e.g. ArCheckInquiry)

  - The results display in a grid

  - There are links for Start Page, Filter, Excel, Word and Printer Friendly

  - In the .aspx page, you will see roiHyperQueryControl and a list of roi:dbFieldName tags as DisplayFields

- Fields can be added by using roi:dbFieldName and specifying the dictionary for any field in the file listed in the FileName attribute

- Links can be added by using roi:LinkInfo in a LinkInfo tag and specifying the properties for URL, OnField, PassField, PassAs, Title and Target

- Demo

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ADDING DATABOUND FIELDS TO WEB FUNCTIONS/USER CONTROLS

- What is the difference between a Web Function and a User Control?

  - Web Functions present an entire page. User Controls present a portion of a page.

  - User Controls are used to present common information in multiple pages.

  - Web function pages end in .aspx and User Controls end in .ascx.

  - Projects for User Controls are found in the Module folders and end with "Module", e. g. SoModule in the SOP folder, ShrModule in the SHR folder.

- To add a field, you can copy an existing <tr></tr> row and change the properties

  - Label properties for id and text

  - TextBox property for id and the DataBinder.Eval dictionary

- Demo

ADDING LINKED COLUMNS TO GRIDS

- Works for Web Functions that contain a component for asp:GridView

- It is best to find an example (e.g. SoLineItems)

- New columns can be added using asp:BoundField tags

  - Copy and change the necessary attributes

    - ItemTemplate: DataField, HeaderText, SortExpression,

    - ItemStyle: HorizontalAlign

- New Linked columns can be added using asp:TemplateField tags

  - Copy and change the necessary attributes

    - TemplateField: HeaderText, SortExpression

    - HyperLink: Id, NavigateURL, Text , ToolTip

    - ItemStyle: HorizontalAlign

- This method will **<u>not</u>** work in Web Functions that build the NavigateURL in the Code Behind

USING JAVASCRIPT INJECTION

- Use JavaScript injection to add capabilities to Web Functions without customizing the web page

- FN.BUILD, Screen 2, Prompt 10 for Additional Parameters
  - Use Prompt 9 for custom JavaScript

- This example creates a button that displays the results of MSO 1107S

- This makes a specific MSO display accessible and obvious to the user without enabling access to all MSOs

- Demo

```
<script>
        $j(document).ready(function () {
                var newButton =
document.createElement("button");
                newButton.type = "button";
                newButton.innerText = "Sales Orders";

document.getElementById("scnDisplay").appendChild(new
Button);
                newButton.addEventListener("click",
goSoSearch);
        })
        function goSoSearch() {
                m2kShowMSO("1107S", "Orders for this
Part");
        };
    </script>
```

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THANK YOU

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