

# Rapid XPages Development





**Howard Greenberg**  
**The Learning Continuum**  
**Company - TLCC**

**Email: [howardg@tlcc.com](mailto:howardg@tlcc.com)**

**Twitter: [@TLCCLtd](https://twitter.com/TLCCLtd)**

**#XPages**



- Seven XPages Courses!

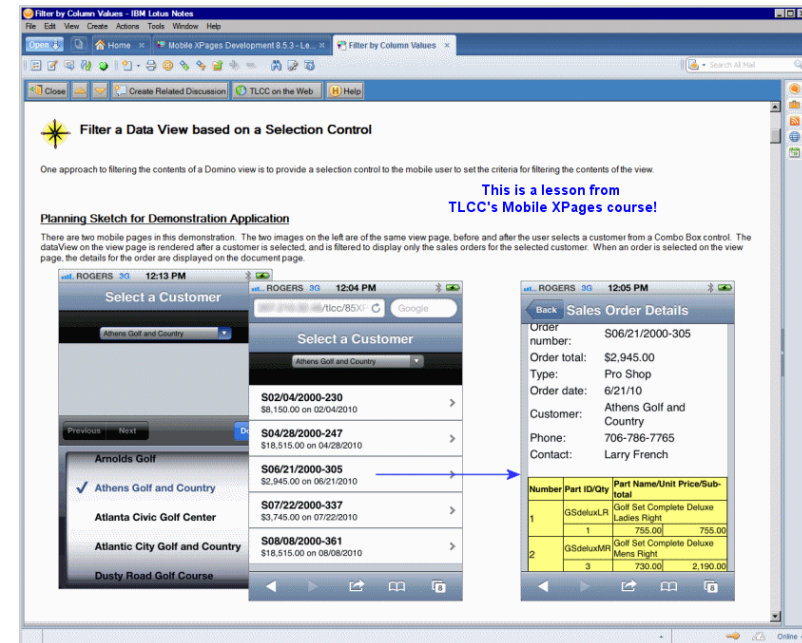
- **NEW!** Rapid XPages Development using Application Layout and Dojo UI Controls
- **FREE !!** Introduction to XPages Development
- JavaScript for XPages Development
- Developing XPages Using Domino Designer 8.5
- XPages Development 2 for Notes and Domino 8.5
- Mobile XPages for Domino 8.5
- Java 1 for XPages Developers

- Self Paced Training

- Learn anywhere!
- An Instructor is a click away

- Instructor Led (Private)

- TLCC Mentoring Services



**Filter by Column Values - IBM Lotus Notes**

Filter a Data View based on a Selection Control

One approach to filtering the contents of a Domino view is to provide a selection control to the mobile user to set the criteria for filtering the contents of the view.

This is a lesson from TLCC's Mobile XPages course!

**Planning Sketch for Demonstration Application**

There are two mobile pages in this demonstration. The two images on the left are of the same view page, before and after the user selects a customer from a Combo Box control. The dataView on the view page is rendered after a customer is selected, and is filtered to display only the sales orders for the selected customer. When an order is selected on the view page, the details for the order are displayed on the document page.

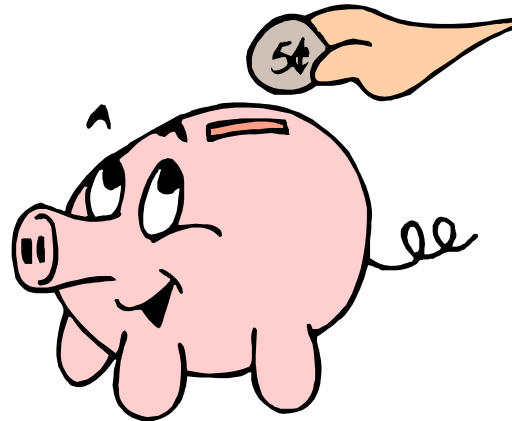
Number	Part ID/Qty	Part Name/Unit Price/Sub-total
1	GSdeluxLR 1	Golf Set Complete Deluxe Ladies Right 755.00
2	GSdeluxMR 3	Golf Set Complete Deluxe Mens Right 730.00 2,190.00

## Special Offer for Attendees

---



- Special offer for Entwickler Kamp Attendees
  - 20% off on all TLCC courses
  - 5% off on any course on sale
- Go to [www.tlcc.com/entwickler](http://www.tlcc.com/entwickler) to get this offer



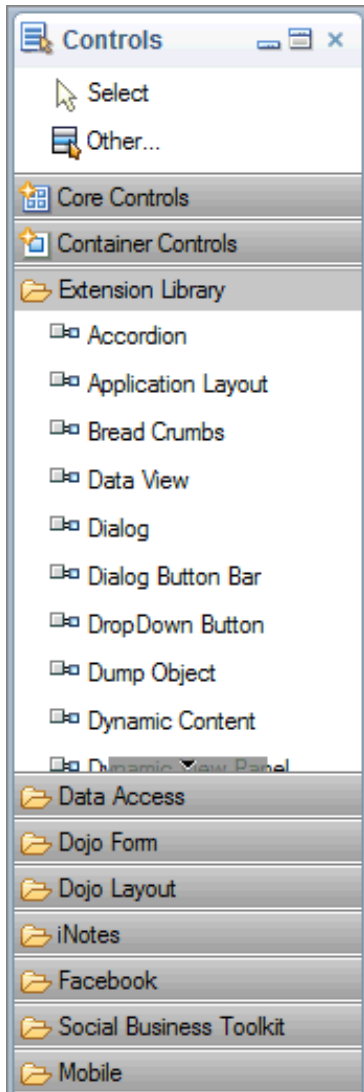
- Requirements and Terminology
- Form Table control
- Data View control
- Application Layout control
- Q & A



#XPages



# System Requirements

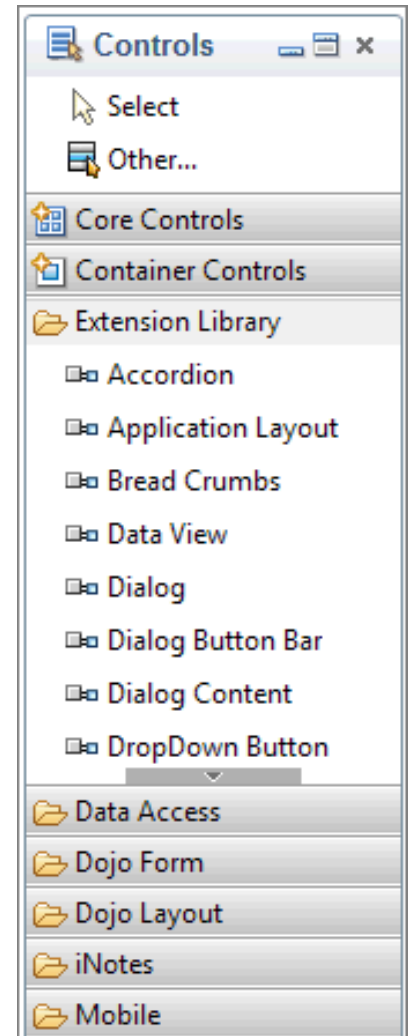


- **Domino Designer 8.5.3 and Domino Server 8.5.3**

- Upgrade Pack 1
- ← or
- 8.5.3 Extension Library

- **IBM Notes and Domino 9 beta**

- Upgrade Pack 1+ Included
- All you need



## Registration Form

Complete the fields below to register

<b>*First Name:</b> <input type="text"/>	<b>Address:</b> <input type="text"/>
<b>Last Name:</b> <input type="text"/>	<b>City:</b> <input type="text"/>
<b>Email:</b> <input type="text"/>	<b>Phone:</b> <input type="text"/>

**Note: OneUIV2 Theme is required to display the Form Table control**

## Tip: Validation and Form Tables



✘ Please check the following:

- Validation Error: Value is required.

### Registration Form

Complete the fields below to register

✘ Validation Error: Value is required.

\*First Name:

Last Name:

Email:

Submit

Cancel



# Procedure: Add a Form Table to an XPage ...



**Add Form Table to XPage**

The screenshot shows the XPage editor interface. At the top, there are two panels: [placeBarName] and [placeBarActions]. The [placeBarName] panel contains facets: LeftColumn, facetLeft, facetMiddle, and footerLinks. The [placeBarActions] panel contains facets: RightColumn and facetRight. A blue arrow points from the 'Form Table' option in the 'Extension Library' on the right to the 'facetMiddle' area in the design view. The 'Form Table' option is highlighted in the library.

The screenshot shows the XPage editor interface. The design view displays a registration form with a header, a title 'Registration Form', a description 'Complete the fields below to register', and a footer. The properties window for the 'Form Table' widget is open, showing various properties and their values.

Property	Value
<b>accessibility</b>	
legend	
<b>basics</b>	
binding	
disableErrorSummary	
disableRowError	
errorSummaryText	
fieldHelp	
formDescription	Complete the fields below to register
formTitle	Registration Form
id	formTable1
labelWidth	100px
loaded	
rendered	
rendererType	
<b>format</b>	
disableRequiredMarks	
labelPosition	left
<b>styling</b>	
disableTheme	above
style	left
styleClass	none
themeld	

... cont'd ...

# Procedure: Add a Form Table to an XPage ...



**Add Form Layout Row to Form Table**

1

2

3

Registration Form

Complete the fields below to register

First Name:

Last Name:

Email:

Form Layout Row

Name: formRow3

Visible:

Label Options

Select target control:

Label:

Label position:

... cont'd ...

# Procedure: Add a Form Table to an XPage



**Add action controls & set navigation**

**Button**

Name:	button4
Label:	Submit
Height:	Units: [ ]
Width:	Units: [ ]
Tab order:	[ ]

Options

Button type: Submit

Specify image for button

**XPage**

Name:	DemoXPage215Input
Next page (success or cancel):	DemoXPage215View
Next page (if update fails):	Same Page
Window behavior for navigation and links (Notes client only):	Use application default

Options

Page title: [ ]

Page icon: [ ]



## Activity: Form Table

---



### Setup:

1. Copy the NSF to your Domino Designer data directory
2. Sign the Application in Designer
  - right-click and choose **Application | Sign Design**
3. Test by previewing the MoblSim.xsp XPage in Chrome or Safari (if you have it)

### To do the Activity:

1. Edit the **Activity1\_FormTable**
2. Follow the comments on the XPage

Completed Activity: **DocXPage\_FormTable\_Complete**

# Data View control versus core View control



Customer	City	Contact	Phone
<a href="#">Arnolds Golf</a>	White Plains	Andy Arnold	914-555-9921
<a href="#">Athens Golf And Country</a>	Athens	Larry French	706-555-7765
<a href="#">Atlanta Civic Golf Center</a>	Atlanta	Julie Black	404-555-0999
<a href="#">Atlantic City Golf And Country</a>	Atlantic City	Harold Jones	609-555-9822
<a href="#">Columbus Golf And Country</a>	Columbus	Michael Morris	614-555-9324
<a href="#">Dusty Road Golf Course</a>	Toledo	Mark Leigh	419-555-9853
<a href="#">Fox Run Golf Course</a>	Burlington	Mark Morrow	802-555-1232
<a href="#">Gallop's Department Store</a>	Northfield	Arnold Gallop	609-555-7899
<a href="#">Green Meadows Golf Course</a>	Park Rapids	Dave Gallop	218-555-9875
<a href="#">Green Oaks Golf Course</a>	San Jose	Wendy Wase	



DemoXPage511View

Previous 1 | 2 | 3 | 4 | 5 Next

[Show Details](#) | [Hide Details](#)

	Contact	Phone
<b>Arnolds Golf</b>	Andy Arnold	914-555-9921
<b>Athens Golf And Country</b>	Larry French	706-555-7765
<b>Atlanta Civic Golf Center</b> 384 Woodward Way Northwest, Atlanta, GA	Julie Black	404-555-0999
<b>Atlantic City Golf And Country</b>	Harold Jones	609-555-9822
<b>Columbus Golf And Country</b> 2770 West Dublin Granville Rd , Columbus, OH	Michael Morris	614-555-9324
<b>Dusty Road Golf Course</b>	Mark Leigh	419-555-9853
<b>Fox Run Golf Course</b>	Mark Morrow	802-555-1232
<b>Gallop's Department Store</b>	Arnold Gallop	609-555-7899
<b>Green Meadows Golf Course</b>	Dave Gallop	218-555-9875
<b>Green Oaks Golf Course</b>	Wendy Wase	408-555-8693

Previous 1 | 2 | 3 | 4 | 5 Next

Show 10 | 25 | 50 | All items per page

# Data View Design Framework: Properties, Complex Properties and facets



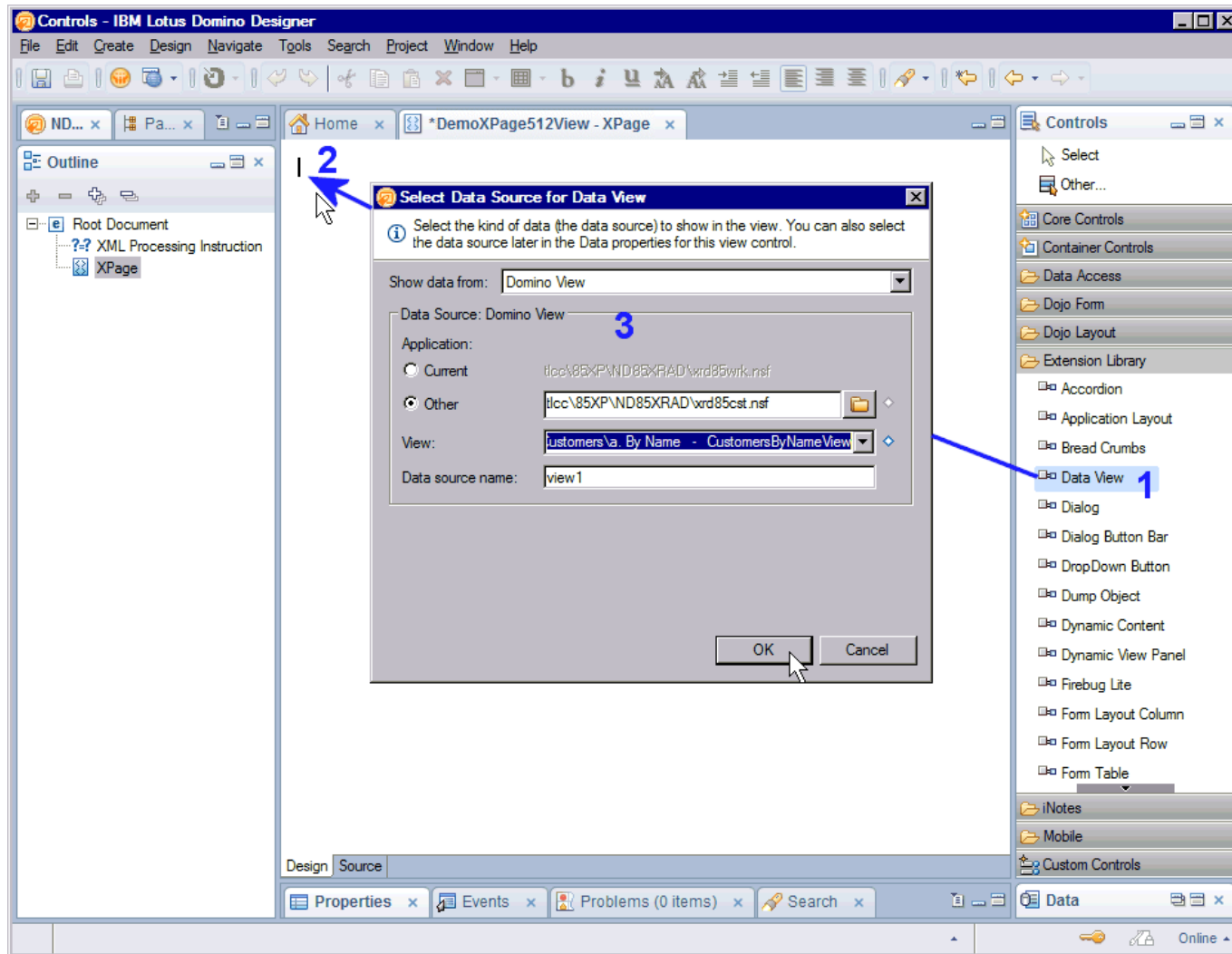
The screenshot displays the IBM Domino Designer interface for a Data View. The Outline pane on the left shows a tree structure with the following elements:

- Root Document
  - XML Processing Instruction
  - XPage
    - Data View: dataView1
      - xp.this facets (highlighted in blue)
        - Panel: detailsPanel
          - Computed Field: computedField1
          - Pager Sizes: pagerSizes1
          - Pager Show/Hide Details: pagerDetail1
          - Pager: pager1
        - xe.this data
          - Domino View
          - xe.this.summaryColumn
            - Summary Column
          - xe.this.extraColumns (highlighted in blue)
            - Extra Column
            - Extra Column

The Design pane shows a visual representation of the data view with various components like 'Category', 'Summary title', and 'Detail'. The Properties pane at the bottom shows a table of properties and their values:

Property	Value
accessibility	
basics	
data	
data	xp:dominoView
first	
indexVar	
openDocAsReadOnly	true
rows	10
value	
var	viewEntry
format	
categoryColumn	
collapsibleCategory	
collapsibleDetail	true
collapsibleRows	
columnTitles	true
disableHideRow	
extraColumns	
viewExtraColumn [0]	
viewExtraColumn [1]	
iconColumn	
multiColumnCount	
showCheckbox	
showHeaderCheckbox	
showItemsFlat	
summaryColumn	xe:viewSummaryColumn
styling	

# Procedure: Creating a Data View ...



The screenshot shows the IBM Lotus Domino Designer interface. A dialog box titled "Select Data Source for Data View" is open. The dialog contains the following fields:

- Show data from: Domino View
- Data Source: Domino View (3)
- Application:
  - Current: ticc\85XP\ND85XRAD\wrd85wrk.nsf
  - Other: ticc\85XP\ND85XRAD\wrd85cst.nsf
- View: CustomersBy Name - CustomersByNameView
- Data source name: view1

The "OK" button is highlighted. The "Data View" control is selected in the Controls palette (1). A blue arrow (2) points to the dialog title bar.

... cont'd ...

# Procedure: Creating a Data View ...



The screenshot displays the IBM Domino Designer interface for creating a data view. The Outline pane on the left shows the document structure: Root Document > XPage > Data View: dataView1 > xe.this.data > Domino View. The Design view shows a table with columns 'pagerTopLeft', 'pagerTop', and 'pagerTopRight'. Below these are rows for 'Category', 'categoryRow', 'icon', and 'Summary title', each with a 'summary' sub-row. The Properties pane at the bottom shows the 'Data View' properties for 'dataView1', with the 'var' property set to 'viewEntry'.

Property	Value
accessibility	
basics	
attns	
binding	
detailsOnClient	
expandedDetail	
id	dataView1
loaded	
pageName	
partialExecute	
partialRefresh	
refreshId	
removeRepeat	
rendered	
rendererType	
repeatControls	
data	
data	xp:dominoView
first	
indexVar	
openDocAsReadOnly	true
rows	10
value	
var	viewEntry
format	
categoryColumn	

... cont'd ...



# Procedure: Creating a Data View ...



Property	Value
<b>accessibility</b>	
<b>basics</b>	
<b>data</b>	
<b>format</b>	
categoryColumn	
collapsibleCategory	
collapsibleDetail	
collapsibleRows	
columnTitles	
disableHideRow	
extraColumns	
iconColumn	
multiColumnCount	
showCheckbox	
showHeaderCheckbox	
showItemsFlat	
summaryColumn	xe:viewSummaryColumn
<b>columnName</b>	Customer
columnTitle	
contentType	
converter	
headerStyle	
headerStyleClass	
href	
loaded	
style	
styleClass	
value	
<b>styling</b>	

Property	Value
<b>accessibility</b>	
<b>basics</b>	
<b>data</b>	
<b>format</b>	
categoryColumn	
collapsibleCategory	
collapsibleDetail	
collapsibleRows	
columnTitles	true
disableHideRow	
<b>extraColumns</b>	
viewExtraColumn [0]	
viewExtraColumn [1]	
<b>columnName</b>	Phone
columnTitle	Phone
contentType	
converter	
headerStyle	
headerStyleClass	
href	
loaded	
style	
styleClass	
value	
iconColumn	
multiColumnCount	
showCheckbox	
showHeaderCheckbox	
showItemsFlat	
summaryColumn	xe:viewSummaryColumn
<b>styling</b>	

... cont'd ...

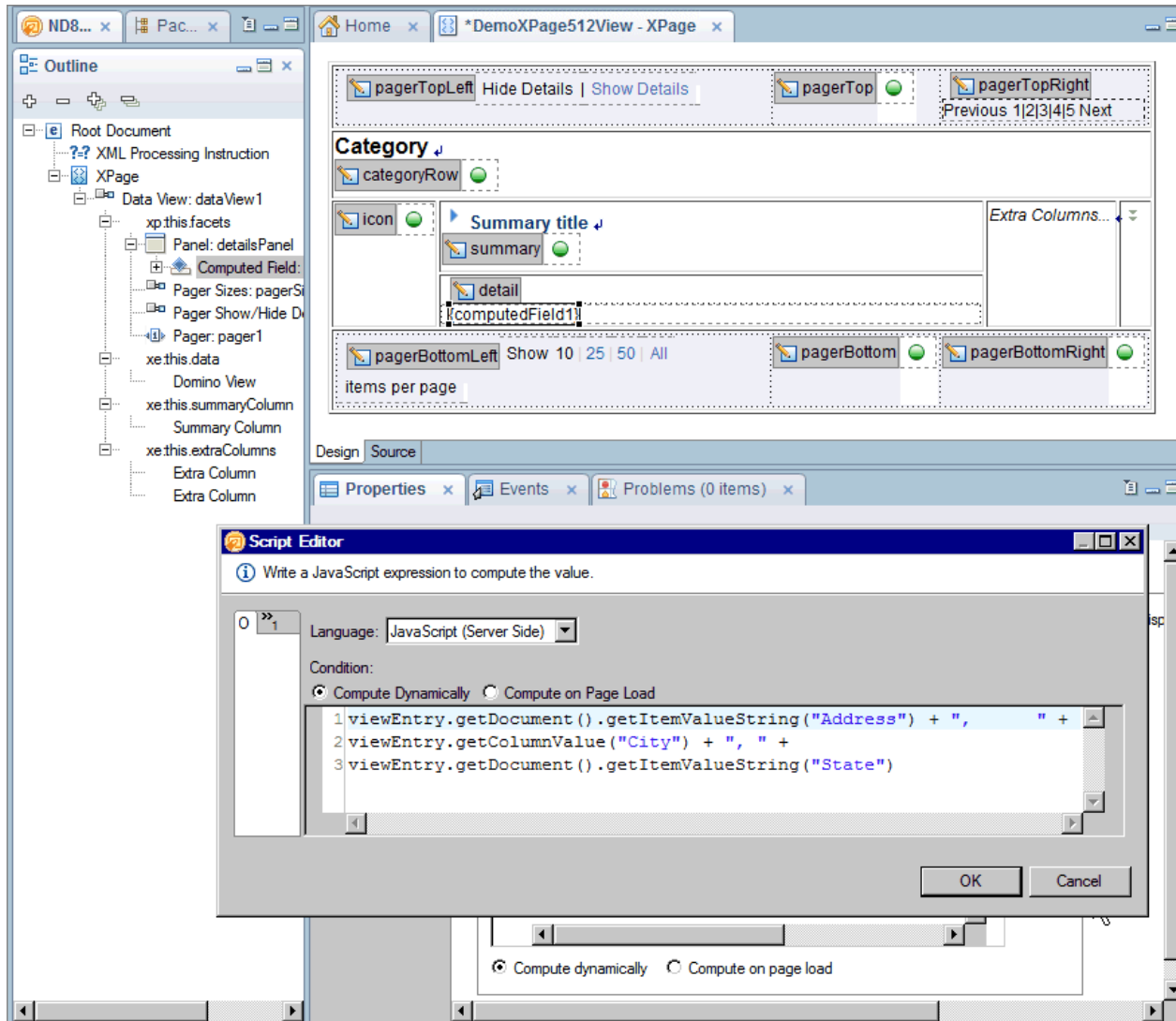
# Procedure: Creating a Data View ...



The screenshot displays the IBM Domino Designer interface for creating a Data View. The Outline pane on the left shows the project structure: Root Document > XPage > Data View: dataView1. The Design pane shows a table with columns for 'Category', 'Summary title', and 'Extra Columns...'. The Properties pane at the bottom shows settings for 'Data View' with Name: dataView1, Visible: checked, and At runtime, open selected document using: DemoXPage512Input. The Display Options section includes checkboxes for Show column titles, Can collapse details, Can collapse rows, and Show details by default.

... cont'd ...

# Procedure: Creating a Data View



The screenshot displays the IBM Domino Designer interface. The main window shows a design view of a data view named "dataView1". The design includes a category row, a summary title, and a detail row. A script editor dialog is open, showing a JavaScript expression to compute the value of a computed field. The script is as follows:

```
1 viewEntry.getDocument().getItemValueString("Address") + ", " +  
2 viewEntry.getColumnValue("City") + ", " +  
3 viewEntry.getDocument().getItemValueString("State")
```

The script editor also shows the language set to "JavaScript (Server Side)" and the condition set to "Compute Dynamically".

Open the Activity XPage (Activity2\_DataView ) and follow the instructions on the XPage

- Activity XPage: **Activity2\_DataView**
- Completed Activity: **DataView\_Complete**

# Categorized Columns in a Data View



<a href="#">Collapse All</a>   <a href="#">Expand All</a>		<a href="#">Show Details</a>   <a href="#">Hide Details</a>	
	Contact	Phone	
▼ <b>East</b>			
▼ <b>Pro Shop</b>			
<a href="#">Atlantic City Golf And Country</a>	Harold Jones	609-555-9822	▼
<a href="#">Nothern Lights Golf Course</a>	Marie Williams	802-555-8897	▼
<a href="#">Olde English Golf And Country</a>	Evelyn Lake	860-555-8879	▼
<a href="#">White Plains Golf And Country</a>	Will Berg	914-976-7767	▼
▼ <b>Retail Golf Store</b>			
<a href="#">Arnolds Golf</a>	Andy Arnold	914-555-9921	▼
<a href="#">Moon Golf And Ski</a>	Kelly Moon	914-555-9366	▼
<a href="#">New England Golf And Country</a>	John Smith	781-555-9099	▼
Show 10   25   50   All items per page		Previous 1   2   3   4   5   6 Next	

# Method 1: Categorizing by setting the categoryColumn property



The screenshot displays a web application interface with a 'Category' dropdown menu. Below it, there is a 'Summary title' section containing 'summary' and 'detail' items. At the bottom, there is a 'pagerBottom' section with 'Show 10 25 50 All' and 'Previous 1|2|3|4|5 Next'.

Property	Value
accessibility	
basics	
data	
format	
categoryColumn	
viewCategoryColumn [0]	
viewCategoryColumn [1]	
columnName	Type
columnTitle	
contentType	
converter	
headerStyle	
headerStyleClass	
href	
loaded	
style	
styleClass	
value	
collapsibleCategory	
collapsibleDetail	true
collapsibleRows	
columnTitles	

## Method 2: Categorizing using the categoryRow facet



The screenshot displays a web application interface and its underlying code. The top part shows a design view of a table with the following structure:

Category	
categoryRow	
[javascript:"Region: " + v...]	
icon	Summary title
	summary
	detail
	{javascript:viewEntry.get...}

The bottom part shows the source code view with the following JavaScript code:

```
1 "Region: " + viewEntry.getColumnValue("R")
```

# Details, Details ... and Repeat!



Show Details | Hide Details Previous 1 | 2 | 3 Next

**Arnolds Golf** ▲  
Address: 300 Hamilton Ave, White Plains, NY 10601  
[Edit Contact](#) Andy Arnold ... arnold@bogus0.com ... 914-555-9921

**Athens Golf And** ▲  
Address: ...  
[Edit Contact](#) ... 65

**Fox Run Golf Co** ▲  
Address: ...  
[Edit Contact](#) ... 5-1232

**Miami Beach Golf** ▲  
Address: 7730 Tatum Waterway Dr, Miami Beach, FL 33141  
[Edit Contact](#) Louise White ... l.white@bogus0 ... 786-555-1212

**Mirabelle Golf Course** ▲  
Address: 25501 Johns Road, South Lyon, MI 48178  
[Edit Contact](#) Pierre LaPreau ... lapreau@bogus0.com ... 248-555-9733

Choose to show 5 | 10 | 15 | 20 customers

Contact:

Phone:

Email:



DemoXPage545View





DemoXPage621a

DemoXPage621b.xsp

Sales Orders By Date

**Sales Orders By Region**

Sales Orders By Customer

Collapse All | Expand All Previous 1 Next

- ▶ East
- ▶ North
- ▶ South
- ▶ West

Properties x Events x Problems (0 items) x

Navigator

**Navigation Items**

Style

Font

Background

Margins

All Properties

Add items to the Page Navigator control.

Add Item Add Child Remove

Links
Page Link Node - Sales Orders By Date
<b>Page Link Node - Sales Orders By Region</b>
Page Link Node - Sales Orders By Customer

Property	Value
other	
children	
enabled	
image	
imageAlt	
imageHeight	
imageWidth	
label	Sales Orders By Region
loaded	
page	/DemoXPage621b.xsp
queryString	
rendered	
role	
selected	
selection	
title	
styling	
style	
styleClass	

# Application Layout Design Framework: Configuration Property and facets ...



The screenshot displays a web browser window with the following layout elements:

- MastHeader facet:** Contains the application name "Big Oak Golf", two "Application Link" buttons, and two "Utility Link" buttons.
- Title Bar:** Includes a "Title Bar title" label, three tabs ("Title Bar Tab 1", "Tab 2", "Tab 3"), and a "SearchBar facet" button.
- Place Bar:** Features a "Place Bar title" label and three action buttons ("Place Bar action 1", "Action 2", "Action 3").
- Main Content Area:** A large central area labeled "main content area".
- LeftColumn facet:** A vertical sidebar on the left.
- RightColumn facet:** A vertical sidebar on the right.
- Footer:** Contains "Footer Link 1", "Link 2", and "Legal text - like copyright".
- MastFooter facet:** A footer area at the bottom left.

An orange-bordered box in the center of the main content area contains the following list:

- Six facet areas
- Five bar areas

... cont'd ...

# Application Layout Design Framework: Configuration Property and facets



The screenshot displays an IDE window with the following components:

- Outline View (Left):** Shows a tree structure of the application layout. The **facets** section includes:
  - Panel: panelMainContent (Label: label3)
  - xp.this.facets
    - Panel: panelSearchBar
    - Panel: panelMastHeader
    - Panel: panelLeftColumn
    - Panel: panelRightColumn
    - Panel: panelMastFooterThe **configuration property** section includes:
  - xe.this.configuration
    - OneUI Application Configuration
      - xe.this.footerLinks
      - xe.this.bannerApplicationLinks
      - xe.this.bannerUtilityLinks
      - xe.this.titleBarTabs
      - xe.this.placeBarActions

- Design View (Right):** Shows a visual representation of the application layout with various facets and placeholders:
- MastHeader facet
- [logo] [bannerApplicationLinks] [bannerUtilityLinks]
- [titleBarTabs]
- SearchBar facet (containing [searchBar])
- [placeBarName] [placeBarActions]
- LeftColumn facet (containing main content area)
- RightColumn facet
- [footerLinks]
- [legalText]
- MastFooter facet
- Properties View (Bottom):** Shows the configuration for the **Application Layout**.
- Name: applicationLayout1
- Configuration: OneUI Application Configuration
- Visible:

## One onItemClick event for all nodes in xe:applicationLayout configuration



**onItemClick** event - triggered when any node in any of its configuration properties is fired, including:

- bannerApplicationLinks
- bannerUtilityLinks
- titleBarTabs
- placeBarActions
- footerLinks

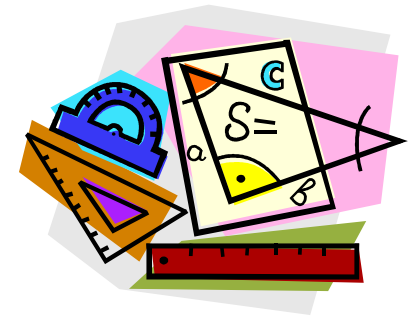
Get submitted value for clicked node - SSJS:

```
1. var submitValue = context.getSubmittedValue();
2. viewScope.submittedValue = submitValue;
```

Get submitted value for clicked node - CSJS:

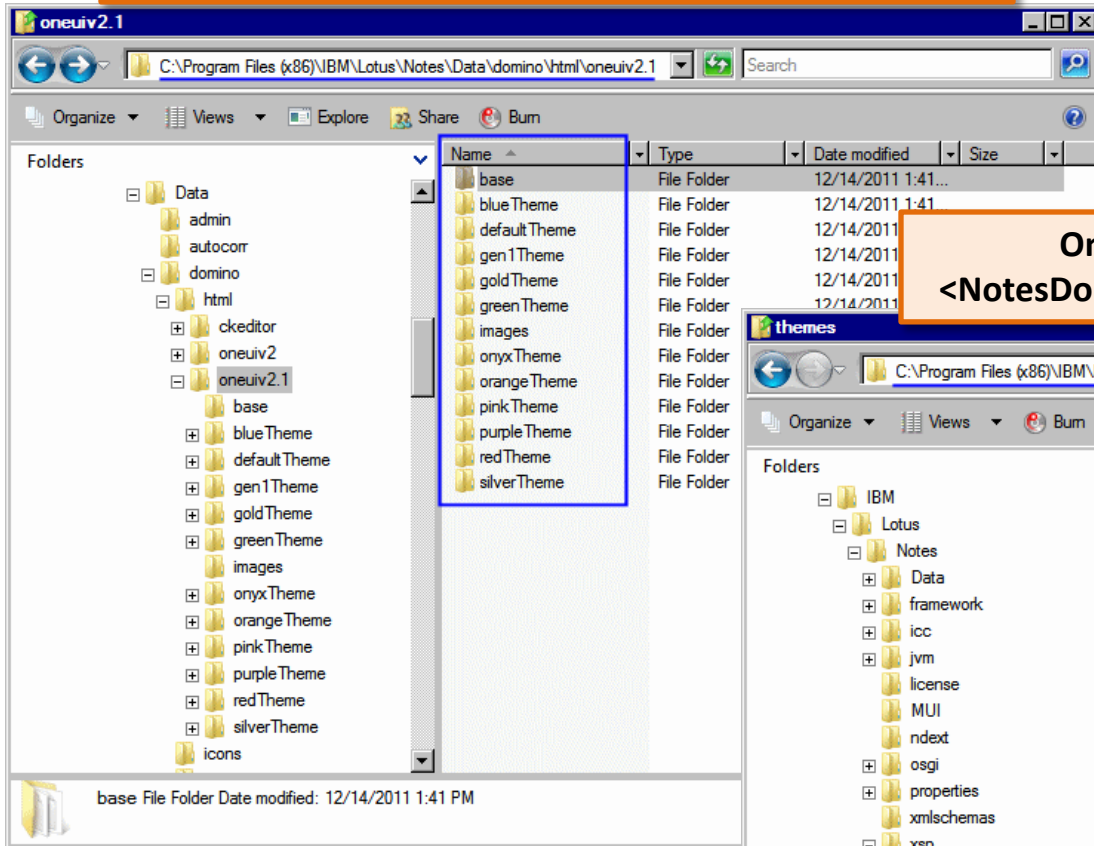
```
1. if (XSP.getSubmitValue() == "cancel") {
2.     location.href = 'DemoXPage721.xsp';
3.     return false;
4. } ;
```

- ❑ **DemoXPage711** – Areas of the Application Layout control
- ❑ **DemoXPage712** – onItemClick event for xe:applicationLayout

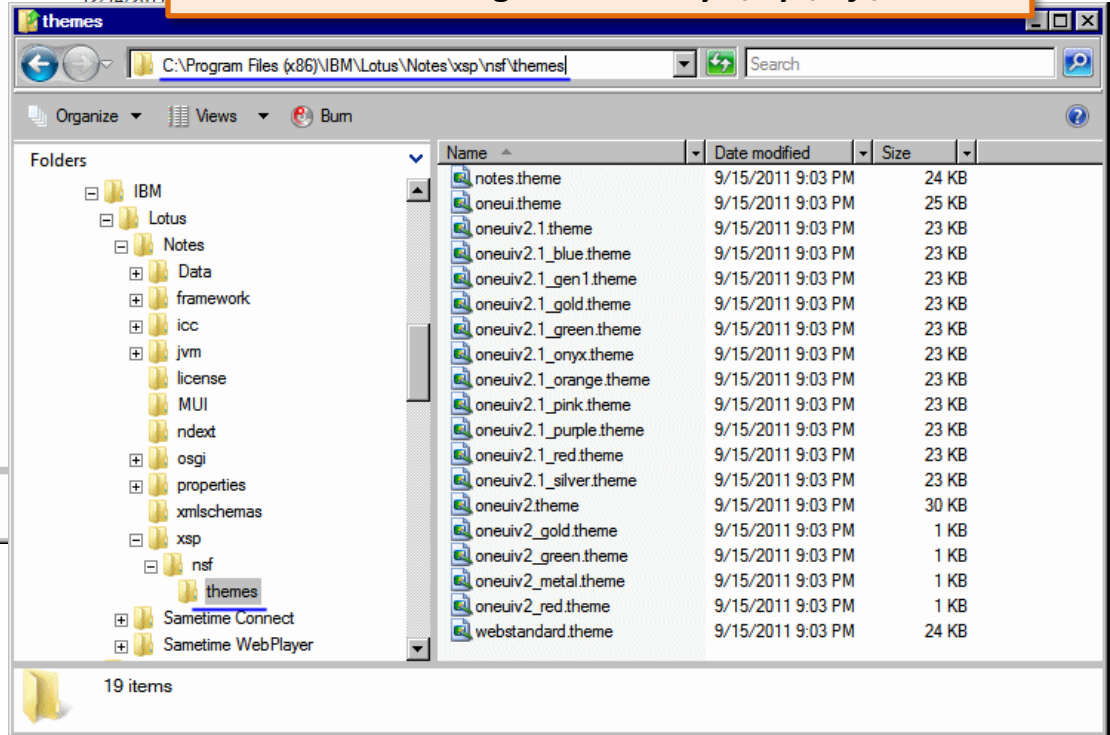


# The oneuiv2.1 Themes

**OneUI version 2 Themes:**  
**<NotesDominoDataDirectory>\domino\html\oneuiv2.1**



**OneUI version 2 Theme definitions:**  
**<NotesDominoProgramDirectory>\xsp\nsf\themes**



# Procedure: Setting a oneuiv2.1 Theme for an Application



The screenshot shows the 'Application Properties - ND85XRAD' dialog box with the 'XPage Properties' tab selected. The 'Theme Defaults' section has 'oneuiv2.1\_pink' selected in the 'Application theme' dropdown. The 'Client Validation' section has 'Server default' selected. The 'Window Behavior for Navigation and Links' section has 'Server default' selected. The 'Minimum Supported Release' section has 'Minimum release required by the XPage features used' selected.

OR ...

The screenshot shows the 'xsp.properties - xrd85one.nsf' source code editor with the following code:

```
1 xsp.ajax.renderwholetree=false
2 xsp.error.page.default=true
3 xsp.library.depends=com.ibm.xsp.extlib.library
4 xsp.persistence.mode=file
5 xsp.resources.aggregate=true
6 xsp.theme=oneuiv2.1_pink
7
```

The editor also shows a 'DemoXPage721' icon and the 'Source' tab selected.

# Procedure: Designing an Application Layout in a Custom Control ...



Home x \*Demo761\_AppLayout - Custom Control x

**Set Parameters for Application Layout**

Select a configuration, and then choose what to include in the layout.

Configuration: OneUI Application Configuration

Layout with up to three areas at the top for titles and navigation links, a content area with up to three columns, and up to two footer areas.

- Banner -- Area at the top of the page for branding and global links
- Title bar -- Area for application title and search controls
- Place bar -- Area for secondary title and action buttons
- Footer -- Area under the content area for links and text
- Legal -- Area at the bottom of the page for the legal information

Application theme

The application layout control works best in conjunction with an application theme. You can set a theme for the application here now, or do it later in Application Properties.

Application theme: TLCConeUIv21

OK Cancel

Design Source

Controls

- Select
- Other...
- Core Controls
- Container Controls
- Extension Library
  - Accordion
  - Application Layout**
  - Bread Crumbs
  - Data View
  - Dialog
  - Dialog Button Bar
  - Drop Down Button
  - Dump Object
  - Dynamic Content
  - Dynamic View Panel
  - Firebug Lite
  - Form Layout Column
  - Form Layout Row
  - Form Table
  - Forum Post
  - Forum View
- Data Access
- Dojo Form
- Dojo Layout
- iNotes

... cont'd ...



# Procedure: Designing an Application Layout in a Custom Control ...



The screenshot displays a software development tool interface with two tabs: 'Properties' and 'Events'. The 'Properties' tab is active, showing a configuration window for an application layout. On the left, a vertical sidebar lists various layout components: Application Layout, Banner, Application Links, Utility Links, Title Bar, Search, Place Bar, Footer, Legal, and All Properties. The 'Title Bar' component is selected.

The main configuration area includes a checked checkbox labeled 'Show title bar area for main title and/or tabs and search controls'. Below this, the 'Title text' is set to 'Sales and Marketing'. There are three buttons: 'Add Item', 'Add Child', and 'Remove'. A 'Links' table is visible, containing three entries: 'Page Link Node - Customers Application', 'Page Link Node - Sales Application', and 'Page Link Node - Parts Application'. To the right of this table are up and down arrow buttons.

On the right side of the interface is a 'Property Value' table:

Property	Value
<b>other</b>	
children	
enabled	
image	
imageAlt	
imageHeight	
imageWidth	
label	Customers Application
loaded	
page	/Demo761_CustByNameView.xsp
queryString	
rendered	
role	
selected	
<b>selection</b>	/SM/Customers/.*
title	
<b>styling</b>	
style	
styleClass	

... cont'd ...

# Procedure: Designing an Application Layout in a Custom Control ...



The screenshot displays a web design tool interface for creating a custom control. The main design area is divided into several sections:

- MastHeader**: Contains two instances of a control labeled "MastHeader".
- [logo] [bannerApplicationLinks]**: A section containing a logo and application links.
- [titleBarTabs]**: A section for title bar tabs.
- [placeBarName]**: A section for a name bar, containing two "LeftColumn" controls and one "RightColumn" control.
- [placeBarActions]**: A section for actions, containing a "SearchBar" control.
- [footerLinks]**: A section for footer links.
- [legalText]**: A section for legal text.
- MastFooter**: A section for the mast footer.

The right-hand side of the interface shows a **Controls** palette with various controls categorized under "Core Controls". The **Editable Area** control is highlighted in the palette, and a blue arrow points from it to a specific area in the design view, indicating its placement within the custom control's layout.

The bottom of the interface shows the **Properties** and **Events** panels. The **Editable Area** control's properties are visible:

- Editable Area**: Controls added to this editable area are treated as children of the custom control instead of the host page.
- Name**: callback1
- Facet name**: [empty]
- Visible**:

... cont'd ...

# Procedure: Designing an Application Layout in a Custom Control



The screenshot displays the Visual Studio IDE's Properties window for a custom control. The top window shows the 'navigationPath' property being defined with the following details:

- Name: navigationPath
- Display name: (empty)
- Type: string
- Editor: (empty)

The bottom window shows the 'Application Layout' section of the Properties window, which contains a table of properties and their values:

Property	Value
<b>basics</b>	
binding	
configuration	xe.oneuiApplication
banner	
bannerApplicationLinks	
bannerUtilityLinks	
defaultNavigationPath	
footer	false
footerLinks	
legal	
legalLogo	
legalLogoAlt	
legalLogoClass	
legalLogoHeight	
legalLogoStyle	
legalLogoWidth	
legalText	\$ return "(c) " + @Year(@Now())+ " Big Oak Golf"
loaded	
mastFooter	
mastHeader	
navigationPath	# return compositeData.navigationPath;
placeBar	false
placeBarActions	
placeBarName	
productLogo	/logo.gif
productLogoAlt	logo

# Navigation and Context: You are Here!



**Big Oak Golf** Anonymous Login

Sales and Marketing Customers Application Sales Application Parts Application

/SM/Sales/SalesByRegionView

Sales by Customer

Sales by Region

Create New Order

Collapse All | Expand All

Previous 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 ... Next

	Customer	Order Total
▼ East		
S01/19/2000-203	Sports Check	\$8,150.00
S01/19/2010-23	Sport City	\$3,745.00
S01/22/2000-194	White Plains Golf and Country	\$6,030.00
S02/04/2000-227	Dusty Road Golf Course	\$4,475.00
S02/04/2000-232	Atlantic City Golf and Country	\$3,745.00
S02/04/2010-51	Arnolds Golf	\$18,515.00



## Demo761\_CustByNameView

# Technique: Using the navigationPath Property to Select a Tab ...



Properties window showing the definition of the `navigationPath` property:

- Name: `navigationPath`
- Display name: (empty)
- Type: `string`
- Editor: (empty)
- Parameters: (empty)
- Default Value: (empty)

Design view of a web application showing a navigation bar with tabs. The Properties window shows the value of the `navigationPath` property:

Property	Value
<code>navigationPath</code>	<code>/SM/Customers/CustByNameView</code>

Properties window showing the list of properties for the application layout:

Property	Value
<code>binding</code>	
<code>configuration</code>	<code>xe:oneuiApplication</code>
<code>banner</code>	
<code>bannerApplicationLinks</code>	
<code>bannerUtilityLinks</code>	
<code>defaultNavigationPath</code>	
<code>footer</code>	<code>false</code>
<code>footerLinks</code>	
<code>legal</code>	
<code>legalLogo</code>	
<code>legalLogoAlt</code>	
<code>legalLogoClass</code>	
<code>legalLogoHeight</code>	
<code>legalLogoStyle</code>	
<code>legalLogoWidth</code>	
<code>legalText</code>	<code>\$ return "(c) " + @Year(@Now())+ " Big Oak Golf"</code>
<code>loaded</code>	
<code>mastFooter</code>	
<code>mastHeader</code>	
<code>navigationPath</code>	<code># return compositeData.navigationPath;</code>
<code>placeBar</code>	<code>false</code>
<code>placeBarActions</code>	
<code>placeBarName</code>	
<code>productLogo</code>	<code>/logo.gif</code>
<code>productLogoAlt</code>	<code>logo</code>

... cont'd ...

# Technique: Using the navigationPath Property to Select a Tab ...



Coding the selection property of the xe:pageTreeNode in the titleBarTabs

The screenshot shows a configuration window for a title bar. On the left, a sidebar lists various UI components, with 'Title Bar' selected. The main area contains a checked option 'Show title bar area for main title and/or tabs and search controls'. Below this, the 'Title text' is set to 'Sales and Marketing'. Under the 'Tabs' section, there are 'Add Item', 'Add Child', and 'Remove' buttons. A list of links is displayed, including 'Page Link Node - Customers Application', 'Page Link Node - Sales Application', and 'Page Link Node - Parts Application'. To the right of this list is a table of properties for the selected 'Page Link Node - Customers Application'. The 'selection' property is highlighted in blue, with a value of '/SM/Customers/'.

Property	Value
<b>other</b>	
children	
enabled	
image	
imageAlt	
imageHeight	
imageWidth	
label	Customers Application
loaded	
page	/Demo761_CustByNameView.xsp
queryString	
rendered	
role	
selected	
<b>selection</b>	/SM/Customers/.*
title	
<b>styling</b>	
style	
styleClass	

... cont'd ...

# Technique: Using the navigationPath Property to Select a Tab



## Example: Customers Application

```
38. <xe:this.titleBarTabs>
39.   <xe:pageTreeNode label="Customers Application"
40.     page="/Demo761_CustByNameView.xsp" selection="/SM/Customers/.**">
41.   </xe:pageTreeNode>
42.   <xe:pageTreeNode label="Sales Application"
43.     page="/Demo761_SalesByCustView.xsp" selection="/SM/Sales/.**">
44.   </xe:pageTreeNode>
45.   <xe:pageTreeNode label="Parts Application" selection="/SM/Parts/.**"
46.     page="/Demo761_PartsView.xsp">
47.   </xe:pageTreeNode>
48. </xe:this.titleBarTabs>
```

Demo761\_CustByNameView x

localhost/tlcc/85XP/ND85XRAD/xrd85wrk.nsf/Demo761\_CustByNameView.xsp

**Big Oak Golf**

Sales and Marketing Customers Application Sales Application Parts Application

Customers By Name Show Details Hide Details

Customers By Region

Create New Customer

Arnolds Golf

navigationPath= "/SM/Customers/CustByNameView"

Demo761\_CustByRegionView x

localhost/tlcc/85XP/ND85XRAD/xrd85wrk.nsf/Demo761\_CustByRegionView.xsp

**Big Oak Golf**

Sales and Marketing Customers Application Sales Application Parts Application

Customers By Name Collapse All Expand All

Customers By Region East

Create New Customer

Arnolds Golf

Atlantic City Golf And Country

navigationPath= "/SM/Customers/CustByRegionView"

### To do the Activity:

- Start with the Custom Control called **ccActivity3\_AppLayout**
  - NOTE: There are numerous XPages and one Custom Control you will edit in this activity.
- Completed Activity (starting point): **AppLayout\_ByName**



# Time for YOUR Questions!

---

