2011

COOKBOOK
Creating Master Detail Pages

Creating Three Level Master Detail

Here we have a three level master detail page. In its initial state you can only see *Customers*. If you select a record by clicking on its row, a second view will appear underneath the list of *Customers*. This list shows *Orders* relevant to the selected *Customer*. If you select an *Order* from the list, you will see a list of *Details* appear underneath. When you scroll down the page, a summary of the selected customer will stay visible in the top left corner of your screen. This three level master detail layout is a very quick and efficient way of going through the records.

To start creating a three level master detail data layout, open *Code On Time Generator*, select the project name, and press *Design*. Switch to the *All Pages* tab. On the action bar, press *New | New Page*.

Give the page the *Name* of "ThreeLevelMasterDetail", with *Index* of "1005", and *Title* and *Path* of "3-Level Master-Detail". Change *Style* to "Miscellaneous", and *About This Page* will be "This page will demo a three level master-detail data layout." Make the *Roles* field blank.

Save the page, and select the new page from the list of *All Pages*. Switch to the *Containers* tab, and create a new container. It will have *Flow* of "New Row".

Save, and create another container with *Flow* of "New Row". In *CSS Style Properties*, write "padding-top:8px;".

Now, create a third container with the same settings as before.

Now, switch to the *Data Views* tab. Create a new *Data View*, and place it in *Container* "c100", with *Controller* of "Customers", and *View* of "grid1". *Text* will be "Customers", and *Page Size* will be "5". Enable "Show in Summary".

Save, and create another data view. This one will have *Container* of "c101", *Controller* of "Orders", *View* of "grid1", *Text* of "Orders", and *Page Size* of "5". Disable "Show View Selector". The *Filter Source* will be "dv100" and *Filter Fields* will be "CustomerID". Set *Auto Hide* to "Container".

General	
Page, container, controller, and controller view of the data view. Use *Tag* to enabled conditional controller actions with matching *whenTag* property and to write custom business rules specific to tagged data views.	**Id** N/A **Container** * c101 ✎ **Controller** * Orders ✎ **View** grid1 ✎ **Tag** [ ] **Transaction** N/A ▼
Activator	
Specify a method of view activation available to end users. *Text* attribute will represent a tab or menu option of activator. Use *Sequence* to order controls and data views placed in the same container.	**Activator** None ▼ **Text** Orders **Sequence** [ ]
Presentation	
Presentation properties of the data view.	☐ Show In Summary **Page Size** 5 **Selection Mode** * N/A ▼ ☑ Show Action Bar ☑ Show View Description ☐ Show View Selector ☑ Show Pagers ☐ Show Modal Forms ☐ Search on Start ☑ Show Details in List Mode
Filter	
Filter parameters can be used to limit the visible data or to establish master-detail relationships. Property *Auto Hide* specifies user interface element that will be hidden if runtime filter value is empty and view can be automatically hidden. Use *Self* when master data view has a *Tab* activator and belongs to the same page container as this data view. Use *Container* otherwise.	**Filter Source** dv100 ✎ **Filter Fields** CustomerID ✎ **Auto Hide** Container ▼

Create one more data view. *Container* will be "c102", *Controller* will be "OrderDetails", *View* will be "grid1", *Text* will be "Details", and *Page Size* will be "5". Disable "Show View Selector". *Filter Source* will be "dv101" and *Filter Fields* will be "OrderID". Set *Auto Hide* to "Container".

General	Id
Page, container, controller, and controller view of the data view.	N/A
	Container *
Use *Tag* to enabled conditional controller actions with matching *whenTag* property and to write custom business rules specific to tagged data views.	c102 🖉
	Controller *
	OrderDetails 🖉
	View
	grid1 🖉
	Tag
	Transaction
	N/A ▾

Activator	Activator
Specify a method of view activation available to end users. *Text* attribute will represent a tab or menu option of activator.	None ▾
	Text
Use *Sequence* to order controls and data views placed in the same container.	Details
	Sequence

Presentation	
Presentation properties of the data view.	☐ Show In Summary
	Page Size
	5
	Selection Mode *
	N/A ▾
	☑ Show Action Bar
	☑ Show View Description
	☐ Show View Selector
	☑ Show Pagers
	☐ Show Modal Forms
	☐ Search on Start
	☑ Show Details in List Mode

Filter	Filter Source
Filter parameters can be used to limit the visible data or to establish master-detail relationships.	dv101 🖉
	Filter Fields
Property *Auto Hide* specifies user interface element that will be hidden if runtime filter value is empty and view can be automatically hidden. Use *Self* when master data view has a *Tab* activator and belongs to the same page container as this data view. Use *Container* otherwise.	OrderID 🖉
	Auto Hide
	Container ▾

Save the data view, close the *Designer*, and generate the application. When the page loads, sign in and navigate to the *3-Level Master-Detail* page to see your new page in action.

Grouping Tabbed Data Views

We learned how to create a three level master detail data layout on a new page in your application. If you wanted to use tabs to group your data views, you will have to take different steps.

If you generate a *Code On Time* application from the *Northwind* database using *Classic* layout, then the *Customers* page will look like the picture below. When you select a customer from the list, a tabbed view will appear underneath with relevant information, from the *Orders*, *Customer Demo*, and *Order Details* tables. The default page provides only a two level master detail, and displays all relevant *Order Details* to the selected customer. We would like a list of *Order Details* to appear underneath *Orders* list, and to be filtered according to the selected *Order*.

Open *Code On Time Generator*, select the project name, and press *Design*. Switch to the *All Pages* tab. Select the Cusitomers page from the list, and switch to *Data Views*. Using the dropdown menu next to *view4* (that holds *OrderDetails* controller), press *Delete*, as this view is not needed.
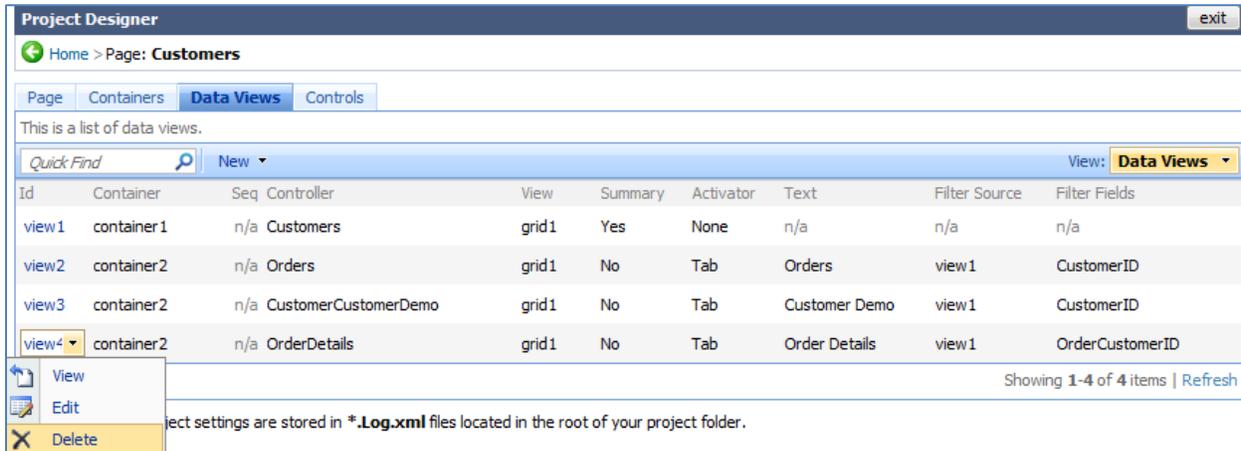
Now, using the action bar, press *New | New Data View*. The *Container* will be "container2", *Controller* will be "OrderDetails", and *View* "grid1". Change *Activator* to "Tab". The *Text* must be the same as the *Orders* tab to insure that both data views will be on the same tab, so write "Orders".
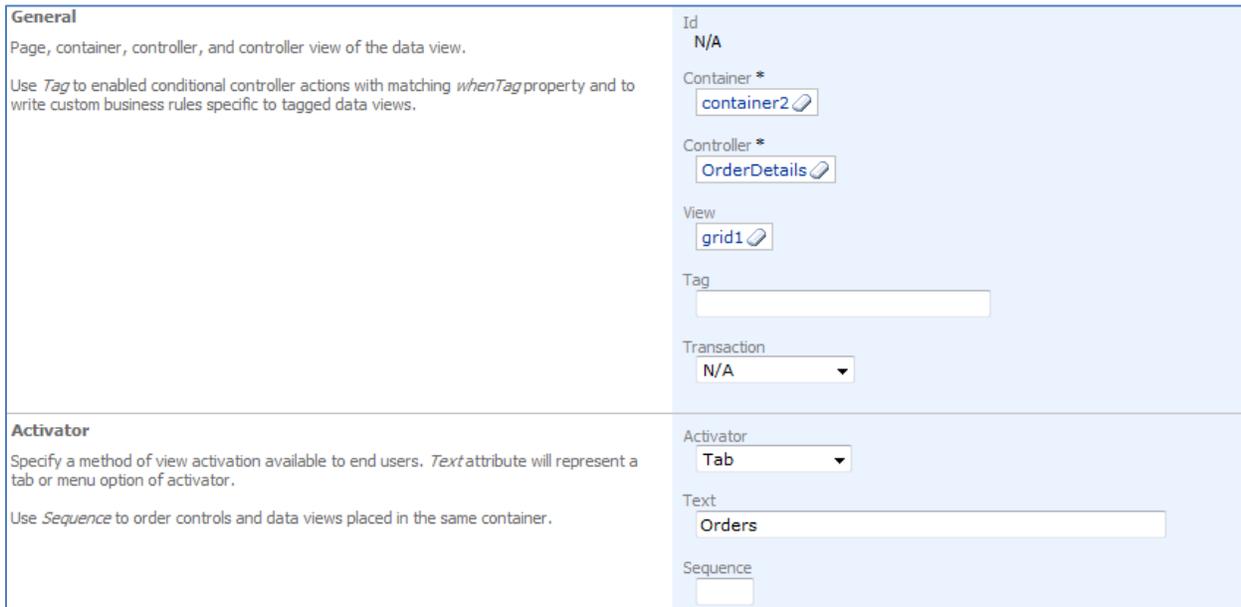
The *Filter Source* will be "view2", and *Filter Fields* will be "OrderID". Indicate that *Auto Hide* is "Self".
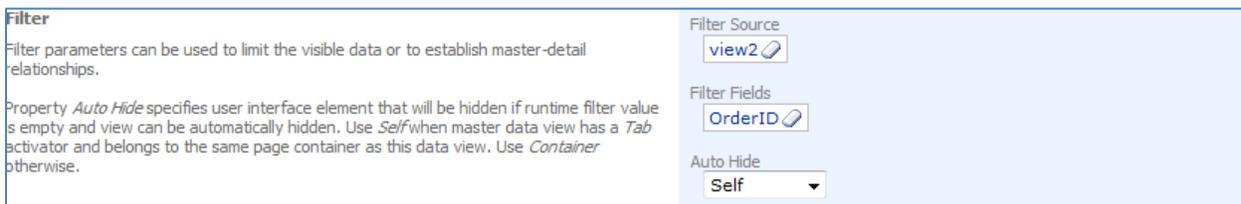
Close the *Designer*, and generate the application. When the web page appears with the modified application, navigate to the *Customers* tab. Now, when you select a *Customer*, tabs will appear underneath the *Customers* list displaying *Orders* and *Customer Demo*. When you select an order, its respective *Order Details* will appear underneath, within the tab.