

41.3.4 How to Perform Multiple Value Mappings with One Drag and Drop Action

To create multiple value mapping with one drag and drop action

1. Make sure that Value Mapping mode is selected in the XQuery toolbar.
2. Select the non-leaf source element.
3. Hold down the left mouse button, and drag the mouse pointer to the target element. Release the left mouse button.

If the source and target elements have the same schema types, individual mappings are created for all the child elements of the source element and target element. A mapping is also created between the source and target element.

If an element has multiple occurrences, then a FLOWR cycle is automatically created for the element. For example, the code segment below copies each `Item` iteratively:

```
for $Item in $pParam1/Items/Item
return <Item PartNum="{fn:data($Item/@PartNum)}">
    <ProductName>{fn:data($Item/ProductName)}</ProductName>
    <Quantity>{fn:data($Item/Quantity)}</Quantity>
    <Price>{fn:data($Item/Price)}</Price>
    <Currency>{fn:data($Item/Currency)}</Currency>
    </Item>
```

41.4 Using XQuery Functions

You can add XQuery functions to your existing XQuery map. The Components window contains a list of XQuery functions that you can drag and drop into the source editor or the center pane of the XQuery mapper.

The Components window also includes a set of XQuery constructs, like FLWOR, and XQuery operators, like logical AND. These constructs and operators can only be dragged and dropped into the source editor.

41.4.1 How to Add an XQuery Function in the XQuery Mapper

13 You can drag and drop an XQuery function from the Components window to the center pane of the XQuery mapper.

41.4.1.1 To add an XQuery function:

1. Make sure that the Components Window is visible. The default location is the top right hand corner of Oracle JDeveloper.

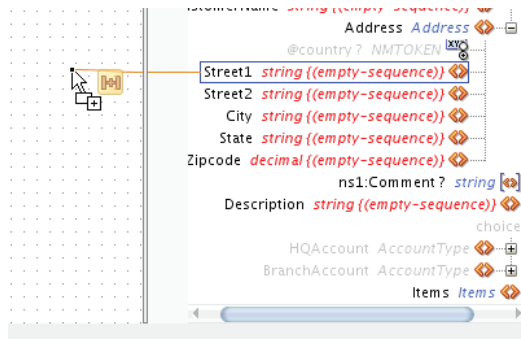
If the Components Window is not visible, select **Components** from the **Window** menu.

2. In the Component Window, select the XQuery Functions page.
3. Click the Category that contains your function. For example, to add the concat function, click String Functions.

4. **13** Drag the desired function from the Components window to the center pane of the XQuery mapper. When you drag the function to the center pane, the output of the function connects to different target nodes, as you move along.

Figure 41-9 shows a function being dragged to the center pane of the XQuery Mapper.

Figure 41-9 Dragging a Function to the Center Pane of the XQuery Mapper



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5. Drop the function on the center pane when the function output is shown connected to the desired target node.

Note:

You can also drop a function to an existing map line in the center pane of the XQuery mapper.

The function gets connected to both the source (input) and target (output) nodes.

6. If the function requires additional input parameters, then a Warning icon appears on the function icon. Drag a line from a source node to the left end of the function to specify an input parameter.
7. Repeat the previous step for any more source nodes that you must add as input parameters.

41.4.1.2 To edit a function's parameters:

1. Click the function icon in the center pane. The expression corresponding to the function appears in the Properties window.
 The Properties window is located at the lower right-hand corner of Oracle JDeveloper, by default. If the Properties window does not appear, click Properties under the Window menu to display the Properties window. You can optionally choose to drag the Properties window to any convenient location within the JDeveloper window. You can also resize the Properties window, as desired.
2. Edit the expression that appears in the right pane of the Properties window.
 The left pane of the Properties window shows the variable tree that includes all variables visible in the current scope. You can drag and drop variables to the expression on the right to help build your function definition.
3. Click **Commit** at the top left corner of the Properties window to save the changes. Alternatively, click **Revert to mapper sources** to revert changes made in the Properties window.