**Sample for Labels in Reports**

**This package contains:**

1. A package to import into an Innovator 9.2.0 SP3 installation with Solutions Packages installed (especially PLM).
2. A screen capture of the typical Report that results from the sample included.
3. This Readme.docx file that explains how to install and use the Sample included.

**Description:**

This sample demonstrates a way to include not just "values" of Properties of an ItemType but also its Label in Reports.

**Usage:**

1. Create a few instances of "Part" ItemType. Make sure to select either Make or Buy in the Make/Buy field.
2. Select “Parts” in TOC, under the Design Folder. Run a Search to display the items just created.
3. From the Menu at the top, select Reports --> Part Report With Label. This will run the report and display results similar to the screen capture file included with this package.

**Setup Procedure for the Sample:**

1. Using Innovator Import utility import the "SampleForLabelsInReports" package. The Manifest file is "imports.mf".
2. Edit the "Part" ItemType.
   * 1. In the "Reports" TAB of the Part ItemType select "Pick Related", and then click "New Relationship" icon next to it.
     2. In the resulting Dialog Box search and select "Part Report With Label", and then click "Return Selected" icon (checkmark icon).
     3. Go to the Method[...] column and press "F2". Search and select "Part Report With Label" Method, and then click "Return Selected" icon (checkmark icon).
3. Follow the steps outlined in "Usage" section above to see how the Sample works.

**Inner Workings:**

1. The algorithm for the Method is as follows:
   1. Get all the items of Part ItemType.
   2. For each Part item, get the value of its make\_buy property (Make/Buy). This Property is a List called "Make Buy". The Relationships of the List ItemType are the Label/Value pairs each of which is an instance of the "Value" ItemType. Perform a query to get the "label" for the make\_buy property value for the Part item under consideration in the iteration.
   3. Insert the Label as a new Property into the Part item used in this iteration.
   4. Get the Report item "Part Report With Label". From the result gets its "xsl\_stylesheet" property. It contains the XSL code useed for generating the Report.
   5. Apply the XSL StyleSheet to the result of querying to get Part items.
2. XSL Stylesheet customization:

Relevant areas of the XSL Stylesheet below have been colored to reveal the blocks of code that have been customized for this sample. Alternating blocks have been colored with different colors (**GREEN**, **RED, BLUE**) for clarity.

* 1. First colored section is where the title of the Report is set.
  2. Next the column headings of the Report are set.
  3. The data for each “item” is entered in the report using a loop. The beginning and end of the loop are colored in Blue.
  4. Finally, within the loop each property of the item has a block of code for it to be displayed in the proper place with proper format in the Report.

<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform" xmlns:msxsl="urn:schemas-microsoft-com:xslt" xmlns:user="urn:user-scripts" xmlns:aras="http://www.aras-corp.com">

<xsl:output method="html" omit-xml-declaration="yes" standalone="yes" indent="yes"></xsl:output>

<xsl:template match="/">

<html>

<head></head>

<style type="text/css" userData="Global">.cellSolid {border-top:1px #000000 solid;border-right:1px #000000 solid;border-bottom:1px #000000 solid;border-left:1px #000000 solid;}

.cellSolidTopRight {border-top:1px #000000 solid;border-right:1px #000000 solid;}

.cellSolidTopLeft {border-top:1px #000000 solid;border-left:1px #000000 solid;}

.cellSolidRightBottom {border-right:1px #000000 solid;border-bottom:1px #000000 solid;}

.cellSolidBottomLeft {border-bottom:1px #000000 solid;border-left:1px #000000 solid;}

.cellSolidTop {border-top:1px #000000 solid;}

.cellSolidRight {border-right:1px #000000 solid;}

.cellSolidBottom {border-bottom:1px #000000 solid;}

.cellSolidLeft {border-left:1px #000000 solid;}

.cellDashed {border-top:1px #666666 dashed;border-right:1px #666666 dashed;border-bottom:1px #666666 dashed;border-left:1px #666666 dashed;}

.cellDashedTopRight {border-top:1px #666666 dashed;border-right:1px #666666 dashed;}

.cellDashedTopLeft {border-top:1px #666666 dashed;border-left:1px #666666 dashed;}

.cellDashedBottomRight {border-bottom:1px #666666 dashed;border-right:1px #666666 dashed;}

.cellDashedBottomLeft {border-bottom:1px #666666 dashed;border-left:1px #666666 dashed;}

.cellDashedTop {border-top:1px #666666 dashed;}

.cellDashedRight {border-right:1px #666666 dashed;}

.cellDashedBottom {border-bottom:1px #666666 dashed;}

.cellDashedLeft {border-left:1px #666666 dashed;}

.cellHeader {background-color:#CCCCCC;border-top:1px #000000 solid;border-right:1px #000000 solid;border-bottom:1px #000000 solid;padding:2px;text-align:center;text-transform:capitalize;text-align:center;font-family:helvetica;font-weight:bold;font-size:8pt;}

</style>

<script>onload = function() {window.resizeTo(900,650);}

</script>

<body topmargin="50" leftmargin="50">

<table border="0" cellspacing="0" cellpadding="0" width="950">

<tr>

<td width="150" uniqueID="ms\_\_id2"></td>

<td width="200" uniqueID="ms\_\_id3"></td>

<td width="150" uniqueID="ms\_\_id4"></td>

<td width="150" uniqueID="ms\_\_id5"></td>

<td width="150" uniqueID="ms\_\_id6"></td>

</tr>

<tr valign="top">

<td align="left" uniqueID="ms\_\_id77" colspan="9">

<img src="../images/Logos/aras\_logo.gif" height="80"></img>

</td>

</tr>

<tr valign="bottom">

<td colspan="2" style="font-family:helvetica;font-size:15pt;color:#DA1943;padding:2px;" align="left" uniqueID="ms\_\_id79">**Part Report (with Make/Buy Labels)**</td>

<td colspan="2" style="font-family:helvetica;font-size:10pt;padding:2px;" align="right" uniqueID="ms\_\_id80">Generated on: <script>function m00(r, n){r += ""; if (!n) n = 2; while(r.length &lt; n){r = "0" + r;} return r;} var dt = new Date(); var a = top.opener.top.aras; if (a){var s = m00(dt.getUTCFullYear(),4)+"-"+m00((dt.getUTCMonth()+1))+"-"+m00(dt.getUTCDate())+"T"+m00(dt.getUTCHours())+":"+m00(dt.getUTCMinutes())+":"+m00(dt.getUTCSeconds()); s = a.IomInnovator.GetI18NSessionContext().ConvertUtcDateTimeToNeutral(s, "yyyy-MM-ddTHH:mm:ss"); s = a.convertFromNeutral(s, "date", "short\_date"); document.write(s);}</script>

</td>

</tr>

<tr valign="top">

<td class="cellHeader" uniqueID="ms\_\_id81" align="left" colspan="" rowspan="" height="" width="" style="border-left:1px #666666 solid;">**Part Number**</td>

<td class="cellHeader" uniqueID="ms\_\_id82">**Name**</td>

<td class="cellHeader" uniqueID="ms\_\_id83">**Cost**</td>

<td class="cellHeader" uniqueID="ms\_\_id84">**Make/Buy**</td>

<td class="cellHeader" uniqueID="ms\_\_id84">**Make/Buy Label**</td>

</tr>

**<xsl:for-each select="//Item">**

<xsl:sort select="name" order="ascending" case-order="upper-first" data-type="text"></xsl:sort>

<tr valign="center">

<td style="font-family:helvetica;font-size:8pt;font-weight:bold;border-left:1px #666666 solid;padding:2px;" class="cellSolidRightBottom" align="left" uniqueID="ms\_\_id90" colspan="" rowspan="" height="" width="">

<xsl:value-of select="**item\_number**"></xsl:value-of>

<xsl:if test="**item\_number**='' or not(**item\_number**)">

<xsl:text> </xsl:text>

</xsl:if>

</td>

<td style="font-family:helvetica;font-size:8pt;padding:2px;" class="cellSolidRightBottom" align="left" uniqueID="ms\_\_id91">

<xsl:value-of select="**name**"></xsl:value-of>

<xsl:if test="**name**='' or not(**name**)">

<xsl:text> </xsl:text>

</xsl:if>

</td>

<td style="font-family:helvetica;font-size:8pt;padding:2px;" class="cellSolidRightBottom" align="left" uniqueID="ms\_\_id92">

<xsl:value-of select="**cost**"></xsl:value-of>

<xsl:if test="**cost**='' or not(**cost**)">

<xsl:text> </xsl:text>

</xsl:if>

</td>

<td style="font-family:helvetica;font-size:8pt;padding:2px;" class="cellSolidRightBottom" align="left" uniqueID="ms\_\_id93">

<xsl:value-of select="**make\_buy**"></xsl:value-of>

<xsl:if test="**make\_buy**='' or not(**make\_buy**)">

<xsl:text> </xsl:text>

</xsl:if>

</td>

<td style="font-family:helvetica;font-size:8pt;padding:2px;" class="cellSolidRightBottom" align="left" uniqueID="ms\_\_id93">

<xsl:value-of select="**partMakeBuyLabel**"></xsl:value-of>

<xsl:if test="**partMakeBuyLabel**='' or not(**partMakeBuyLabel**)">

<xsl:text> </xsl:text>

</xsl:if>

</td>

</tr>

**</xsl:for-each>**

</table>

</body>

<script src="../../javascript/PopupMenu.js"></script>

</html>

</xsl:template>

</xsl:stylesheet>