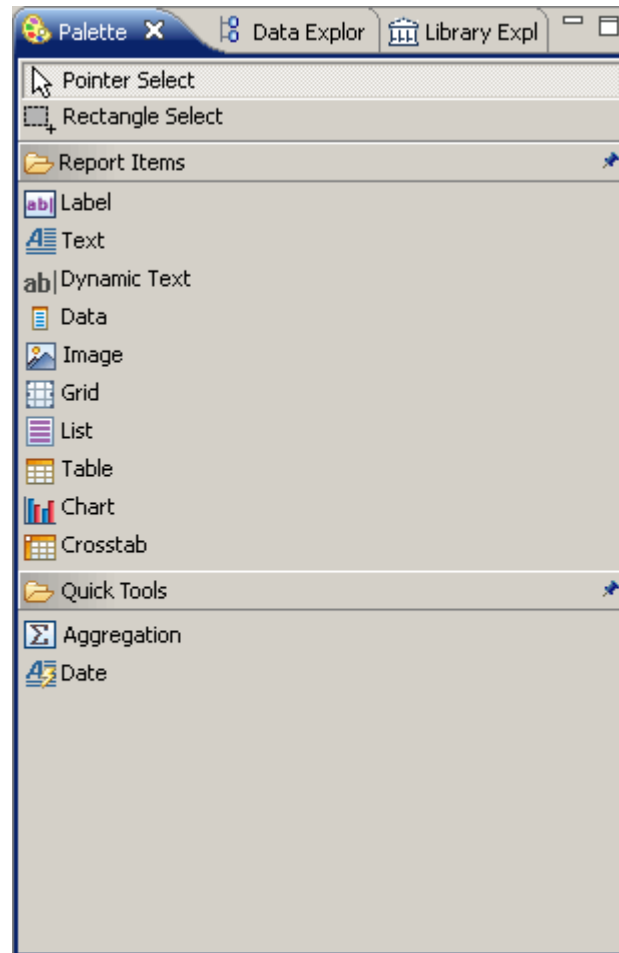


Aggregation Builder

Scenario 1: Drag n Drop from Quick Tools in Palette

Palette with Quick Tools



Note:

1. Quick Tools section is proposed in palette that will list quick functions.
2. Aggregation and Date are proposed functions under Quick tools.

Dragging Aggregation from Quick Tools to Table Group “groupCountry” header

The screenshot shows the Eclipse SDK Report Design tool interface. The main workspace displays a table with the following structure:

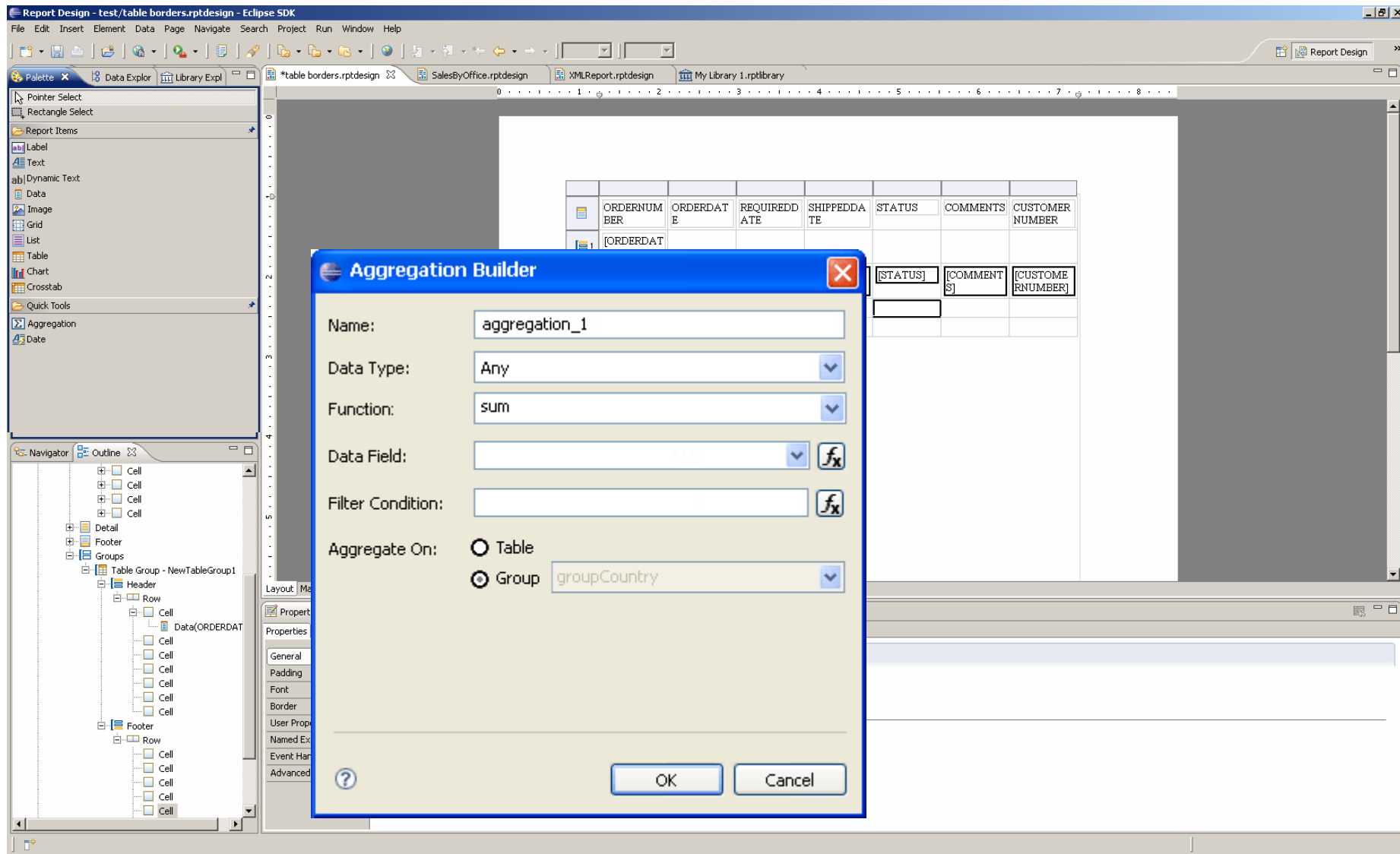
	ORDERNUMBER	ORDERDATE	REQUIREDDATE	SHIPPEDDATE	STATUS	COMMENTS	CUSTOMER NUMBER
1	[ORDERNUMBER]	[ORDERDATE]	[REQUIREDDATE]	[SHIPPEDDATE]	[STATUS]	[COMMENTS]	[CUSTOMER NUMBER]
1	Group Footer Row						
	Footer Row						

A callout box with the text "User drags the aggregation from quick tools to table group footer" points to the "Group Footer Row" in the table.

The left sidebar shows the "Quick Tools" palette with the "Aggregation" tool selected. The bottom pane shows the "Property Editor - Cell" with the "General" tab active, displaying properties like "Drop", "Background color", "Vertical alignment", "Text alignment", and "Style".

Note:

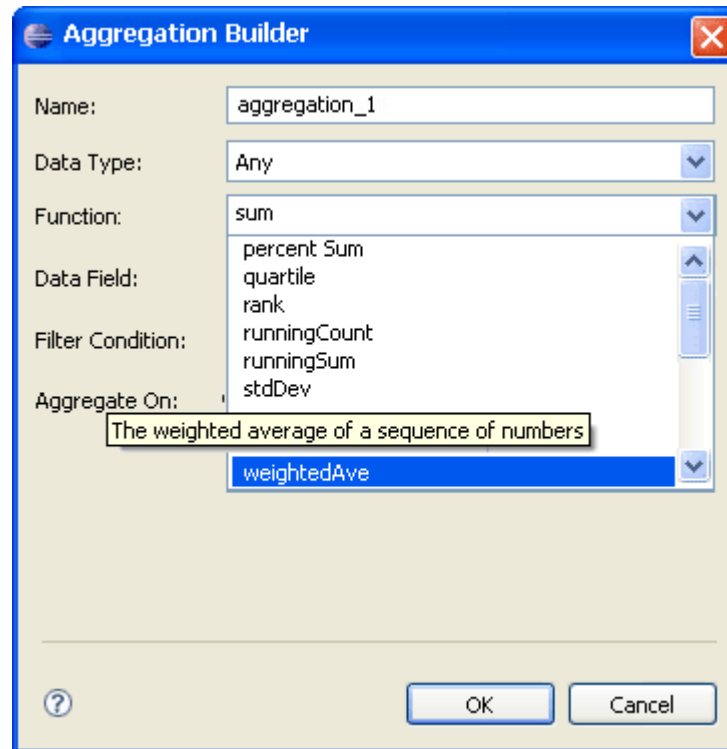
1. User Drags the Aggregation to Table group footer.



Note:

1. Aggregate on is read only field as user drops the aggregation at a particular desired cell.
2. Default function is 'SUM' as it is most common used function.
3. As 'SUM' does not take any argument, 'Argument' fields will not be shown.

Choosing function



Note:

1. Function Drop Down will list all the available functions from BIRT Functions: Totals
2. Hover on listed functions will give a tool tip of what that function does.

Argument

Aggregation Builder

Name: aggregation_1

Data Type: Any

Function: weightedAve

Data Field: dataSetRow["SALES"]

Weight:

Filter Condition:

Aggregate On: ☐ Table ☒ Group groupCountry

OK Cancel

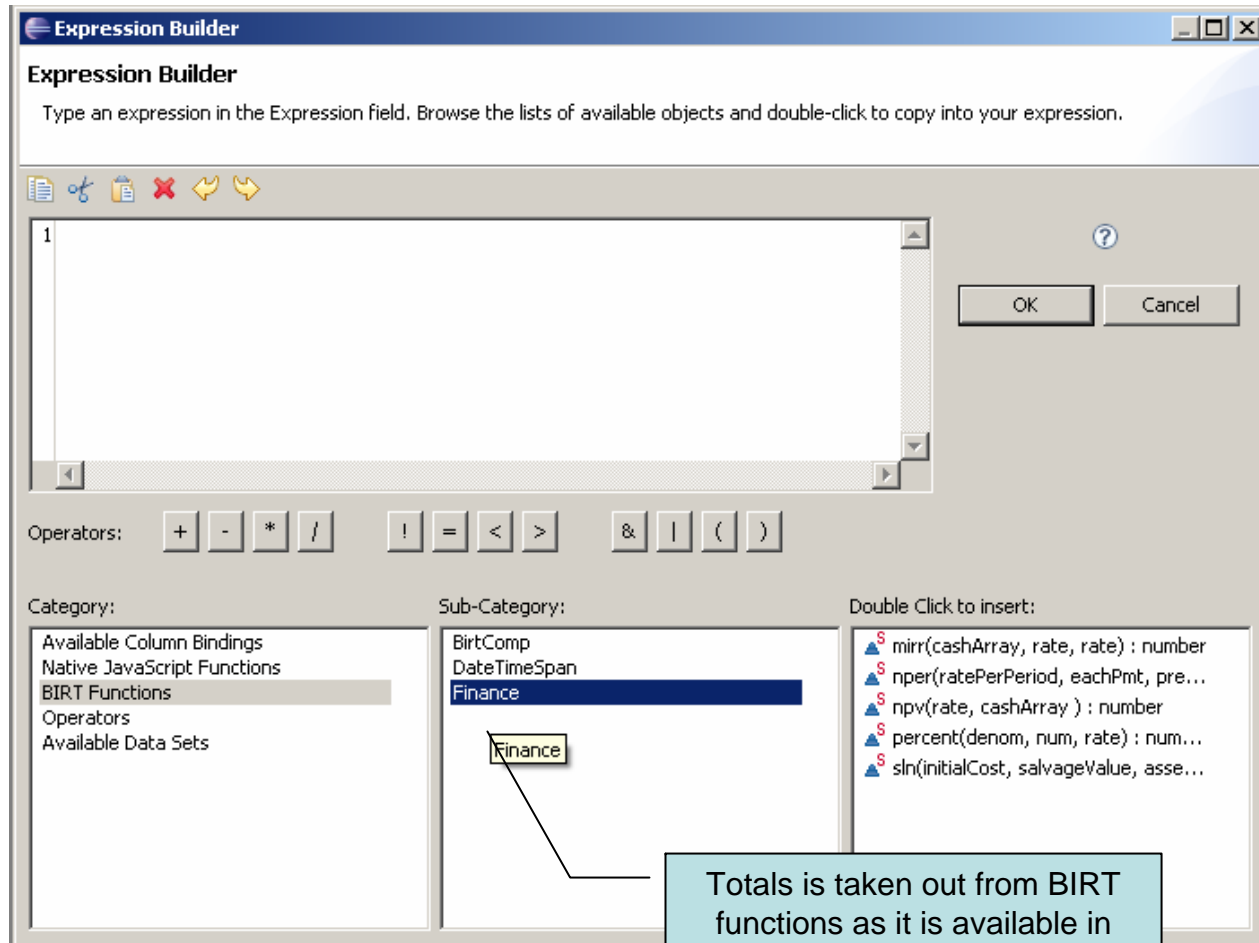
If the selected function can contain more than one argument, all the arguments will be listed.

Clicking on "..." button will open expression builder to give argument if applicable

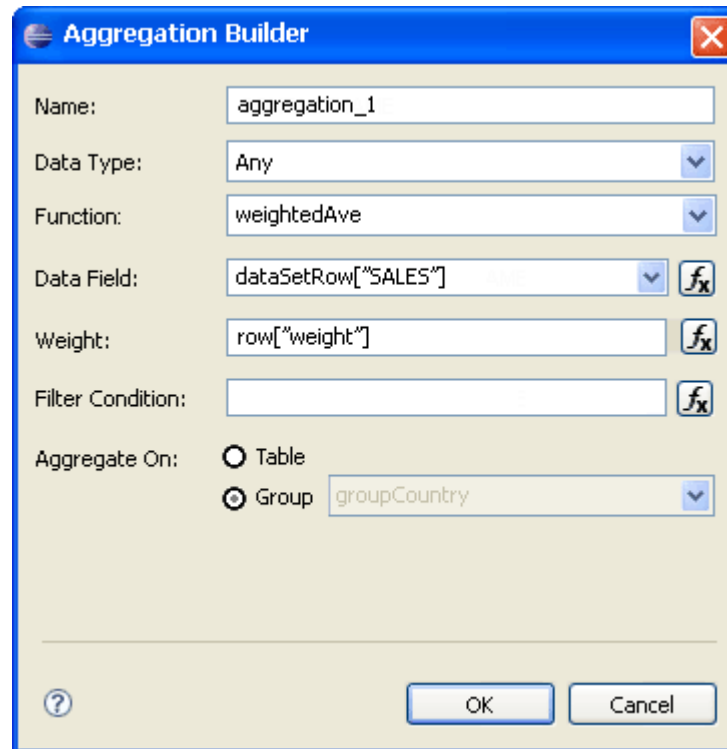
Note:

1. If the selected function can have an argument, 'Argument' field will be available.
2. If the user has not put a value for a required argument, OK should be disabled.

Expression Builder



Dialog having the argument




The image shows a software dialog box titled "Aggregation Builder". It contains several input fields and options for configuring an aggregation. The fields are: "Name:" with the value "aggregation_1"; "Data Type:" with a dropdown menu set to "Any"; "Function:" with a dropdown menu set to "weightedAve"; "Data Field:" with a dropdown menu set to "dataSetRow[\"SALES\"]" and a function icon (fx); "Weight:" with a text field containing "row[\"weight\"]" and a function icon (fx); "Filter Condition:" with an empty text field and a function icon (fx); and "Aggregate On:" with two radio buttons, "Table" (unselected) and "Group" (selected), followed by a dropdown menu set to "groupCountry". At the bottom left is a help icon (?), and at the bottom right are "OK" and "Cancel" buttons.


Aggregation Builder


Name: aggregation_1

Data Type: Any


Function: weightedAve

Data Field: dataSetRow["SALES"] 

Weight: row["weight"] 

Filter Condition: 

Aggregate On: ☐ Table ☒ Group groupCountry

 OK Cancel

Sample Report Design after Aggregation

The screenshot shows a report design tool interface with a table design view. The table has the following structure:

	ORDERNUMBER	ORDERDATE	REQUIREDDATE	SHIPPEDDATE	STATUS	COMMENTS	CUSTOMER NUMBER
[ORDERDATE]							
[ORDERNUMBER]	[ORDERDATE]	[REQUIREDDATE]	[SHIPPEDDATE]	[STATUS]	[COMMENTS]	[CUSTOMER NUMBER]	
Group Footer Row					Σ Aggreg		
Footer Row							

An aggregation symbol (Σ) is shown in the STATUS column of the group footer row, with a callout box pointing to it. The callout box contains the text: "Aggregation defined is represented by the symbol and given name".

Scenario 2: Editing Aggregation

table borders.rptdesign SalesbyOffice.rptdesign JMLReport.rptdesign My Library 1.rptlibrary

0 1 2 3 4 5 6 7 8

	ORDERNUM BER	ORDERDAT E	REQUIRED ATE	SHEPPEDDA TE	STATUS	COMMENTS	CUSTOMER NUMBER
	[ORDERDAT E]						
	[ORDERNU MBER]	[ORDERDA TE]	[REQUIRED DATE]	[SHIPPEDD ATE]	[STATUS]	[COMMENT S]	[CUSTOME RNUMBER]
	Group Footer Row				Σ Aggreg		
	Footer Row						

Layout Master Page Script JML Source Preview

Double clicking the cell will open the aggregation dialog

Table borders.rptdesign SalesbyOffice.rptdesign XMLReport.rptdesign My Library 1.rptlibrary

0 1 2 3 4 5 6 7 8


	ORDERNUM BER	ORDERDAT E	REQUIRED DATE	SHIPPEDDA TE	STATUS	COMMENTS	CUSTOMER NUMBER
				[SHIPPED DATE]	[STATUS]	[COMMENT S]	[CUSTOME RNUMBER]
					Σ Aggreg		


Aggregation Builder


Name: aggregation_1

Data Type: Any


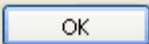

Function: weightedAve

Data Field: dataSetRow["SALES"] 

Weight: row["weight"] 

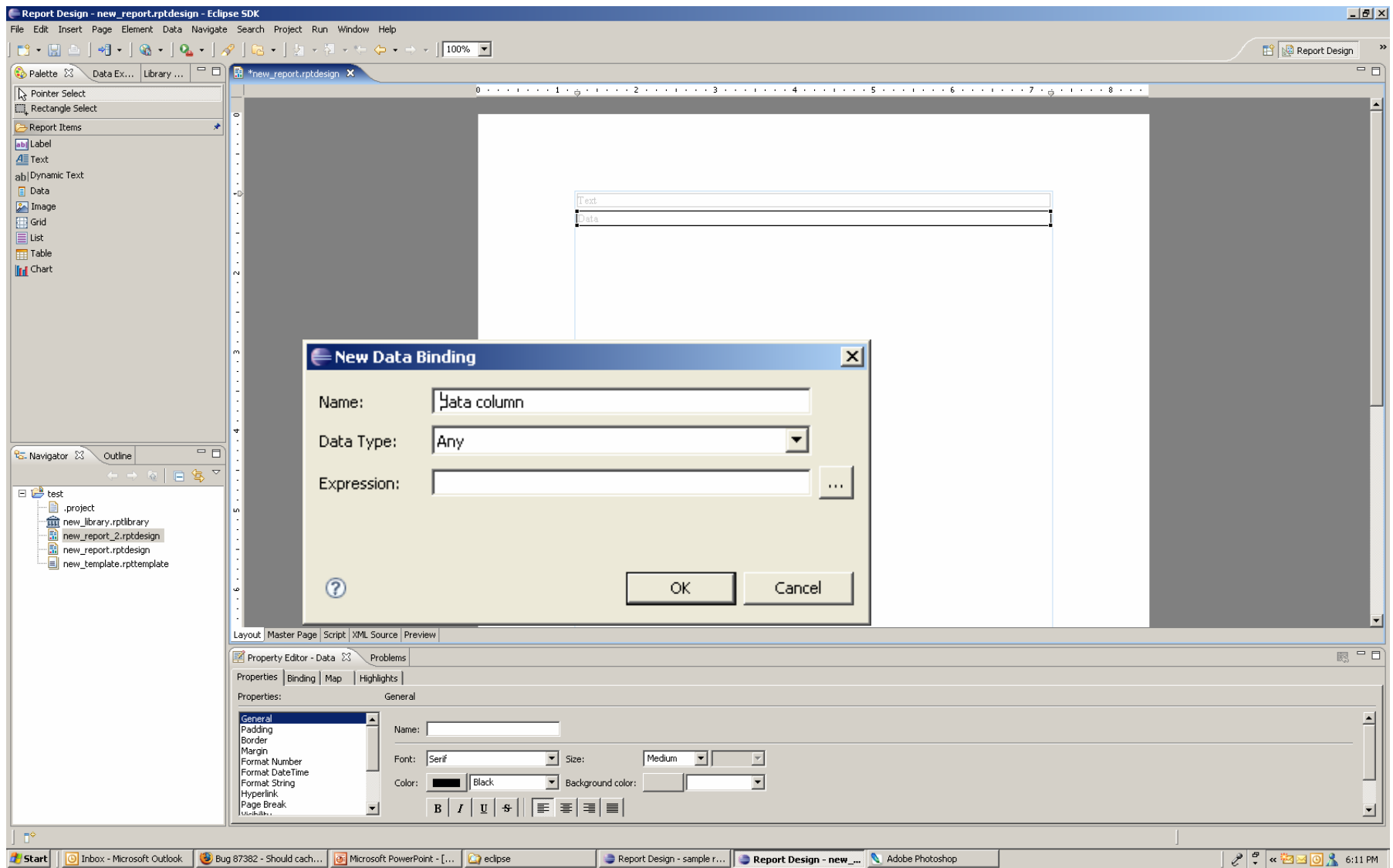
Filter Condition: 

Aggregate On: ☐ Table ☒ Group groupCountry

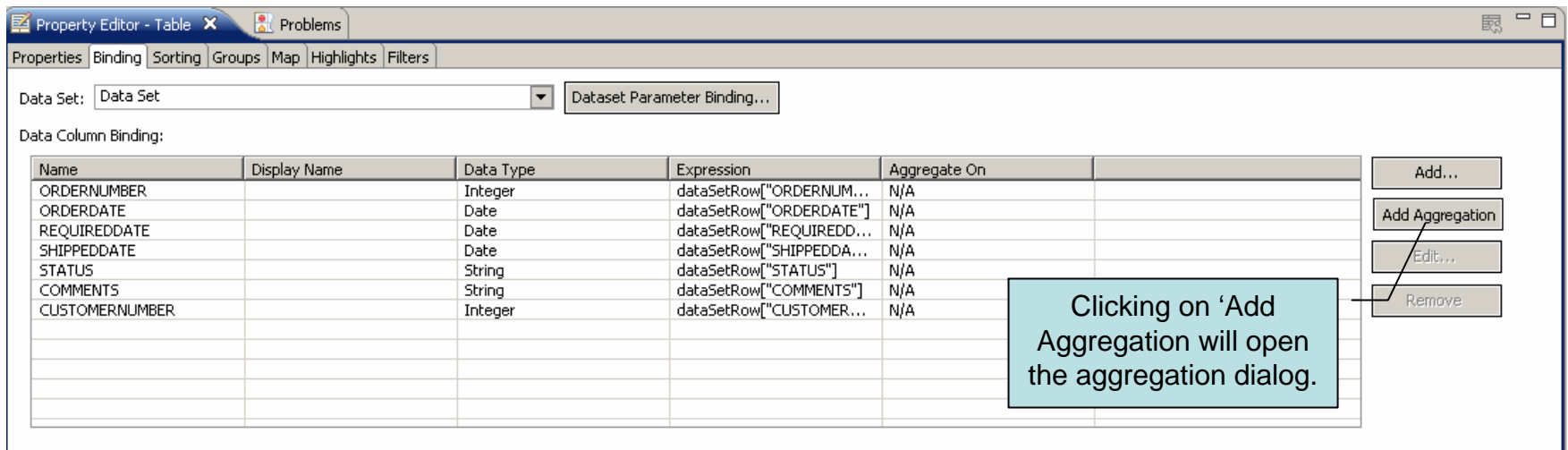
Scenario 3: Adding Data Item from Palette

Drag and drop data item from palette



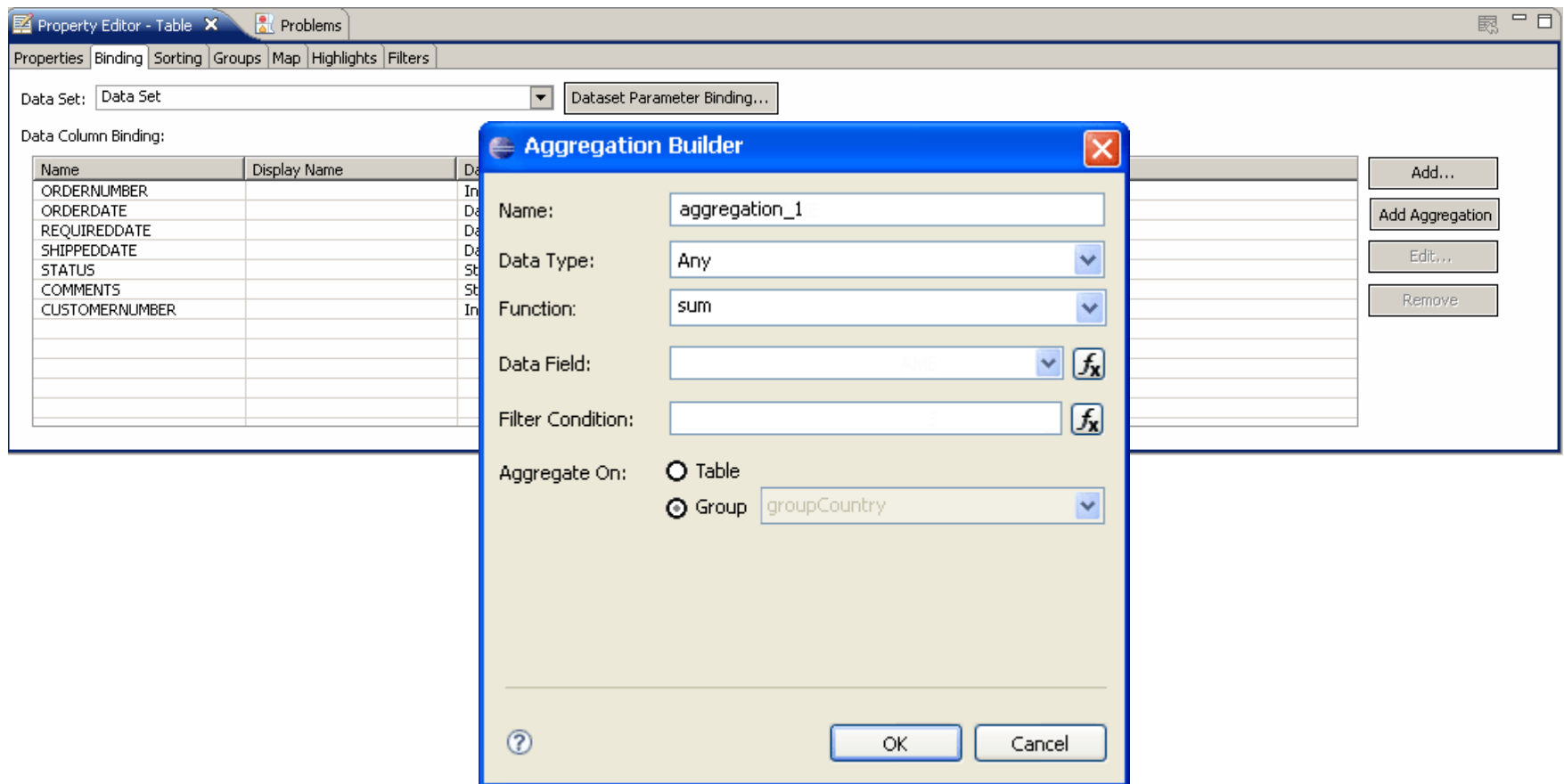
Scenario 4: Adding Aggregate from Data Binding Tab

Data Binding Dialog



Note:

1. Add a new button in property editor "Add Aggregation". It will work the same as scenario 1



Note:

1. The flow is the same as scenario 1