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3.06 Reportgenerator "ReportMaker" (Fortsetzung)

Functions of the ReportDesigner

The following example expanded functionalities of the designer are defined with the help of "project short list".

First, a new element for the report is created by using . In the selection list 'column content', referenced elements are available, depending on the document type. In the example for the project report the document type project is selected. The element customer, which is extracted from the customer system. These links can also be used in the ReportMaker. If a field within the selection box contains "...", the functionality can be used to select the available elements of the linked document.

#	Column content (* Figure)	Aggregate	Group	PageBreak	Visible	Sort Key	Asc#	ChartData	Caption
1.	Number			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.	
2.	Description			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2.	
3.	Begin_planning			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.	Planned Begin
4.	End_planning			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.	Planned End
5.	Customer			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5.	
6.	Contact			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6.	
7.	OfferValue		Agg_Sum	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7.	Offer
8.	OrderValue		Agg_Sum	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8.	Order
9.	Total		Agg_Sum	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9.	
10.	Customer...			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10.	
11.				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	11.	
12.				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	12.	
13.				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	13.	
14.				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	14.	

In the example, in addition to the customer of the projects, the associated branch is also displayed.

The screenshot shows the 'Report Project short list' window. On the left, there's a tree view of fields under 'Customer'. A specific field, 'Customer.Branch', is selected and highlighted with a blue background. On the right, there's a configuration table with columns: Aggregate, Group, PageBreak, Visible, Sort Key, Asc#, ChartData, and Caption. The table contains 14 rows, each corresponding to a field from the tree view. Row 6, which corresponds to 'Customer.Branch', has its 'Visible' checkbox checked. Other rows have their 'Visible' checkboxes unchecked. The 'Caption' column for row 6 is 'Customer.Branch'.

Then the field can be reordered. The field is moved to the top using 'up' (several times) ...

The screenshot shows a list of fields with a 'Column' header at the top. The field 'Customer.Branch' is currently at the bottom of the list. An 'Up' button is highlighted with a yellow box. The list includes fields like Number, Description, Begin_planning, End_planning, Customer, Contact, OfferValue, OrderValue, Total, and Customer.Branch. Each field has a dropdown arrow icon to its right.

... until the desired position is reached.

By using the functionality formulas can be used.

#	Column content (* Figure)	
1.	Number	...
2.	Description	...
3.	Begin_planning	...
4.	End_planning	...
5.	Customer	...
6.	Customer.Branch	...
7.	Contact	...
8.	OfferValue	...
9.	OrderValue	...
10.	Total	...
11.	(Formula)	...
12.		...

Then the appropriate input field is opened, in which the formula is defined.

11. (Formula)	...	...
<input type="text"/>		

Within the formula all basic operations can be used (+,-,*,/). When defining the formulas, the correct spelling should be considered (case sensitivity as well). In the example, a new field with the name 'difference' has been created, which is evaluated from the fields planned effort - actual effort and they should be added up (aggregate function).

Report Project short list

Save the document | Diagram | Misc

Name: Project short list
Title: Project overview (min)
Document type: Project
Time interval:
Max figures age: 24 h

Show: Data Diagram Format Figure

#	Column content (* Figure)	Aggregate	Group	PageBreak	Visible	Sort Key	Asc#	ChartData	Caption
1.	Number	...	...	□	□	✓	✓	1.	
2.	Description	...	...	□	□	✓	✓	2.	
3.	Begin_planning	...	...	□	□	✓	✓	3.	Planned Begin
4.	End_planning	...	...	□	□	✓	✓	4.	Planned End
5.	Customer	...	...	□	✓	□	✓	5.	
6.	Customer.Branch	...	...	□	□	✓	✓	6.	
7.	Contact	...	...	□	□	✓	✓	7.	
8.	OfferValue	...	Agg_Sum	□	□	✓	✓	8.	Offer
9.	Actual_time_spent *	...	...	□	□	✓	✓	9.	Actual Time
10.	Planned_time *	...	...	□	□	✓	✓	10.	Plan Time
11.	Total	...	Agg_Sum	□	□	✓	✓	11.	
12.	(Formula)	...	...	□	□	✓	✓	12.	Difference
(Planned_time - Actual_time_spent)									

After saving the report, the formula for the internationalization of the report will be reformatted. The new field "difference" is then shifted two positions upward.

# Spalteninhalt (* Kennzahl)	Aggregatfunktion	Gruppe	Sichtbar	Sortierung	Aufsteig	#	Diagramm	Caption	Zahlenformat	Breite	%	Periodisch
1. Nummer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.	...					Keine
2. Bezeichnung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2.	...					Keine
3. Plan-Beginn	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.	...					Keine
4. Plan-Ende	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.	...					Keine
5. Auftraggeber	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5.	...	Kunde				Keine
6. Auftraggeber.Branche	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6.	...					Keine
7. Plan-Aufwand	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7.	...					Keine
8. Ist-Aufwand	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8.	...					Keine
9. Angebotswert	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9.	...	Angebot				Keine
10. Rechnungsbetrag	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10.	...	Rechnung				Keine
11. (Formel)	(Plan-Aufwand - Ist-Aufwand)	...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	11.	...	Differenz				Keine

Afterwards, it is sorted and grouped by "customer".

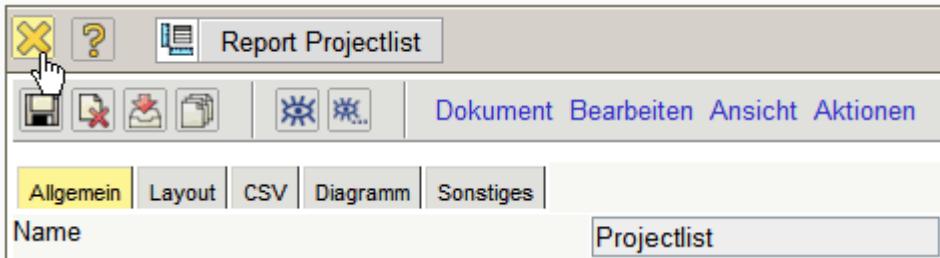
# Spalteninhalt (* Kennzahl)	Aggregatfunktion	Gruppe	Sichtbar	Sortierung	Aufsteig	#	Diagramm	Caption	Zahlenformat	Breite	%	Periodisch
1. Nummer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.	...					Keine
2. Bezeichnung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2.	...					Keine
3. Plan-Beginn	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.	...					Keine
4. Plan-Ende	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.	...					Keine
5. Auftraggeber	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5.	...	Kunde				Keine
6. Auftraggeber.Branche	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6.	...					Keine
7. Plan-Aufwand	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7.	...					Keine
8. Ist-Aufwand	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8.	...					Keine
9. (Formel)	(Plan-Aufwand - Ist-Aufwand)	...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9.	...	Differenz				Keine
10. Angebotswert	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10.	...	Angebot				Keine
11. Rechnungsbetrag	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	11.	...	Rechnung				Keine

The example-report can be after saving...

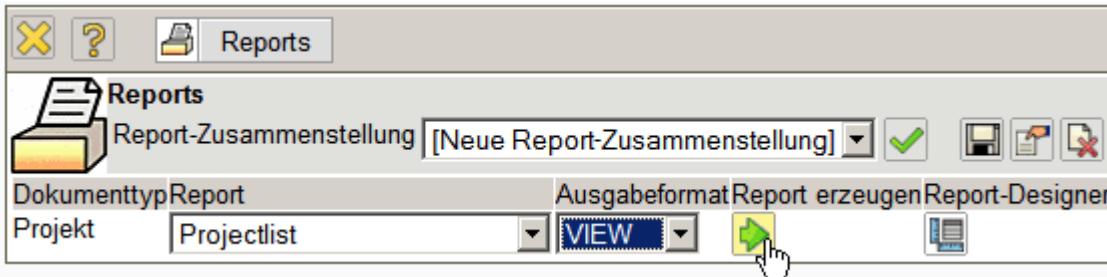
Allgemein	Layout	CSV	Diagramm	Sonstiges
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Name: Projectlist

... and closing ...



... directly used ...



...and then delivers the following chart with all parent projects sorted by "customer":

Projektübersicht												
Nummer	Bezeichnung	Plan-Beginn	Plan-Ende	Kunde	Branche	Plan-Aufwand	Ist-Aufwand	Differenz	Angebot	Rechnung		
106	Einführung Projectile	23.10.2006	19.12.2006	Airbus Deutschland GmbH	Sonstiges	328,00	90,75	237,25	51.720,00	7.235,00		
				Airbus Deutschland GmbH		328,00	90,75	237,25	51.720,00	7.235,00		
BMW06	Implementation TransportManager	15.12.2005	13.05.2006	BMW AG	Automotive	272,00	102,00	170,00	38.660,00	6.494,31		
BMW03	SAP Add-ons BMW	19.04.2005	12.05.2005	BMW AG	Automotive	116,00	178,75	-62,75	19.560,00	25.360,00		
93	RM-Modul	02.01.2007	19.02.2007	BMW AG	Automotive	240,00	0,00	240,00	0,00	0,00		
				BMW AG		628,00	280,75	347,25	58.220,00	31.854,31		
CS07	Einführung Projectile	19.06.2006	09.08.2006	CONSULT Holding	Beratung	170,00	228,25	-58,25	28.320,00	29.505,51		
92	QM-Modul	05.12.2006	26.01.2007	CONSULT Holding	Beratung	240,00	196,00	44,00	48.876,00	0,00		
				CONSULT Holding		410,00	424,25	-14,25	77.196,00	29.505,51		
100	Einführung Fibu	22.12.2006	02.02.2007	Jöckler Software GmbH	Software	168,00	10,50	157,50	0,00	0,00		
				Jöckler Software GmbH		168,00	10,50	157,50	0,00	0,00		
VF09	Einführung Projectile	13.03.2006	06.06.2006	Vattenfall Europe	Sonstiges	168,00	242,75	-74,75	0,00	0,00		
DS09	Einführung Risikomanagement	16.01.2006	05.05.2006	Vattenfall Europe	Sonstiges	164,00	122,50	41,50	26.940,00	0,00		
				Vattenfall Europe		332,00	365,25	-33,25	26.940,00	0,00		
				Summe		1.866,00	1.171,50	694,50	214.076,00	68.594,82		

... continued

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