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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 List".

First, a new element for the report is created by using . In the selection list 'column contents', reference elements are available, depending on the document type. In the example for the project report the document type project is selected. The element applicant, who is pulled out of the contact system. These links can also be used in the ReportMaker. If a field within the selection box "..." may contain, you can select by using the functionality the available elements of the linked document.

The screenshot shows the 'Report Projectlist' application window. At the top, there's a toolbar with icons for file operations like New, Open, Save, Print, and Help. Below the toolbar is a menu bar with 'Dokument', 'Bearbeiten', 'Ansicht', and 'Aktionen'. A tab bar at the top right includes 'Allgemein' (selected), 'Layout', 'CSV', 'Diagramm', and 'Sonstiges'. The main area has several input fields: 'Name' (Projectlist), 'Titel' (Projektübersicht), 'Dokumenttyp' (Projekt), 'Zeitintervall' (with a date range from 01.01.2025 to 31.12.2025), and 'Maximales Alter der Kennzahlen' (24 h). Below these are buttons for expanding/collapsing sections and sorting. The bottom half of the screen is a large table titled 'Spalteninhalt (* Kennzahl)' with 11 rows. The columns are: #, Spalteninhalt (* Kennzahl), Aggregatfunktion, Gruppe, Sichtbar, Sortierung, Aufsteig, #, Diagramm, Caption, Zahlenformat, Breite %, and Periodisch. The first row contains standard columns. Rows 2 through 10 show various aggregate functions like '1-Summe' and '1 - Summe' with corresponding dropdown menus. Row 11 is partially visible. The table has a grid-like appearance with alternating row colors.

In the example, in addition to the applicant of the projects the belonging branch should also be displayed.

The screenshot shows the 'Report Projectlist' configuration window. On the left, a sidebar lists various fields under 'Allgemein' (General) such as 'Auftraggeber...' (selected), 'Auftraggeber.Adresse', 'Auftraggeber.Alter_Firmennname', etc. On the right, there's a large table titled 'Aggregatfunktion Gruppe Sichtbar Sortierung Aufsteig. # Diagramm Caption Zahlenformat Breite % Periodisch'. The first row contains '1. Auftraggeber...' with 'Aufsteig. #' set to '1.' and 'Caption' set to 'Kunde'. Below this table is a list of 10 items, each with a checkbox and a dropdown menu. Item 10, 'Auftraggeber...' (with a checked checkbox), is highlighted with a yellow background.

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

This screenshot shows the 'Spalteninhalt (* Kennzahl)' configuration table. The columns are labeled '# Spalteninhalt (* Kennzahl)', '1. Nummer', '2. Bezeichnung', '3. Plan-Beginn', '4. Plan-Ende', '5. Auftraggeber', '6. Plan-Aufwand', '7. Ist-Aufwand', '8. Angebotswert', '9. Rechnungsbetrag', and '10. Auftraggeber.Branche'. The 'Auftraggeber...' field (checkbox checked) has been moved to the top of the list, indicated by the yellow highlight. The 'Up' button in the toolbar above the table is also highlighted with a yellow background.

... until the desired position is reached.

By using the functionality formulas can be used.



#	Spalteninhalt (* Kennzahl)			
<input type="checkbox"/> 1.	Nummer	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 2.	Bezeichnung	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 3.	Plan-Beginn	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 4.	Plan-Ende	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 5.	Auftraggeber	...	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> 6.	Auftraggeber.Branche	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 7.	Plan-Aufwand	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 8.	Ist-Aufwand	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 9.	Angebotswert	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 10.	Rechnungsbetrag	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 11.	(Formel)	...	<input checked="" type="checkbox"/>	
<input type="checkbox"/> 12.		...	<input type="checkbox"/>	

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

<input type="checkbox"/> 11.	(Formel)	...	<input checked="" type="checkbox"/>	

Within the formula all basic operations can be used (+,-,*,/). But in the definition of the formulas you must always respect the correct spelling (case sensitivity as well) In the example, a new field with the name 'difference' has to be created, which is evaluated from the fields planned effort - actual effort and they should be added up (aggregate function).

The screenshot shows the 'Report Projectlist' application window. At the top, there's a toolbar with various icons. Below it is a menu bar with 'Report Projectlist', 'Dokument', 'Bearbeiten', 'Ansicht', and 'Aktionen'. Under 'Dokument', there are tabs for 'Allgemein', 'Layout', 'CSV', 'Diagramm', and 'Sonstiges'. The 'Allgemein' tab is selected. In the main area, there's a form with fields for 'Name' (set to 'Projectlist'), 'Titel' (set to 'Projektübersicht'), 'Dokumenttyp' (set to 'Projekt'), 'Zeitintervall' (with a dropdown and several buttons), and 'Maximales Alter der Kennzahlen' (set to '24 h'). Below this is another toolbar with icons. The main content area contains a table for defining report columns. The table has columns for 'Spalteninhalt (* Kennzahl)', 'Aggregatfunktion', 'Gruppe', 'Sichtbar', 'Sortierung', 'Aufsteig.', '#', 'Diagramm', 'Caption', 'Zahlenformat', 'Breite %', and 'Periodisch'. The rows correspond to the numbered items from the first table, with row 11 being the '(Formel)' row. The 'Formel' field contains the formula 'Plan-Aufwand - Ist-Aufwand'. The 'Caption' field for this row is 'Differenz'.

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

The screenshot shows the 'Report Projectlist' configuration interface. The 'Allgemein' tab is selected. The 'Name' field contains 'Projectlist'. The 'Titel' field contains 'Projektübersicht'. The 'Dokumenttyp' dropdown is set to 'Projekt'. The 'Zeitintervall' dropdown shows '24 h'. The 'Maximales Alter der Kennzahlen' dropdown also shows '24 h'. Below these settings is a large table for column configuration. The table has columns for Spalteninhalt (* Kennzahl), Aggregatfunktion, Gruppe, Sichtbar, Sortierung, Aufsteig #, Diagramm, Caption, Zahlenformat, Breite %, and Periodisch. Rows represent different project metrics like 'Nummer', 'Bezeichnung', 'Plan-Beginn', etc., up to row 11 which is a formula '(Plan-Aufwand - Ist-Aufwand)'. Row 6, 'Auftraggeber.Branche', is highlighted with yellow. Row 9, '(Formel)', is also highlighted with yellow.

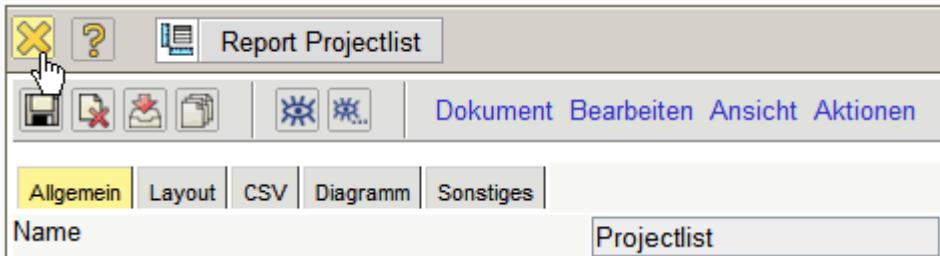
Afterwards, it is sorted and grouped by “customer”.

This screenshot shows the same configuration interface as the previous one, but with a different column configuration. The 'Caption' column now includes the metric names from the first screenshot. The 'Aufsteig #' column shows values 1 through 11. The 'Periodisch' column shows 'Keine' for most rows except for 'Kunde' which is 'Ja'. The formula row '(Plan-Aufwand - Ist-Aufwand)' is still highlighted in yellow.

The example-report can be after saving...

This screenshot shows the 'Allgemein' tab with the final settings. The 'Name' field is 'Projectlist'. The preview icon (a small report icon) is highlighted with a yellow box. The other tabs ('Layout', 'CSV', 'Diagramm', 'Sonstiges') are visible at the bottom.

... 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		

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