Calculation Field

<table>
<tr><td>Definition</td></tr>
<tr><td>Calculation Field allows you to perform a series of arithmetic computations to a set or a series of fields.</td></tr>
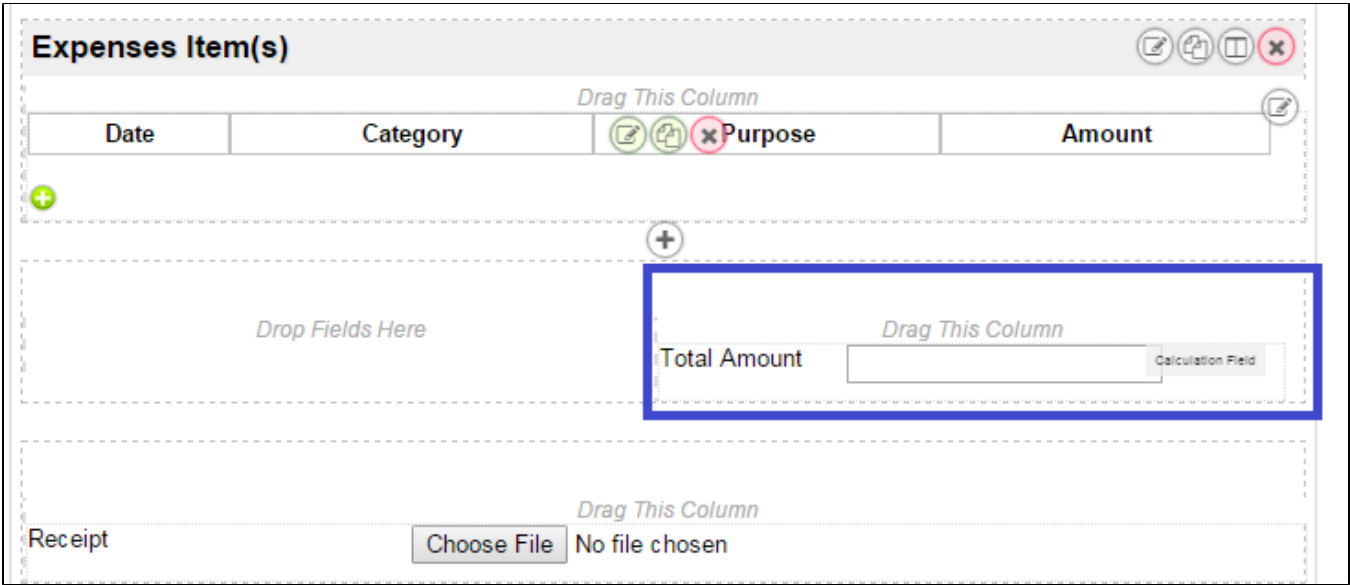</table>

Figure 1: Screenshot highlighting Calculation Field taken from sample HR Expenses Claim app

Screenshots taken from http://localhost:8080/jw/web/console/app/hr_expense/1/form/builder/hr_expense_claim

Figure 2: Calculation Field Properties

Name	Description
ID	Element ID (By declaring as "total", a corresponding database table column "c_total" will be created)
Label	Element Label to be displayed to end user.

	Name	Description
Variables	Variable Name	Declare a name to store current row equation result. ⓘ **Examples** • subtotal • discountPercent • charges
	Field ID	Form Field ID to retrieve. In the example above, we are summing at a specific column from a Form Grid. **Form Grid ID**: entries **Column in Form Grid**: formattedAmount **Field ID to be filled in**: entries.formattedAmount
	Multivalue Operation	• Sum • Avg • Min • Max
Equation		Arithmetic operation using the variables declared above. ⓘ **Example** • subtotal - (subtotal * discountPercent / 100) • subtotal - discountAmount • subtotal - charges (Correct) • subtotal-charges (Wrong) ⓘ **Important Notes** • It is important to include spacing in between operators. • The position and spacing of all elements of an equation must be exactly as they are to appear in printed form.

Figure 3: Calculation Field Properties - Advanced Options

Name	Description
Validator	Attach a Validator plugin to validate the input value. ⓘ **When will validation takes place?** Validation will takes place whenever form is submitted except when it is submitted as "Save as Draft".
Formatting Style	• US Style Formatting (1,000.00) • European Formatting (1.000,00)
Number of Decimal	Number of Decimal
Prefix	Prefix of the calculated value
Postfix	Postix of the calculated value
Use Thousand Separator?	Thousand Separator toggle.
Hidden?	Shows this element to the end user.
Display as Label?	Displays the value of the element as plain text.

Workflow Variable	If the form is part of a workflow process, upon saving of the form (by clicking on "Save as Draft" or "Complete" button). The value in this input field will be saved into the corresponding workflow variable named here.
	Using a non-existent Workflow Variable name You will get the following warning with the name printed out (e.g. status) in the server log if you attempt to map to a non-existent Workflow Variable. ``` context attribute status does not exist in process context - adding new attributes to the process context is not allowed ```