

Form Grid

Definition

Form Grid extends the default functionalities of a typical grid element.

Unlike the generic grid element that only accepts standard text field for its inputs, the Enhanced Grid Form Element captures data by making reference to another form element.

Hence, one can take full advantage of what a typical form element has to offer, e.g., validation and formatting.

New Feature

New feature added in Joget Workflow v6.

- Paging
- Delete Options
- Multiple Lines Format Type

Drag This Column

Expense Claim Details

Ref AUTO

Title *

Submitted By

Note: The title should appear in this format, example, Jan 06

Password

Expenses Item(s)

Drag This Column

Date	Category	Purpose	Amount
+			

Drop Fields Here

Drag This Column

Total Amount Calculation Field

Drag This Column

Receipt No file chosen

Figure 1: Screenshot of Form Grid in sample HR Expenses Claim app

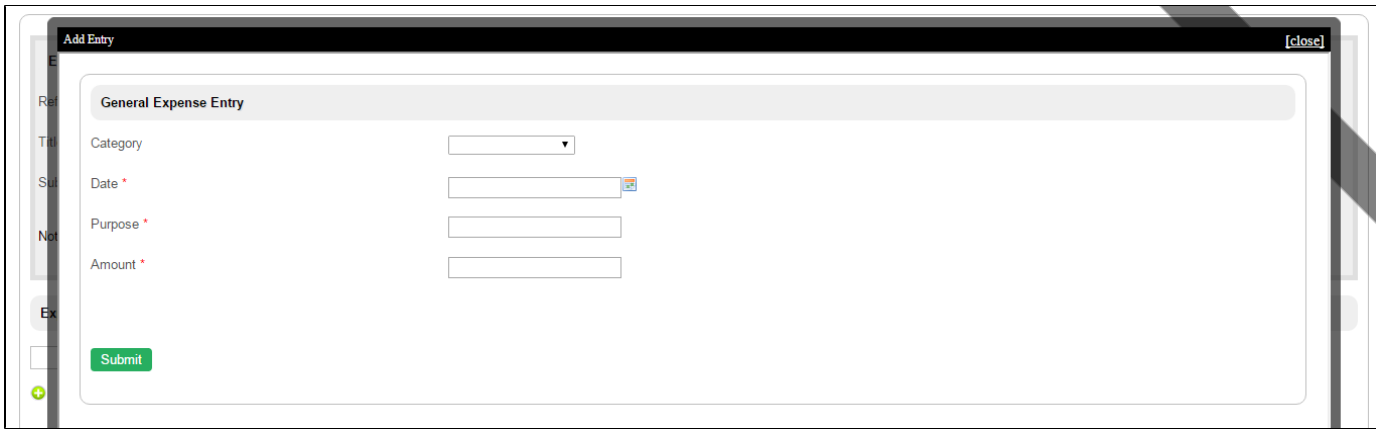


Figure 2: Screenshot of Form Grid in sample HR Expenses Claim app - Add New Row

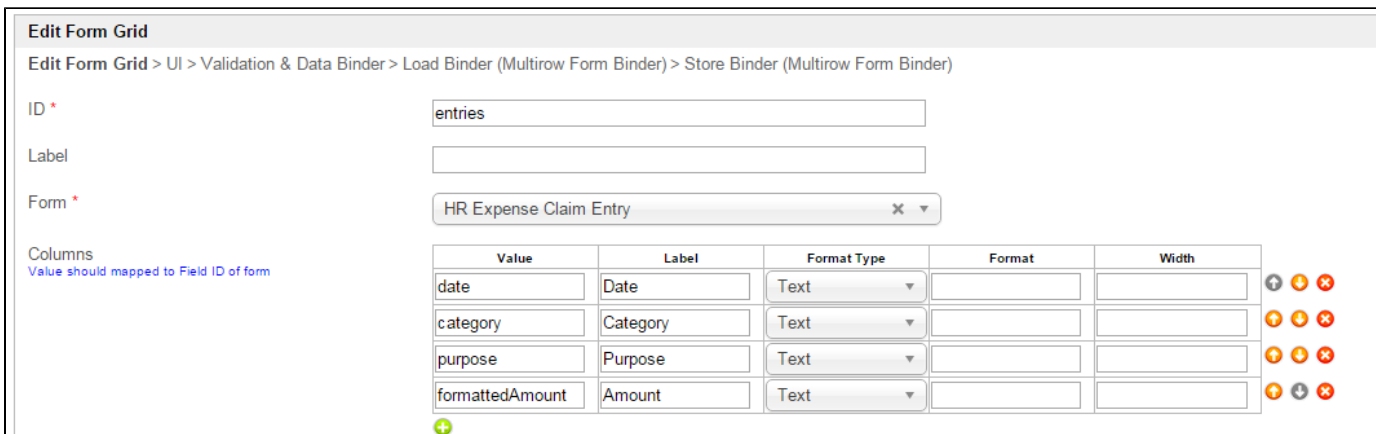


Figure 3: Form Grid Properties

Name	Description
ID	Element ID (By declaring as "entries", a corresponding database table column "c_entries" will be created)
Label	Element Label to be displayed to end user.
Form	Target form to reference to.

Columns The columns defined here must be correspondent to the Form chosen above.

Name	Description
Value	<p>Field ID of the form element to reference to the target form.</p> <div style="border: 1px solid blue; padding: 5px;"><p><u>Example:</u></p><p>In "HR Expense Claim Entry" form, there are Form Elements with the ID "date", "category", "purpose", and "formattedAmount".</p></div>
Label	Column Label.
Format Type	<p>If you would like to format the returned value, you may make use of the format type.</p> <p>Default choice: Text.</p> <p><u>Available Format Types</u></p> <ul style="list-style-type: none">• Text - formats the value as text• HTML - outputs data as HTML• Multiple lines text - maintains the spacing formatting for multiple lines text, such as TextArea.• Decimal - formats as decimal. Number of decimals is expected in the "Format" field.• Date - formats as date. Original Date and New Date formats are expected in the "Format" field. <div style="border: 1px solid blue; padding: 5px;"><p>Format: (original format) (new format)</p><p><u>Example of usage:</u></p><p>Original value: 5/23/2012</p><p>Expected value: 2012/5/23</p><p>Format : M/d/y y/M/d</p><p>Note: Please refer to Java SimpleDateFormat for date format.</p></div> <ul style="list-style-type: none">• File - Show the value as a link to the attachment. Form Def ID is expected in the "Format" field. <div style="border: 1px solid gray; padding: 5px;"><p>Expected Form Def ID</p><p>Specify the Form Def ID that contains the actual File Upload form element.</p></div> <ul style="list-style-type: none">• Image - Show the value as a thumbnail of the attachment. Form Def ID is expected in the "Format" field. <div style="border: 1px solid gray; padding: 5px;"><p>Expected Form Def ID</p><p>Specify the Form Def ID that contains the actual Image Upload / File Upload form element.</p></div> <ul style="list-style-type: none">• Options - Show the label of multiple choice element given the value given. Form Def ID is expected in the "Format" field. <div style="border: 1px solid gray; padding: 5px;"><p>Expected Form Def ID</p><p>Specify the Form Def ID that contains the actual Select Box / Radio / Check Box form element.</p></div>
Format	Depending on your chosen Format Type, additional argument may be entered here.
Width	<p>Column width in characters.</p> <div style="border: 1px solid gray; padding: 5px;"><div style="border: 1px solid gray; background-color: #f0f0f0; width: 100px; height: 20px; margin: 5px auto;"></div><p style="text-align: center;">Sample</p><p style="text-align: center;">200px</p></div>

UI

Edit Form Grid > **UI** > Validation & Data Binder > Store Binder (Multirow Form Binder) > Load Binder (Multirow Form Binder)

Sorting

Enable Sorting Feature

Field ID for Sorting *

Field ID is used to keep sorting data. Required when enable sorting feature.

Form

Form Submit Button Label (Normal Mode)

Form Submit Button Label (Readonly Mode)

Display field as Label when readonly?

Popup Dialog Height

Popup Dialog Width

Grid

Readonly

Disable Add Feature


Disable Delete Feature


Delete confirmation message

Show Row Numbering?

Paging Size

Figure 4: Form Grid Properties - UI

Name	Description
Enable Sorting Feature	Determines if ordering of rows is to be enforced.
Field ID for Sorting	Field to keep the ordering sequence; must correspond with a field id in the target form.
Form Submit Button Label (Normal Mode)	Label of the Submit button in normal mode.
Form Submit Button Label (Readonly Mode)	Label of the Submit button in read-only mode.
Display field as Label when readonly?	Displays the value of the element as plain text when element is set to "Readonly".
Popup Dialog Height	Specifies the height, in characters. 

Popup Dialog Width	Specifies the width, in characters. 
Readonly	Determines if the element is editable.
Disable Add Feature	Determines if a new row can be added.
Disable Delete Feature	Determines if a row can be removed.
Delete confirmation message	Confirmation message when deleting a row.
Show Row Numbering?	Shows numbering on the grid.
Paging Size	Items to be displayed per page.

Validation & Data Binder

Edit Form Grid > UI > **Validation & Data Binder** > Store Binder (Multirow Form Binder) > Load Binder (Multirow Form Binder)

Validation

Validator

Unique Column

Min Number of Row Validation (Integer)

Max Number of Row Validation (Integer)

Error Message

Data Binder

Load Binder

Store Binder

Child Form Data Deletion Options

Please note that these options will be override if a higher level value is set.

Delete Associated Grid Data?

Delete Associated Child Form Data?

Delete Files?

Abort Related Running Processes?

Figure 5: Form Grid Properties - Validation & Data Binder

Name	Description
------	-------------

Validator	<p>Attach a Validator plugin to validate the input value. Please see Form Validator.</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p>When will validation takes place? Validation will takes place whenever form is submitted except when it is submitted as "Save as Draft".</p> </div>
Unique Column	Column/Field ID to identify record ID.
Min Number of Row Validation (Integer)	Min Number of Row Validation (Integer)
Max Number of Row Validation (Integer)	Max Number of Row Validation (Integer)
Error Message	Error message to be shown when row requirements set above is not met.
Load Binder	<p>Option by default. Grid data will be saved/loaded in JSON format in its defined database cell.</p> <p>In this example, Multirow Form Binder is used to load data from other form. See list of available Form Binder.</p>
Store Binder	<p>Option by default. Grid data will be saved/loaded in JSON format in its defined database cell.</p> <p>In this example, Multirow Form Binder is used to load data from other form. See list of available Form Binder.</p>
Delete Associated Grid Data?	<p>If the popup form have grid element(s), this option will delete the inner grid data.</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p style="text-align: center;">Caution</p> <p>These 3 options: (Delete Associated Grid Data, Delete Associated Child Form Data, Delete Files), in combination, does apply to nested grid/child elements.</p> <p>These options traverses the entire form tree. Upon encountering a 'false' condition, it will move on to the next grid/child element.</p> <p>Example: Consider that the popup form has a form grid, form grid has a subform, subform has a file upload element with abc.pdf. If all options are checked, abc.pdf will be deleted. If all except ONE of the option is checked, abc.pdf will NOT be deleted.</p> </div>
Delete Associated Child Form Data?	<p>If the popup form have child element(s), this option will delete the child data.</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p style="text-align: center;">Caution</p> <p>These 3 options: (Delete Associated Grid Data, Delete Associated Child Form Data, Delete Files), in combination, does apply to nested grid/child elements.</p> </div>
Delete Files?	<p>If the popup form contains file upload element, this option will delete the actual uploaded file(s).</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p style="text-align: center;">Caution</p> <p>These 3 options: (Delete Associated Grid Data, Delete Associated Child Form Data, Delete Files), in combination, does apply to nested grid/child elements.</p> </div>
Abort Related Running Processes?	If there are process instances related to the deleted row, this options will abort those process instances.

Learning More
Download a tutorial app on [Grids](#) from [Joget Workflow Marketplace](#) to learn more.

Related Tutorials

- [File Upload in Grid](#)
- [Duplicate Form Grid](#)

