

# Form Grid

**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.

*Drag This Column*

### Expense Claim Details

Ref AUTO

Title \*

Submitted By Admin Admin

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*

Total Amount  *Drag This Column* Calculation Field

Receipt  No file chosen *Drag This Column*

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

Add Entry [close]

### General Expense Entry

Category

Date \*

Purpose \*

Amount \*

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

**Edit Form Grid**

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

ID \*

Label

Form \*

Columns  
Value should mapped to Field ID of form

Value	Label	Format Type	Format	Width	
<input type="text" value="date"/>	<input type="text" value="Date"/>	<input type="text" value="Text"/>	<input type="text"/>	<input type="text"/>	⬅ ➡ ✖
<input type="text" value="category"/>	<input type="text" value="Category"/>	<input type="text" value="Text"/>	<input type="text"/>	<input type="text"/>	➡ ➡ ✖
<input type="text" value="purpose"/>	<input type="text" value="Purpose"/>	<input type="text" value="Text"/>	<input type="text"/>	<input type="text"/>	➡ ➡ ✖
<input type="text" value="formattedAmount"/>	<input type="text" value="Amount"/>	<input type="text" value="Text"/>	<input type="text"/>	<input type="text"/>	➡ ⬅ ✖

+

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.								
Columns	<p>The columns defined here must be correspondent to the Form chosen above.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Value</td> <td> <p>Field ID of the form element to reference to the target form.</p> <p>Example:</p> <p>In "HR Expense Claim Entry" form, there are Form Elements with the ID "date", "category", "purpose", and "formattedAmount"</p> </td> </tr> <tr> <td>Label</td> <td>Column Label.</td> </tr> <tr> <td>Format Type</td> <td> <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><b>Available Format Types</b></p> </td> </tr> </tbody> </table>	Name	Description	Value	<p>Field ID of the form element to reference to the target form.</p> <p>Example:</p> <p>In "HR Expense Claim Entry" form, there are Form Elements with the ID "date", "category", "purpose", and "formattedAmount"</p>	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><b>Available Format Types</b></p>
Name	Description								
Value	<p>Field ID of the form element to reference to the target form.</p> <p>Example:</p> <p>In "HR Expense Claim Entry" form, there are Form Elements with the ID "date", "category", "purpose", and "formattedAmount"</p>								
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><b>Available Format Types</b></p>								

- **Text** - formats the value as text
- **HTML** - outputs data as HTML
- **Date** - formats as date. Original Date and New Date formats are expected in the "**Format**" field.

**Format:** (input format)|(output format)

Example of usage:

**Original value:** 5/23/2012

**Expected value:** 2012/5/23

**Format:** M/d/yy/M/d

Note: Please refer to [Java SimpleDateFormat](#) for date format.

- **Decimal** - formats as decimal. Number of decimals is expected in the "**Format**" field.
- **File** - Show the value as a link to the attachment. **Form Def ID** is expected in the "**Format**" field.



#### Expected Form Def ID

Specify the **Form Def ID** that contains the actual **File Upload** form element.

- **Image** - Show the value as a thumbnail of the attachment. **Form Def ID** is expected in the "**Format**" field.



#### Expected Form Def ID

Specify the **Form Def ID** that contains the actual **Image Upload / File Upload** form element.

- **Options** - Show the label of multiple choice element given the value given. **Form Def ID** is expected in the "**Format**" field.



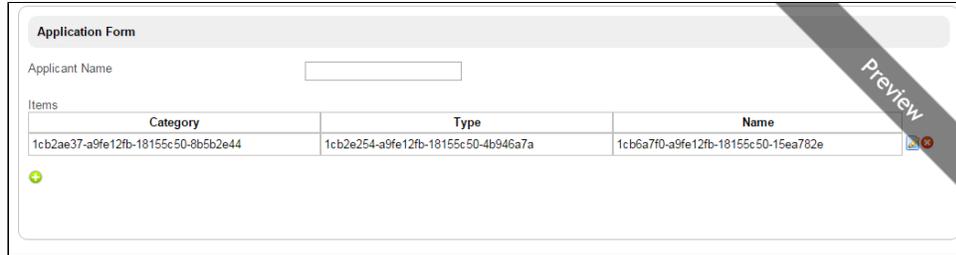
#### Expected Form Def ID

Specify the **Form Def ID** that contains the actual **Select Box / Radio / Check Box** form element.

## Options Format Type

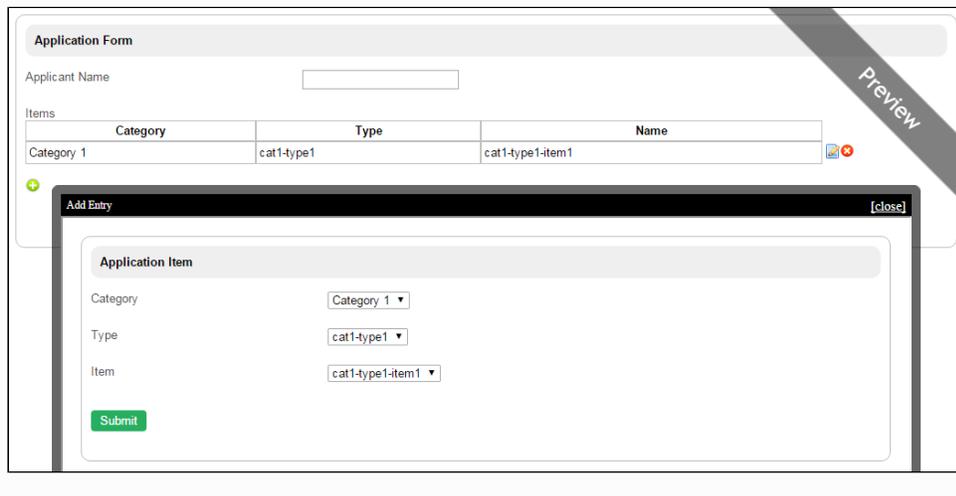
The **Options** format type is newly introduced in Joget Workflow v5.

The screenshot below shows an entry added with its values sourced from select box.



Category	Type	Name
1cb2ae37-a9fe12fb-18155c50-8b5b2e44	1cb2e254-a9fe12fb-18155c50-4b946a7a	1cb6a7f0-a9fe12fb-18155c50-15ea782e

The screenshot below shows the corresponding label for the value captured using the **Options** format type.



Category	Type	Name
Category 1	cat1-type1	cat1-type1-item1

**Application Item**

Category:

Type:

Item:

Format Depending on your chosen Format Type, additional argument may be entered here.

Width Column width in characters.

Sample

200px

**UI**

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

**Sorting**

Enable Sorting Feature

Field ID for Sorting

**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

Disabled Add Feature

Disabled Delete Feature

Delete confirm message

Show Row Numbering?

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.
Popup Dialog Height	Specifies the height, in characters.  <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;"> <p><b>Sample</b></p> <p>200px</p> </div>
Popup Dialog Width	Specifies the width, in characters.  <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;"> <p><b>Sample</b></p> <p>200px</p> </div>
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.

**Validation & Data Binder**

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

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**Validation**

Validator

Unique Column

Min Number of Row Validation (Integer)

Max Number of Row Validation (Integer)

Error Message

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**Data Binder**

Load Binder

Store Binder

Figure 5: Form Grid Properties - Validation & Data Binder

Name	Description
Validator	Attach a Validator plugin to validate the input value. <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p><b>When will validation takes place?</b></p> <p>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	Option by default. Grid data will be saved/loaded in JSON format in its defined database cell.  In this example, Multirow Form Binder is used to load data from other form.
Store Binder	Option by default. Grid data will be saved/loaded in JSON format in its defined database cell.  In this example, Multirow Form Binder is used to load data from other form.

**Configure Multirow Form Binder**

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

Form \*

Foreign Key \*

Figure 6: Form Grid Properties - Load Binder - Multirow Form Binder

Name	Description
Form	Form to store to or load from
Foreign Key	Foreign Key for records lookup.

**Configure Multirow Form Binder**

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

Form \*  x ▾

Foreign Key \*

Figure 6: Form Grid Properties - Store Binder - Multirow Form Binder

Name	Description
Form	Form to store to or load from
Foreign Key	Foreign Key for records lookup.