

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.

The screenshot displays a form grid for an HR Expenses Claim application. It is divided into several sections:

- Expense Claim Details:** A shaded area containing fields for 'Ref' (value: AUTO), 'Title *' (text input), 'Submitted By' (value: Admin Admin), a note: 'Note: The title should appear in this format, example, Jan 06', and 'Password' (text input).
- Expenses Item(s):** A table with columns 'Date', 'Category', 'Purpose', and 'Amount'. A green plus icon is visible in the bottom-left corner of the table area.
- Total Amount:** A 'Total Amount' label next to a text input field, with a 'Calculation Field' label to its right.
- Receipt:** A 'Choose File' button and the text 'No file chosen'.

Drag handles ('Drag This Column') are visible above the Expense Claim Details section, above the table header, above the Total Amount field, and above the Receipt section.

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

The screenshot shows a dialog box titled 'Add Entry' with a '[close]' button in the top right corner. The dialog contains a 'General Expense Entry' form with the following fields:

- 'Category': A dropdown menu.
- 'Date *': A text input field with a calendar icon on the right.
- 'Purpose *': A text input field.
- 'Amount *': A text input field.

A green 'Submit' button is located at the bottom left of the form area.

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>Available Format Types</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>Available Format Types</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>Available Format Types</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.



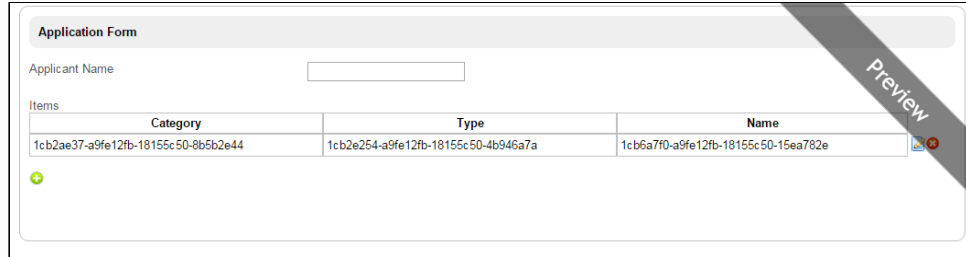
Expected Form Def ID

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.



The screenshot shows an "Application Form" with an "Applicant Name" field. Below it is an "Items" table with three columns: "Category", "Type", and "Name". The first row contains the following values: "1cb2ae37-a9fe12fb-18155c50-8b5b2e44", "1cb2e254-a9fe12fb-18155c50-4b946a7a", and "1cb6a7f0-a9fe12fb-18155c50-15ea782e". A green plus icon is visible below the table. A "Preview" banner is in the top right corner.

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.



The screenshot shows the same "Application Form" but with the "Items" table containing "Category 1", "cat1-type1", and "cat1-type1-item1". An "Add Entry" dialog box is open, showing a form with three dropdown menus: "Category" (selected "Category 1"), "Type" (selected "cat1-type1"), and "Item" (selected "cat1-type1-item1"). A green "Submit" button is at the bottom of the dialog. A "Preview" banner is in the top right corner.

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>Sample</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>Sample</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)

Validation

Validator

Unique Column

Min Number of Row Validation (Integer)

Max Number of Row Validation (Integer)

Error Message

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>When will validation takes place?</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.