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.

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

Edit Form Grid

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

ID *	entries
Label	
Form *	HR Expense Claim Entry

Columns
Value should mapped to Field ID of form

Value	Label	Format Type	Format	Width	
date	Date	Text			
category	Category	Text			
purpose	Purpose	Text			
formattedAmount	Amount	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	The columns defined here must be correspondent to the Form chosen above.

Name	Description
Value	Field ID of the form element to reference to the target form. Example: In "HR Expense Claim Entry" form, there are Form Elements with the ID "date", "category", "purpose", and "formattedAmount"
Label	Column Label.
Format Type	If you would like to format the returned value, you may make use of the format type. Default choice: Text. **Available Format Types**

- **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/y|y/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.
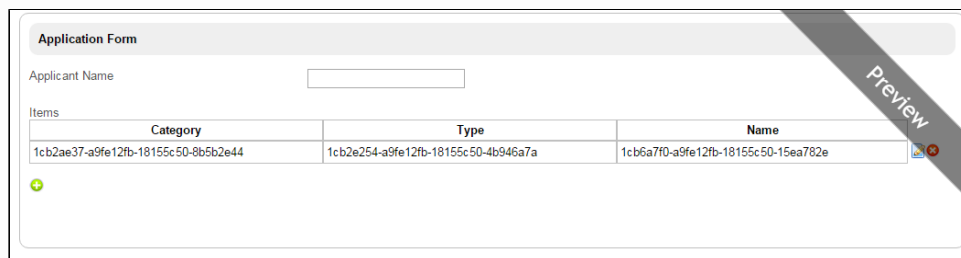
  > ⓘ Expected Form Def ID
  >
  > Specify the **Form Def ID** that contains the actual **Select Box / Radio / Check Box** form element.

ⓘ
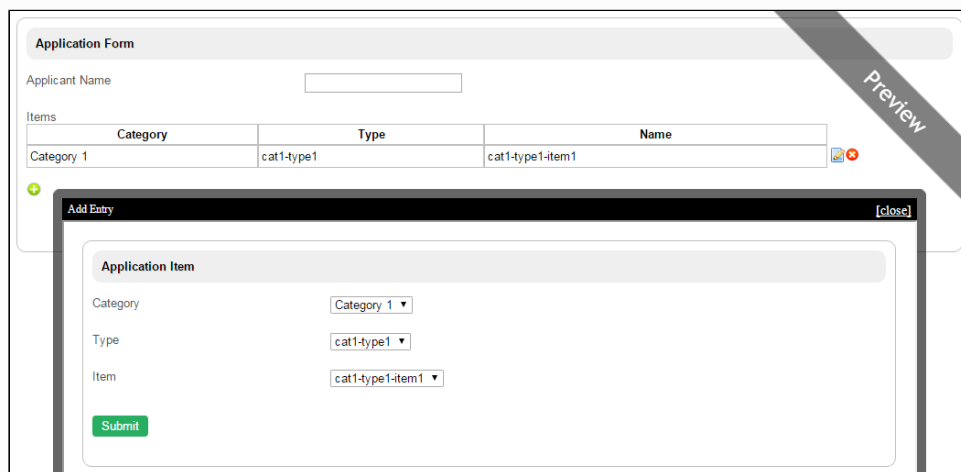
Options Format Type

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.

Application Form

Applicant Name

Items

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

Preview

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

Application Form

Applicant Name

Items

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

Add Entry   [close]

Application Item

Category   Category 1 ▾

Type   cat1-type1 ▾

Item   cat1-type1-item1 ▾

Submit

Preview

Format	Depending on your chosen Format Type, additional argument may be entered here.
Width	Column width in characters.

Sample

200px

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. **Sample** 200px
Popup Dialog Width	Specifies the width, in characters. **Sample** 200px
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.

Figure 5: Form Grid Properties – Validation & Data Binder

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".
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.

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 * | HR Expense Claim Entry | × ▾ |
| Foreign Key * | claim |

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.