

List Grid

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Introduction

The **List Grid** is best described similar to a [Form Grid](#), but with the capability to add new records from a Datalist instead.

The Advanced Grid is only available on **Professional** and **Enterprise** Edition.

Get Started

The easiest way to see how the List Grid works is to create a new app. Here are the steps:

1. Start the **Joget Server** and open the **App Center**.
2. Log in as **admin** and click on the **Design New App** button. (see Figure 1)

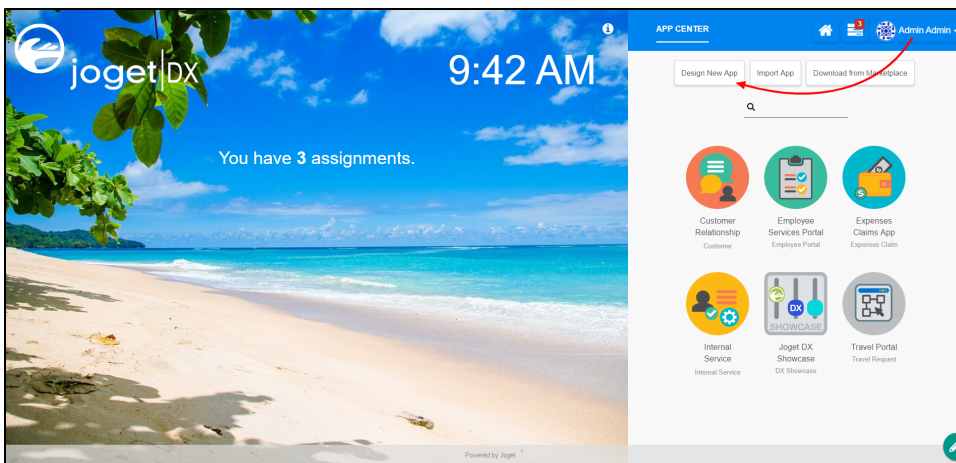


Figure 1

3. Fill up the **App Details** as follows and click **Save** (see Figure 2):
 - i. App ID: **listgrid**
 - ii. App Name: **List Grid**

DESIGN NEW APP

APP DETAILS

App ID

listgrid

App Name

List Grid

Show Advanced Options

Save

Cancel

Figure 2

4. You will be directed to the **Design App**. Click on the **Create New Form** button and fill up the Form Details as follows (see Figure 3):
- a. Form ID: **formA**
 - b. Form Name: **Form A**
 - c. Table Name: **lg_a**

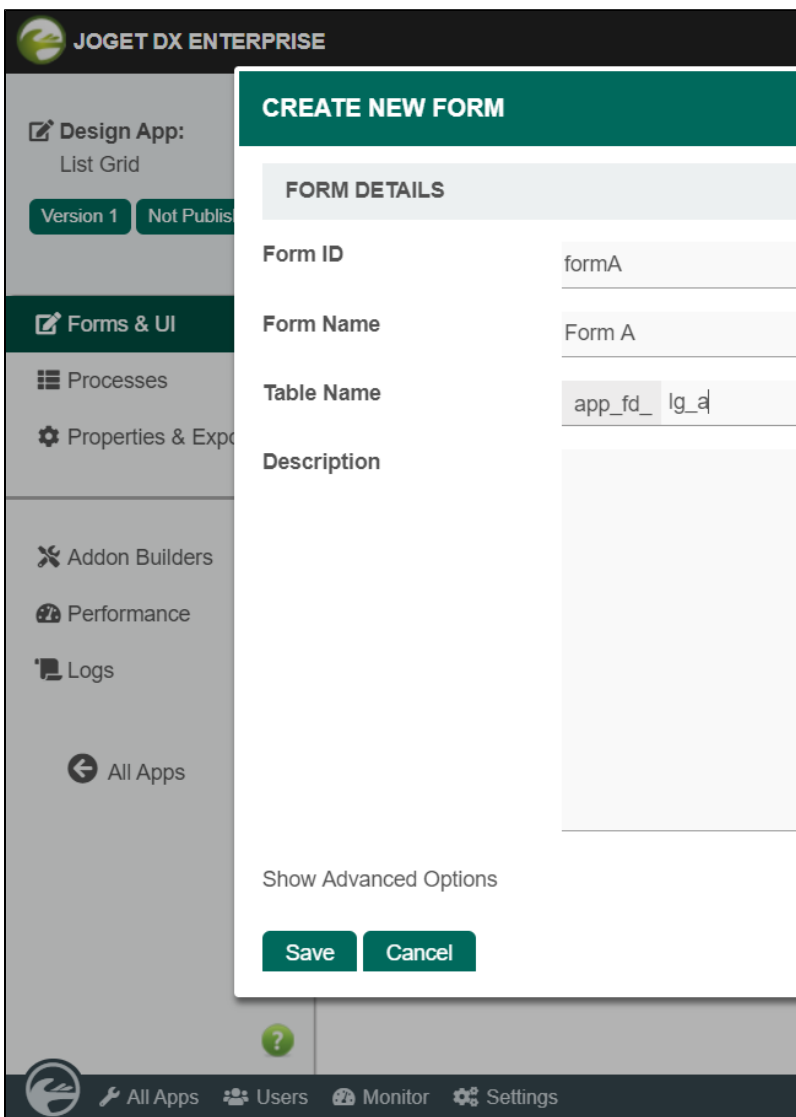


Figure 3

5. Click on **Save** and you will be directed to the **Form Builder**.
6. Drag and drop a **Text Field** element on to the canvas.
7. **Hover** the mouse over the **Text Field** element on the canvas and click on **Edit** to open up the Edit Text Field properties.
8. Fill up the **Edit Text Field** properties as follows and click on **OK** (see Figure 4):
 - i. ID: **name**
 - ii. Label: **Name**

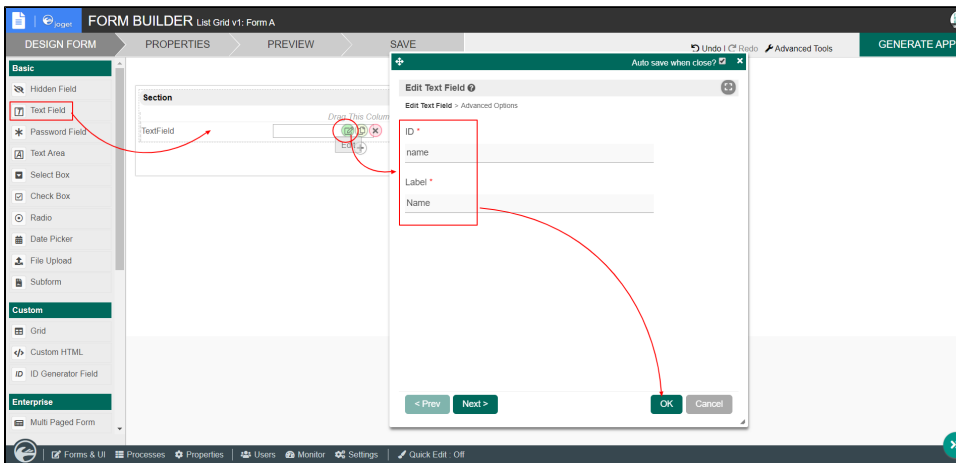


Figure 4

9. Click on **Save** on the **Form Builder**.
10. Click on **Generate App**, select **Generate CRUD** and click **OK** (see Figure 5)
11. Once the **App Generator** is complete, click on the link to launch the userview.
12. Click on **New** button and **Save** at least 2 records of data (see Figure 5)

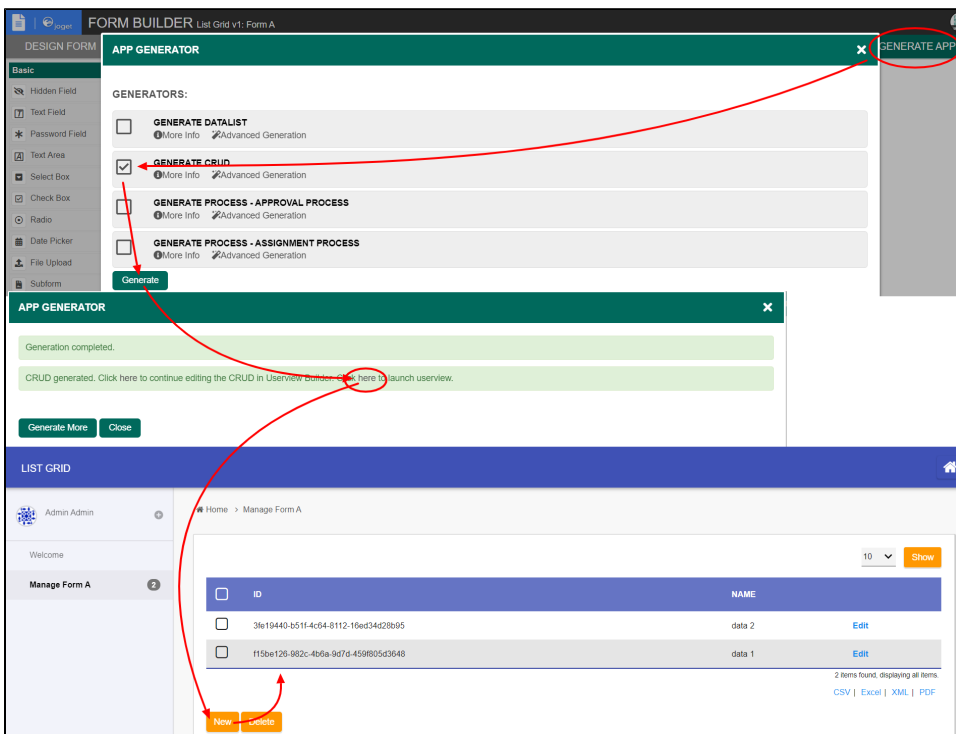


Figure 5

13. Head back to the **Design App**.
14. Click on the **Create New Form** button and fill up the Form Details as follows:
 - a. ID: **formB**
 - b. Form Name: **Form B**
 - c. Table Name: **lg_b**
15. Click on **Save** and you will be directed to the **Form Builder**.
16. Drag and drop a **List Grid** element on to the canvas.
17. **Hover** the mouse over the **List Grid** element on the canvas and click on **Edit** to open up the Edit List Grid properties.

18. Fill up the **Edit List Grid** properties as follows and click on **Next** (see Figure 6):

- a. Datalist: **List - Form A**
- b. Columns:

Field ID	Label
name	Name

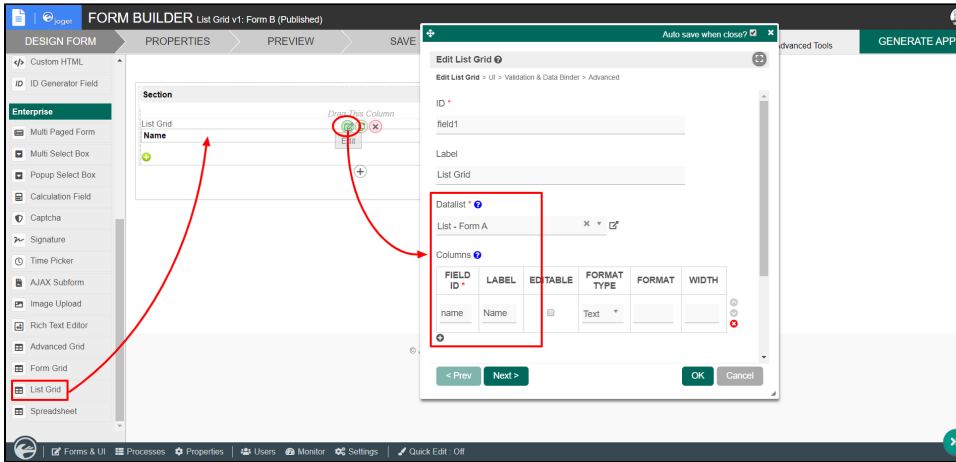


Figure 6

19. Click on **Preview**, click on the **plus** sign on the List Grid and it will open up a popup list displaying the data you recently entered in step 12. Tick any number of rows and click **Submit** button. The name of the data selected will be displayed in the List Grid.

List Grid Properties

Edit List Grid

+

Auto save when close? ☒

Edit List Grid ?

Edit List Grid > UI > Validation & Data Binder > Advanced

ID *

field1

Label

List Grid

Datalist * ?

List - Form A

Columns ?










FIELD ID *	LABEL	EDITABLE	FORMAT TYPE	FORMAT	WIDTH
name	Name	<input type="checkbox"/>	Text		

< Prev

Next >

OK

Cancel

Name	Description														
ID	Element ID (By declaring as "account", a corresponding database table column "c_account" will be created) Please see Form Element for more information about defining the ID and list of reserved IDs.														
Label	Element Label to be displayed to the end-user.														
Datalist	Datalist to display for selection.														
Columns	<div>The columns defined here must be correspondent to the Data List chosen above.</div> <table><tr><th>Name</th><th>Description</th></tr><tr><td>Value</td><td>Field ID of the target form. Example: In the "Account" form sourced in the Datalist "Account Listing", there are Form Elements with the ID "id", and "accountName".</td></tr><tr><td>Label</td><td>Column Label.</td></tr><tr><td>Editable</td><td>Yes/No</td></tr><tr><td>Format Type</td><td><div>If you would like to format the returned value, you may make use of the format type.</div><div>Default choice: Text</div><div>Available Format Types<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 a decimal. The number of decimals is expected in the "Format" field.• Date - formats as a date. Original Date and New Date formats are expected in the "Format" field.<div>Format: (original format) (new format) <u>Example of usage:</u> Original value: 5/23/2012 Expected value: 2012/5/23 Format : M/d/yyyy/M/d Note: Please refer to Java SimpleDateFormat for date format.</div></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><div> Expected Form Def ID Specify the Form Def ID that contains the actual File Upload form element.</div></div>• Image - Show the value as a thumbnail of the attachment. Form Def ID is expected in the "Format" field.<div><div> Expected Form Def ID Specify the Form Def ID that contains the actual Image Upload / File Upload form element.</div></div>• Options - Show the label of a multiple-choice element given the value given. Form Def ID is expected in the "Format" field.<div><div> Expected Form Def ID Specify the Form Def ID that contains the actual Select Box / Radio / CheckBox form element.</div></div></td></tr><tr><td>Format</td><td>Depending on your chosen Format Type, an additional argument may be entered here.</td></tr><tr><td>Width</td><td>Column width in characters.<div></div></td></tr></table>	Name	Description	Value	Field ID of the target form. Example: In the "Account" form sourced in the Datalist "Account Listing", there are Form Elements with the ID "id", and "accountName".	Label	Column Label.	Editable	Yes/No	Format Type	<div>If you would like to format the returned value, you may make use of the format type.</div> <div>Default choice: Text</div> <div>Available Format Types<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 a decimal. The number of decimals is expected in the "Format" field.• Date - formats as a date. Original Date and New Date formats are expected in the "Format" field.<div>Format: (original format) (new format) <u>Example of usage:</u> Original value: 5/23/2012 Expected value: 2012/5/23 Format : M/d/yyyy/M/d Note: Please refer to Java SimpleDateFormat for date format.</div></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><div> Expected Form Def ID Specify the Form Def ID that contains the actual File Upload form element.</div></div>• Image - Show the value as a thumbnail of the attachment. Form Def ID is expected in the "Format" field.<div><div> Expected Form Def ID Specify the Form Def ID that contains the actual Image Upload / File Upload form element.</div></div>• Options - Show the label of a multiple-choice element given the value given. Form Def ID is expected in the "Format" field.<div><div> Expected Form Def ID Specify the Form Def ID that contains the actual Select Box / Radio / CheckBox form element.</div></div>	Format	Depending on your chosen Format Type, an additional argument may be entered here.	Width	Column width in characters. <div></div>
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Format	Depending on your chosen Format Type, an additional argument may be entered here.														
Width	Column width in characters. <div></div>														

		<div>Sample</div> <div>200px</div>
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UI

Sorting

UI

Edit List Grid > UI > Validation & Data Binder > Advanced

Sorting

Enable Sorting Feature

☐

Field ID for Sorting

sort

Name	Description
Enable Sorting Feature	Determines if the 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.

List

List

Insert Button Label

Name	Description
Insert Button Label	Insert Button Label

Form

Form

Form to Edit Row ?

Form Submit Button Label (Normal Mode)

Form Submit Button Label (Readonly Mode)

Display field as Label when readonly?

☐

Name	Description
Form to Edit Row	After the addition of row, the user may edit the record row by opening it in the Form defined here.
Form Submit Button Label (Normal Mode)	The label of the Submit button in normal mode.
Form Submit Button Label (Readonly Mode)	The 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 an element is set to "Readonly".

Grid

Grid

Readonly

☐

Disable Add Feature

☐

Disable Delete Feature

☐

Delete confirmation message

Delete row?

Show Row Numbering?

☐

Paging Size

20

Popup Dialog Height

500

Popup Dialog Width

900

Name	Description
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?	Show an additional column on the leftmost to denote numbering.
Paging Size	Items to be displayed per page.
Popup Dialog Height	<div>Height in character</div> <div><div>Sample</div><div>500px</div></div>
Popup Dialog Width	<div>Width in character</div> <div><div>Sample</div><div>90%</div></div>

Validation & Data Binder

Validation

Validation

Validator

Unique Column ?

Min Number of Row Validation (Integer)

Max Number of Row Validation (Integer)

Error Message

Invalid number of rows

Name	Description
Validator	Attach a Validator plugin to validate the input value. <div><div><div><div></div></div><div>When will validation takes place?</div></div><div>Validation will take place whenever a form is submitted except when it is submitted as "Save as Draft".</div></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.

Data Binder

Data Binder

Load Binder

Store Binder

Name	Description
Load & Save Binder	<p>Load Binder allows you to customize the method for data retrieval to populate the list grid in the form.</p> <p>Save Binder allows you to customize the method on how the list grid row records are saved to.</p> <p>This option is empty by default. An empty binder means that the list grid records will be saved/loaded as a JSON format in the parent form & database table. See the list of available Form Binders.</p>

The recommended binder to use is the [Multirow Form Binder](#) so that each record is saved into a child database table via a subform definition. The binder will update the foreign key "parent id" into each child record to point to the parent database table.

Child Form Data Deletion Options

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?

☐

Name	Description
Delete Associated Grid Data?	<div><div>If the popup form has a grid element(s), this option will delete the inner grid data.</div><div><div>Caution</div><div>These 3 options: (Delete Associated Grid Data, Delete Associated Child Form Data, Delete Files), in combination, does apply to nested grid/child elements.</div><div>These options traverse the entire form tree. Upon encountering a 'false' condition, it will move on to the next grid/child element.</div><div>Example: Consider that the popup form has a form grid, form grid has a subform, subform has a file upload element with <i>abc.pdf</i>. If all options are checked, <i>abc.pdf</i> will be deleted. If all except ONE of the options is checked, <i>abc.pdf</i> will NOT be deleted.</div></div></div>
Delete Associated Child Form Data?	<div><div>If the popup form has a child element(s), this option will delete the child data.</div><div><div>Caution</div><div>These 3 options: (Delete Associated Grid Data, Delete Associated Child Form Data, Delete Files), in combination, does apply to nested grid/child elements.</div></div></div>
Delete Files?	<div><div>If the popup form contains a file upload element, this option will delete the actual uploaded file(s).</div><div><div>Caution</div><div>These 3 options: (Delete Associated Grid Data, Delete Associated Child Form Data, Delete Files), in combination, does apply to nested grid/child elements.</div></div></div>
Abort Related Running Processes?	<div><div>If there are process instances related to the deleted row, these options will abort those process instances.</div></div>

Advanced

Edit List Grid > UI > Validation & Data Binder > **Advanced**

URL Request
Parameters for
Datalist

PARAMETER *	FIELD ID	DEFAULT VALUE
+		

Name	Description								
URL Request Parameters for Datalist	Refine the target Data List selections by defining the filter criteria here. <table><tr><th>Name</th><th>Description</th></tr><tr><td>Parameter</td><td>Target Data List filter parameter name</td></tr><tr><td>Field ID</td><td>Current form element field ID</td></tr><tr><td>Default Value</td><td>Default Value for the search parameter</td></tr></table>	Name	Description	Parameter	Target Data List filter parameter name	Field ID	Current form element field ID	Default Value	Default Value for the search parameter
Name	Description								
Parameter	Target Data List filter parameter name								
Field ID	Current form element field ID								
Default Value	Default Value for the search parameter								

Download Demo App

- Demo app for List Grid: [APP_list_grid_dx_kb.jwa](#) .
- Demo app using JDBC in List Grid: [APP_list_grid_multirow_jdbc_dx_kb.jwa](#) (using MySQL syntax).