

CRUD

Definition

With **CRUD**, one will not need to do all the manual wiring in constructing a CRUD entity. This element equips you with plenty of customization, making sure that you can achieve what you want.

Performance

You can configure the **Performance** settings in this Usserview Element to cache existing content for improved performance and loading speed.

Read more at [Performance Improvement with Usserview Caching](#).

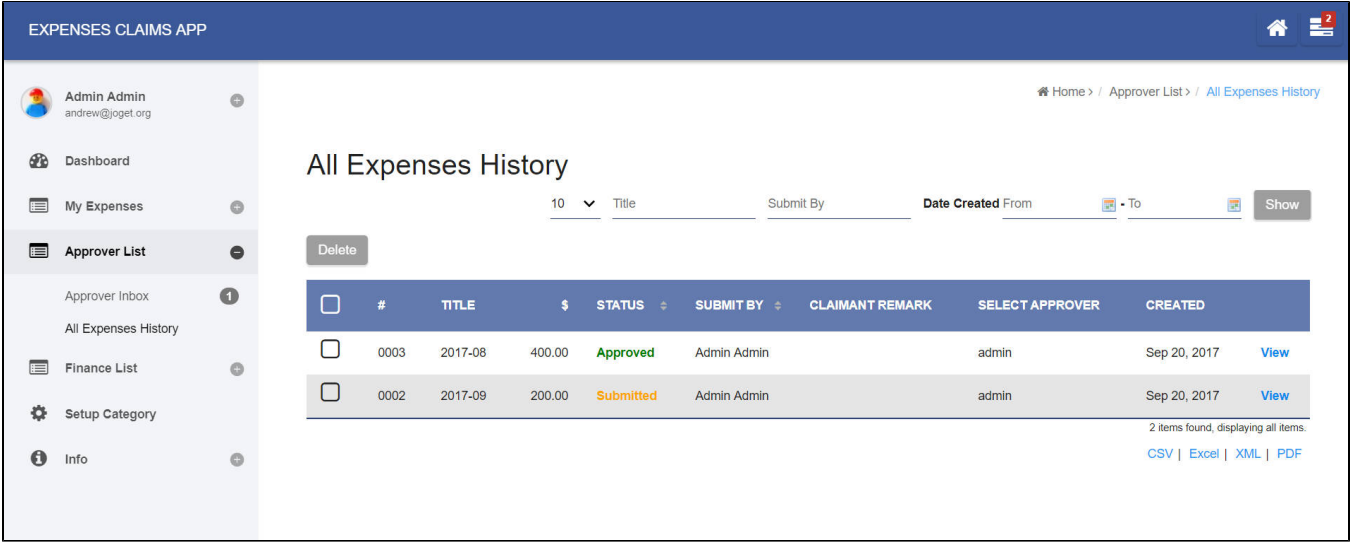


Figure 1: Screenshot showing CRUD taken from the sample HR Expenses Claim app

Edit CRUD

Edit CRUD > UI (List) > Actions (List) > UI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > Advanced

Custom ID

finance_all

Label *

Closed Expenses

List *

HR Expenses Claim Finance List

Form (Add)

Form (Edit)

HR Expenses Approval Detail

Figure 2: CRUD Properties

Name	Description
Custom ID	Item link slug. Optional field. <div><div><div><div></div><div>Unique field</div></div><div>Value defined here must be unique to the rest of the Usserview Menus as the first matching name will be called upon.</div></div></div>
Label	Menu label. Mandatory field.
List	Datalist to load. Mandatory field.

Form (Add)	Target form to open when adding new record. Optional field. If this attribute is not mapped, then ability to Add is disabled.
Form (Edit)	Target form to open when editing existing record. Optional field. If this attribute is not mapped, then ability to Edit is disabled.

UI (List)

Edit CRUD > **UI (List)** > Actions (List) > UI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > Advanced > Performance

Show Number of Rows In Menu☒

Button Position

Top Left

Selection Type

Multiple

Selector Position

Left

Edit Link Label

View

New Record Button Label

Delete Button Label

Delete

Show Delete Button?☒

Delete Associated Grid Data?☒

Delete Associated Child Form Data?☒

Delete Files?☐

Abort Related Running Processes?☒

Custom Header

f 1

All Expenses History

< PrevNext >

OKCancel

Figure 3: CRUD Properties - UI (List)

Name	Description
Show Number of Rows In Menu	Show Number of Rows In Menu. <div><div><div><div></div><div>Performance Warning</div></div><div>Additional query will be performed to return record count every time the Userview loads.</div></div></div>
Button Position	<ul style="list-style-type: none">Top LeftTop RightBottom LeftBottom RightTop Left & Bottom LeftTop Right & Bottom Right
Selection Type	<ul style="list-style-type: none">MultipleSingle

Selector Position	<ul style="list-style-type: none">• Left• Right• Both let & right• No
Edit Link Label	Edit Link Button Label to show in listing.
New Record Button Label	New Record Button Label to show in listing.
Delete Button Label	Delete Button Label to show in listing.
Show Delete Button?	<p>When checked, the delete button will be shown, effectively enabling the deletion capability. If "Show Delete Button" is enabled, the following options will be shown:</p> <ul style="list-style-type: none">• Delete Associated Grid Data?• Delete Associated Child Form Data?• Delete Files?• Abort Related Running Processes? <p>Read more in Delete Action.</p>
Custom Header	Custom Header in HTML to show above the listing.
Custom Footer	Custom Footer in HTML to show below the listing.

Actions (List)

Edit CRUD > UI (List) > **Actions (List)** > UI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > Advanced

More Actions

Label	Hyperlink	Parameter Name	Column Name	Confirmation Message
<div></div>				

Figure 4: CRUD Properties - Actions (List)

Name	Description																																																
More Actions	This attribute allows you to add more actions into the listing. <div><table><tr><th>Name</th><th>Description</th></tr><tr><td>Label</td><td>Link label.</td></tr><tr><td>Hyperlink</td><td>Hyperlink URL.</td></tr><tr><td>Parameter Name</td><td>Parameter name to be part of the hyperlink.</td></tr><tr><td>Column Name</td><td>Parameter value to be assigned to the parameter name declared above by defining the column name from the Data List.</td></tr><tr><td>Confirmation Message</td><td>Confirmation message before opening the link.</td></tr></table><p>Example:</p><div><table><tr><td><input type="checkbox"/></td><td>January 2015</td><td>REF-000006</td><td>Admin Admin</td><td>\$ 0.00</td><td>24-08-2015 06:17 PM</td><td>PDF</td><td>Hyperlink</td><td>Edit</td></tr><tr><td><input type="checkbox"/></td><td>February 2015</td><td>REF-000007</td><td>Admin Admin</td><td>\$ 22.00</td><td>26-08-2015 07:30 AM</td><td>PDF</td><td>Hyperlink</td><td>Edit</td></tr><tr><td><input type="checkbox"/></td><td>March 2015</td><td>REF-000008</td><td>Admin Admin</td><td>\$ 22.00</td><td>26-08-2015 07:41 AM</td><td>PDF</td><td>Hyperlink</td><td>Edit</td></tr><tr><td><input type="checkbox"/></td><td>April 2015</td><td>REF-000009</td><td>Admin Admin</td><td>\$ 33.00</td><td>26-08-2015 07:58 AM</td><td>PDF</td><td>Hyperlink</td><td>Edit</td></tr></table><div>22 items found, displaying 1 to 10.</div><div><div></div><div>123</div><div></div></div><div><div>CSV</div><div>Excel</div><div>XML</div><div>PDF</div></div><div><div>New</div><div>New Action Button</div></div></div></div>	Name	Description	Label	Link label.	Hyperlink	Hyperlink URL.	Parameter Name	Parameter name to be part of the hyperlink.	Column Name	Parameter value to be assigned to the parameter name declared above by defining the column name from the Data List.	Confirmation Message	Confirmation message before opening the link.	<input type="checkbox"/>	January 2015	REF-000006	Admin Admin	\$ 0.00	24-08-2015 06:17 PM	PDF	Hyperlink	Edit	<input type="checkbox"/>	February 2015	REF-000007	Admin Admin	\$ 22.00	26-08-2015 07:30 AM	PDF	Hyperlink	Edit	<input type="checkbox"/>	March 2015	REF-000008	Admin Admin	\$ 22.00	26-08-2015 07:41 AM	PDF	Hyperlink	Edit	<input type="checkbox"/>	April 2015	REF-000009	Admin Admin	\$ 33.00	26-08-2015 07:58 AM	PDF	Hyperlink	Edit
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UI (Add)

Edit CRUD > UI (List) > Actions (List) > UI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > Advanced

Cancel Button Label

Save Button Label

Custom Header

1

Custom Footer

1

Figure 5: CRUD Properties - UI (Add)

Name	Description
Cancel Button Label	Cancel Button Label to show in add new record form.
Save Button Label	Save Button Label to show in add new record form.
Custom Header	Custom Header in HTML to show in add new record form.
Custom Footer	Custom Footer in HTML to show in add new record form.

Actions (Add)

Edit CRUD > UI (List) > Actions (List) > UI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > Advanced

Message to show after Form saved

Action to perform after Form saved *

Return to list

After Form Saved - Redirection (Hyperlink)

After Form Saved - Redirection (Parameter Name)

After Form Saved - Redirection (Field Name)

Figure 6: CRUD Properties - Actions (Add)

Name	Description
Message to show after Form saved	Message to show after Form saved.

Action to perform after Form saved	<ul style="list-style-type: none">● Return to list● Continue on Adding Record● Display in Edit Mode● Redirection
After Form Saved - Redirection (Hyperlink)	<p>Hyperlink URL.</p> <p>This option is only active when "Action to perform after Form saved" is set to "Redirection".</p> <div><div>Example</div><div>userviewFormLink</div></div>
After Form Saved - Redirection (Parameter Name)	<p>Parameter to be appended as part of the link defined above.</p> <div><div>Example</div><div>id</div></div>
After Form Saved - Redirection (Field Name)	<p>Value to be assigned to the parameter defined above.</p> <div><div>Example</div><div>id</div></div>

UI (Edit)

Edit CRUD > UI (List) > Actions (List) > UI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > Advanced

Readonly

☒

Display Fields as Labels when in Readonly?

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Back Button Label

Save Button Label

Record Traversing

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First Record Button Label

Previous Record Button Label

Next Record Button Label

Last Record Button Label

Custom Header

1

Custom Footer

1

Figure 7: CRUD Properties - UI (Edit)

Name	Description																								
Readonly	If checked, effectively, the form will be rendered as read only and not editable anymore.																								
Display Fields as Labels when in Readonly?	When the form is in read only form, determines if values should be displayed as it is (label form) instead of being bounded in original input form.																								
Back Button Label	Back Button Label Default value: Back																								
Save Button Label	Save Button Label Default value: Save																								
Record Traversing	Enable record traversing when viewing a individual record in its form. <div><div><div>Expenses Item(s)</div><table><tr><th>Date</th><th>Category</th><th>Purpose</th><th>Amount</th></tr><tr><td colspan="4"><div><div>+</div></div></td></tr><tr><td colspan="3">Total Amount</td><td>\$ 0.00</td></tr><tr><td colspan="4">Receipt<div><div>Choose File</div>No file chosen</div></td></tr><tr><td colspan="4"><div><div>Save</div><div>Back</div></div></td></tr><tr><td colspan="4"><div><div>< First Record</div><div><< Previous Record</div><div>2 / 22</div><div>Next Record >></div><div>Last Record ></div></div></td></tr></table></div></div>	Date	Category	Purpose	Amount	<div><div>+</div></div>				Total Amount			\$ 0.00	Receipt <div><div>Choose File</div>No file chosen</div>				<div><div>Save</div><div>Back</div></div>				<div><div>< First Record</div><div><< Previous Record</div><div>2 / 22</div><div>Next Record >></div><div>Last Record ></div></div>			
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<div><div>< First Record</div><div><< Previous Record</div><div>2 / 22</div><div>Next Record >></div><div>Last Record ></div></div>																									

First Record Button Label	First Record Button Label. Only applicable when Record Traversing is enabled. Default value: First Record
Previous Record Button Label	Previous Record Button Label. Only applicable when Record Traversing is enabled. Default value: Previous Record
Next Record Button Label	Next Record Button Label. Only applicable when Record Traversing is enabled. Default value: Next Record
Last Record Button Label	Last Record Button Label. Only applicable when Record Traversing is enabled. Default value: Last Record
Custom Header	Custom Header in HTML to show when editing an individual record in a form.
Custom Footer	Custom Footer in HTML to show when editing an individual record in a form.

Actions (Edit)

Edit CRUD > UI (List) > Actions (List) > UI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > Advanced

Message to show after Form saved

Action to perform after Form saved *

Return to list

After Form Saved - Redirection (Hyperlink)

After Form Saved - Redirection (Parameter Name)

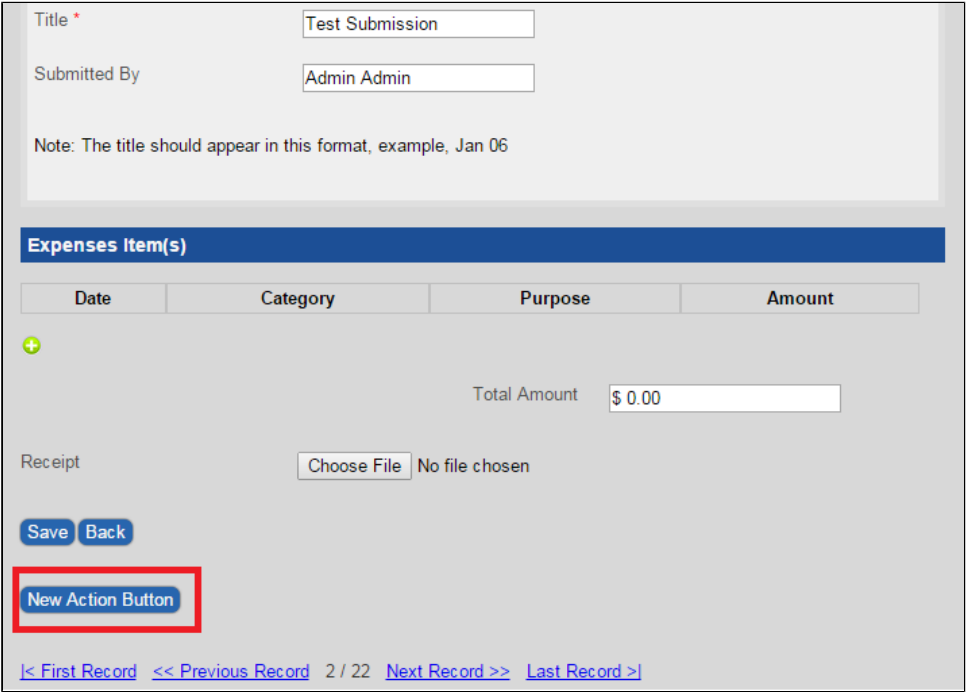
After Form Saved - Redirection (Field Name)

More Actions

Label	Hyperlink	Parameter Name	Field Name	Confirmation Message
<div></div>				

Figure 8: CRUD Properties - Actions (Edit)

Name	Description
Message to show after Form saved	Message to show after Form is saved
Action to perform after Form saved	<ul style="list-style-type: none">Return to listContinue on edit recordContinue on edit next recordRedirection
After Form Saved - Redirection (Hyperlink)	URL to redirect to after submission. Only applicable when Action to perform after Form saved is set to Redirection .

After Form Saved - Redirection (Parameter Name)	Parameter to be included. Only applicable when Action to perform after Form saved is set to Redirection .												
After Form Saved - Redirection (Field Name)	Parameter value to be assigned to the parameter above by defining a field ID from the form. Only applicable when Action to perform after Form saved is set to Redirection .												
More Actions	<p>Include action buttons to be added into the bottom of the form.</p> <table border="1"> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>Label</td><td>Action button label. Example: New Action Button</td></tr> <tr> <td>Hyperlink</td><td>URL</td></tr> <tr> <td>Parameter Name</td><td>Parameter name to be added to the URL defined above.</td></tr> <tr> <td>Field Name</td><td>Field ID correspondent to the form to retrieve value from and set to the parameter above.</td></tr> <tr> <td>Confirmation Message</td><td>Confirmation message to prompt before proceeding after clicking on the button.</td></tr> </tbody> </table> <p>Example:</p>  <p>The screenshot shows a form with the following elements: a title field 'Title *' with value 'Test Submission', a 'Submitted By' field with value 'Admin Admin', a note 'Note: The title should appear in this format, example, Jan 06', a table header 'Expenses Item(s)' with columns 'Date', 'Category', 'Purpose', and 'Amount', a 'Total Amount' field showing '\$ 0.00', a 'Receipt' section with a 'Choose File' button and 'No file chosen' text, 'Save' and 'Back' buttons, and a 'New Action Button' highlighted with a red box. At the bottom, there are navigation links: '< First Record', '<< Previous Record', '2 / 22', 'Next Record >>', and 'Last Record > '.</p> <p>Example: When such button is clicked, the form will not be saved.</p>	Name	Description	Label	Action button label. Example: New Action Button	Hyperlink	URL	Parameter Name	Parameter name to be added to the URL defined above.	Field Name	Field ID correspondent to the form to retrieve value from and set to the parameter above.	Confirmation Message	Confirmation message to prompt before proceeding after clicking on the button.
Name	Description												
Label	Action button label. Example: New Action Button												
Hyperlink	URL												
Parameter Name	Parameter name to be added to the URL defined above.												
Field Name	Field ID correspondent to the form to retrieve value from and set to the parameter above.												
Confirmation Message	Confirmation message to prompt before proceeding after clicking on the button.												

Advanced

Edit CRUD > UI (List) > Actions (List) > UI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > **Advanced**

Userview Key Name

Figure 9: CRUD Properties - Advanced

Name	Description
Userview Key Name	Define a column name to pre-filter the datalist against using the userview key value.

Screenshots taken from <http://localhost:8080/jw/web/console/app/expenseclaim/1/userview/builder/home>