AJAX Subform

New Feature
New feature added in **Joget DX** :   • Do not load subform in the background when it is collapsed or hidden option

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Introduction

AJAX SubForm gives you the flexibility of dynamically loading a Subform by attaching a listener to another form field.

> ⓘ **Data to load by the AJAX Subform**
>
> The target's form Load Binder will be executed to fetch record matched from the properties defined in AJAX Subform.

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

Get Started

The easiest way to see how the AJAX Subform 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)
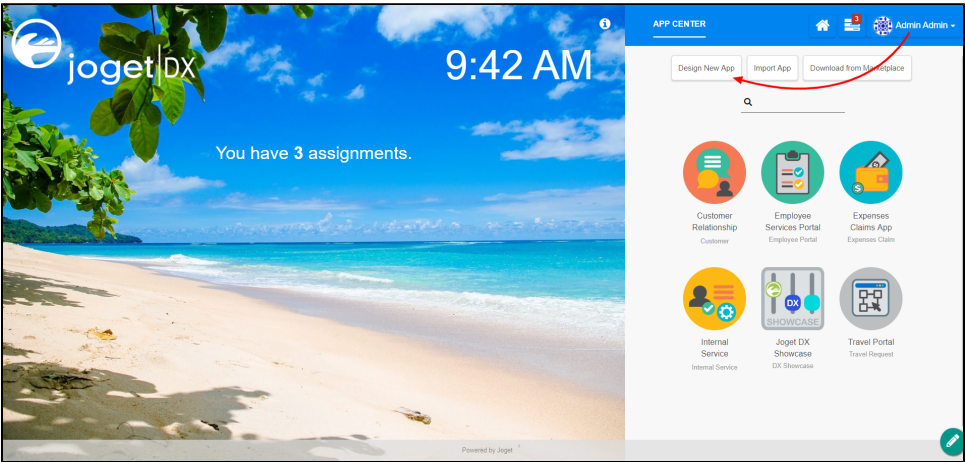

Figure 1

3. Fill up the **App Details** as follows and click **Save** (see Figure 2):
   i. App ID: **ajaxSubform**
   ii. App Name: **AJAX Subform**

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: **as_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):
   a. ID: **name**
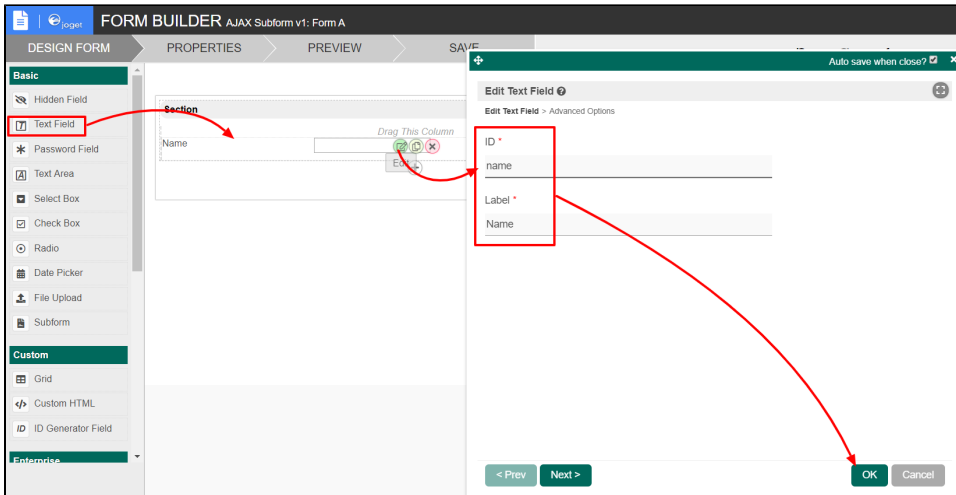   b. Label: **Name**

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.

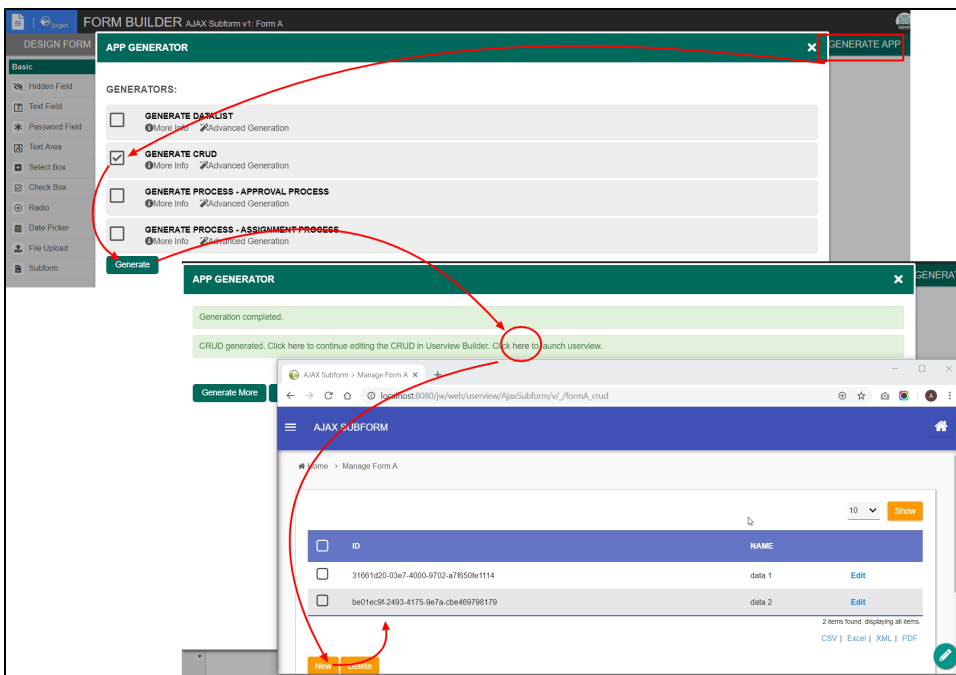12. Click on **New** button and **Save** at least 2 records of data (see Figure 5)

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 (see Figure 6):
    a. ID: **formB**
    b. Form Name: **Form B**
    c. Table Name: **as_b**

Figure 6

15. Click on **Save** and you will be directed to the **Form Builder.**

16. Drag and drop a **Select Box** element on to the canvas.

17. **Hover** the mouse over the **Select Box element** on the canvas and click on **Edit** to open up the Edit Select Box properties.

18. Fill up the **Edit Select Box** properties as follows and click on **Next** (see Figure 7):
    a. ID: **field1**
    b. Label: **Choose record from Form A**
    c. Choose Options Binder: **Default Form Options Binder**

19. Fill up the following details in the **Select Form** and click **OK** (see Figure 7):
    a. Form: **Form A**
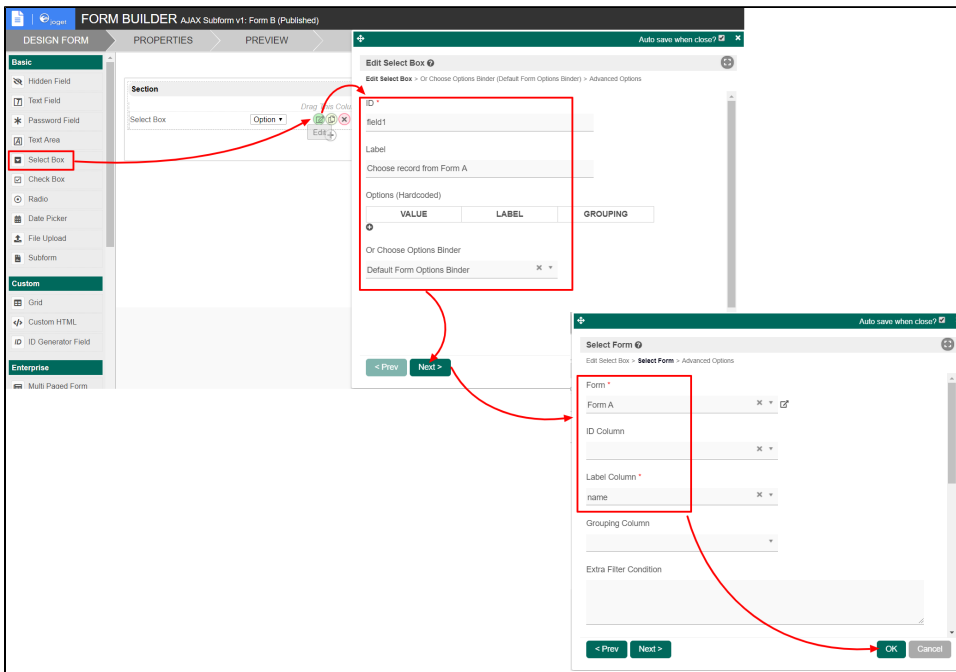   b. Label Column: **name**

Figure 7

20. Drag and drop an **AJAX Subform** element on to the canvas.

21. **Hover** the mouse over the **AJAX Subform** element on the canvas and click on **Edit** to open up the Edit AJAX Subform properties.

22. Fill up the **Edit AJAX Subform** properties as follows and click on **Next** (see Figure 8):
    a. Form: **Form A**

23. Tick the first three checkboxes and click **Next** (see Figure 8)

24. Fill up the **Edit AJAX Subform** properties as follows and click on **OK** (see Figure 8):
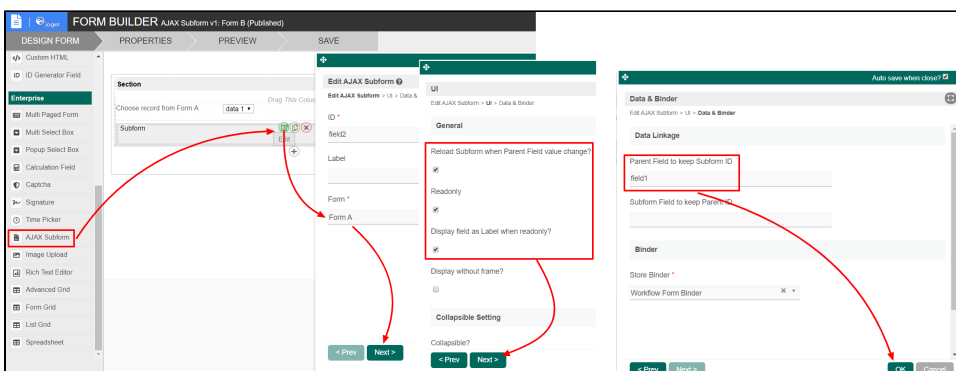   a. Parent Field to keep Subform ID: **field1**

Figure 8

25. Click on **Preview** and select between the records in the **Select Box** to see the Subform dynamically loads the appropriate record.

How to use AJAX Subform

AJAX Subform Properties

Edit AJAX Subform

Name	Description
ID	Element ID (By declaring as "view_existing_claim", a corresponding database table column "c_view_existing_claim" 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.
Form	Target Form to be loaded. (i) **Usage of Hash Variable** The use of Hash Variables inside the target form is permissible but may be limited due to the nature of how the form is loaded. Example 1: One can use **#requestParam.primaryKey#** to access the record ID. Example 2: One can use **#form.tableName.fieldId[{requestParam.primaryKey}]#** to access field value of the given record ID.

UI

General

Name	Description
Reload SubForm when Parent Field value change?	Dynamically reload the subform when parent field value changes. ⓘ **Parent Field value** here refers to the **Parent Field to keep Subform ID** setting in the next tab.
Readonly	Determines if the element is editable.
Display field as Label when read-only?	Displays the value of the element as plain text when an element is set to "Readonly".
Display without frame?	Decorator option. Removes default styling applied to SubForm when checked.
Collapsible?	Make the AJAX Subform collapsible.

Collapsible Setting

Collapsible Setting

Collapsible?	☐
Label when expanded	Hide Details
Label when collapsed	View Details
Expanded by default?	☑
Hide when no value?	☐
Do not load subform in background when it is collapsed or hidden	☐

Name	Description
Collapsible?	Make the AJAX Subform collapsible.
Label when expanded	Label when expanded
Label when collapsed	Label when collapsed
Expanded by default?	Expanded by default option.
Hide when no value?	To hide the AJAX Subform when there's no data to be loaded.
Do not load subform in background when it is collapsed or hidden	To not load the subform when it is collapsed or hidden.

ⓘ **New Feature**

Newly introduced in Joget DX

Data & Binder

Data Linkage

Data & Binder

Edit AJAX Subform > UI > **Data & Binder**

Data Linkage

Parent Field to keep Subform ID

Subform Field to keep Parent ID

Name	Description
Parent Field to keep Subform ID	The ID of the field in the parent form to store the SubForm table's primary key. SubForm data will be loaded based on the record ID retrieved from this field.
Subform Field to keep Parent ID	The ID of the field in the SubForm form to store the parent table's primary key.
Store Binder	By default, the Workflow Form Binder plugin is used for loading and storage of form data in the AJAX Subform, you may override it with other plugins. ⓘ **Important** The target form's Store Binder will not be executed. The Store Binder selected in this property will be executed instead. See the list of available Form Binder.

Binder

Data & Binder

Edit AJAX Subform > UI > **Data & Binder**

Binder

Store Binder *   Workflow Form Binder

Name	Description
Store Binder	By default, the Workflow Form Binder plugin is used for loading and storage of form data in the AJAX Subform, you may override it with other plugins. ⓘ **Important** The target form's Store Binder will not be executed. The Store Binder selected in this property will be executed instead. See a list of available Form Binder.

Related Video Tutorials

Download Demo App

Download the demo app with examples on using Ajax Subform with two options: 'JDBC SQL query' and ' Workflow Form Binder':

- APP_ajax_subform_jdbc_dx_kb.jwa