

Joget DX

UI Key

 <http://facebook.com/jogetworkflow>

 <http://twitter.com/jogetworkflow>

Prerequisites

1. Good understanding on designing App on Joget

Content

1. Introduction
2. Applications of UI Key



Chapter 1

Introduction

Introduction

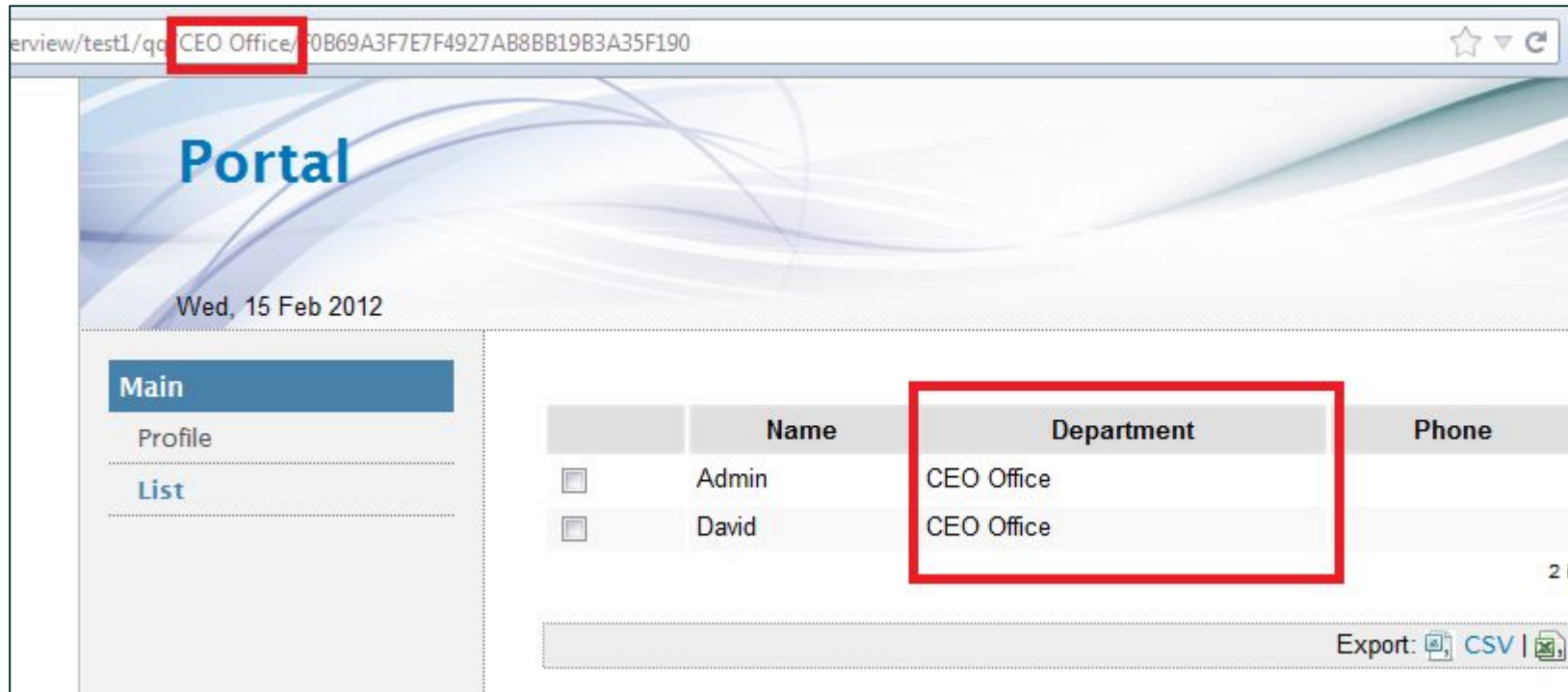
- **UI Key** serves as a placeholder for a common value to be used by its elements (UI Element)
- The usage of the UI Key is dependent on the implementation of the element such as (UI Element)

Reference:

<https://dev.joget.org/community/display/DX8/UI+Key>

Sample usage of UI Key

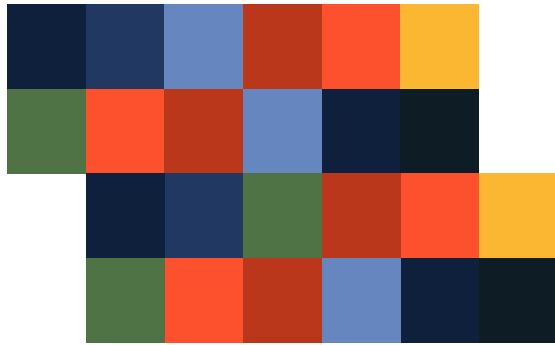
- The List element makes use of the **UI Key's Value** to pre-filter its listing



The screenshot shows a web application interface. The browser address bar contains the URL: `erview/test1/qo CEO Office/0B69A3F7E7F4927AB8BB19B3A35F190`. The page title is "Portal". The date "Wed, 15 Feb 2012" is displayed. On the left, there is a sidebar with a "Main" section containing "Profile" and "List" links. The "List" link is selected. The main content area displays a table with the following data:

	Name	Department	Phone
<input type="checkbox"/>	Admin	CEO Office	
<input type="checkbox"/>	David	CEO Office	

At the bottom right, there is an "Export" button with a CSV icon and a download icon.



Chapter 2

Applications of UI Key

List of Elements With UI Key Support

- Run Process UI Element
- UI Form Element
- UI List Element
- Chart UI Menu
- List Form Data Binder
- List JDBC List Binder

Reference:

<https://dev.joget.org/community/display/DX8/UI+Key>

The way forward...

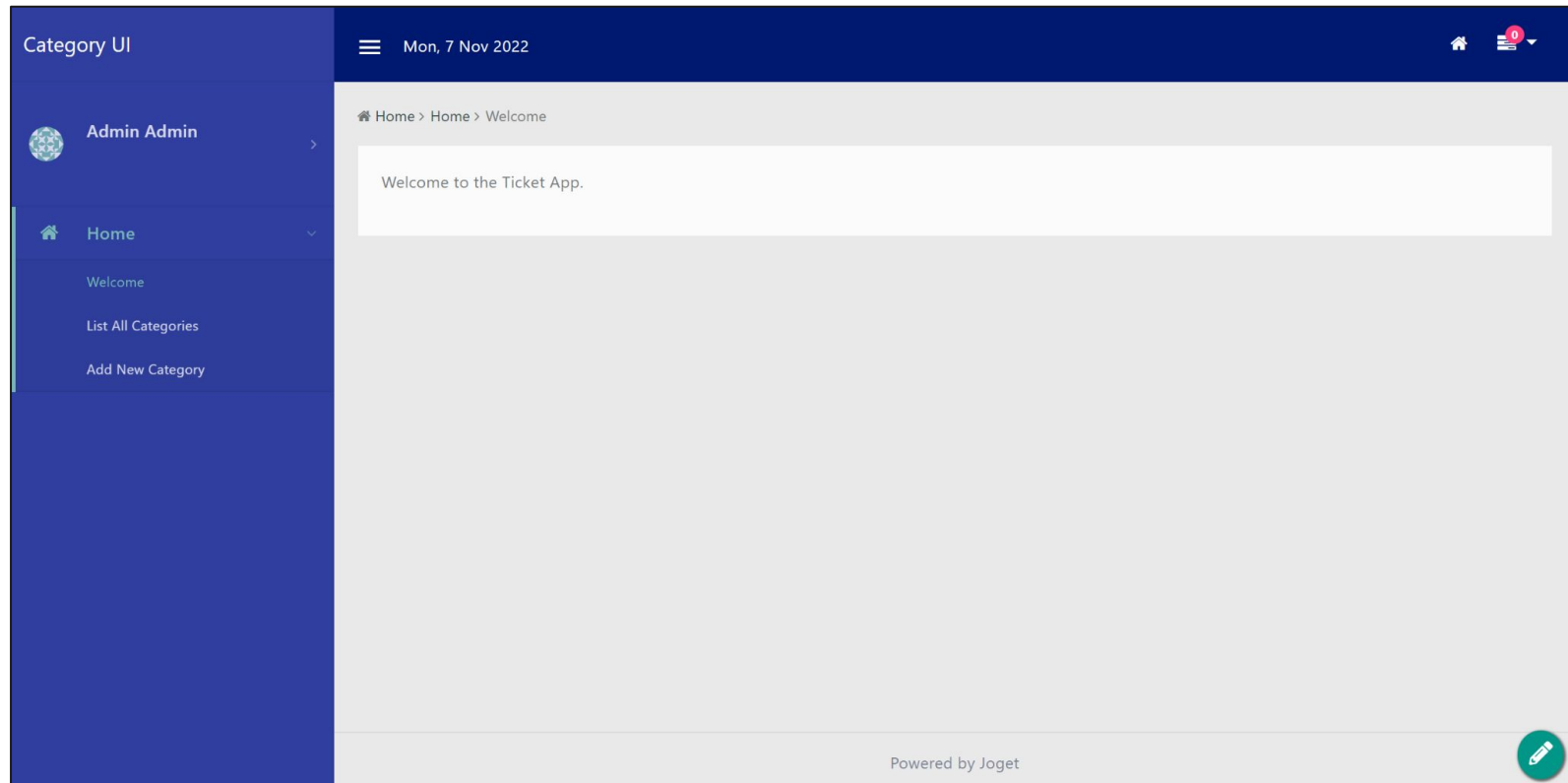
- We are going to create a new app and go through a series of exercises to appreciate the use of UI Key

Exercise 1

- We are going to create a new App with the following specifications
 - Support Ticket App
 - 2 UIs
 - Main UI with the following items:-
 - » Welcome Page / Home (HTML Page)
 - » List All Categories (List)
 - » Add New Category (Form)
 - Second UI that relies on input from the Main UI with the following items:-
 - » Submit Ticket (Form)
 - » List Tickets (List)
 - » Back to Category UI (Link)

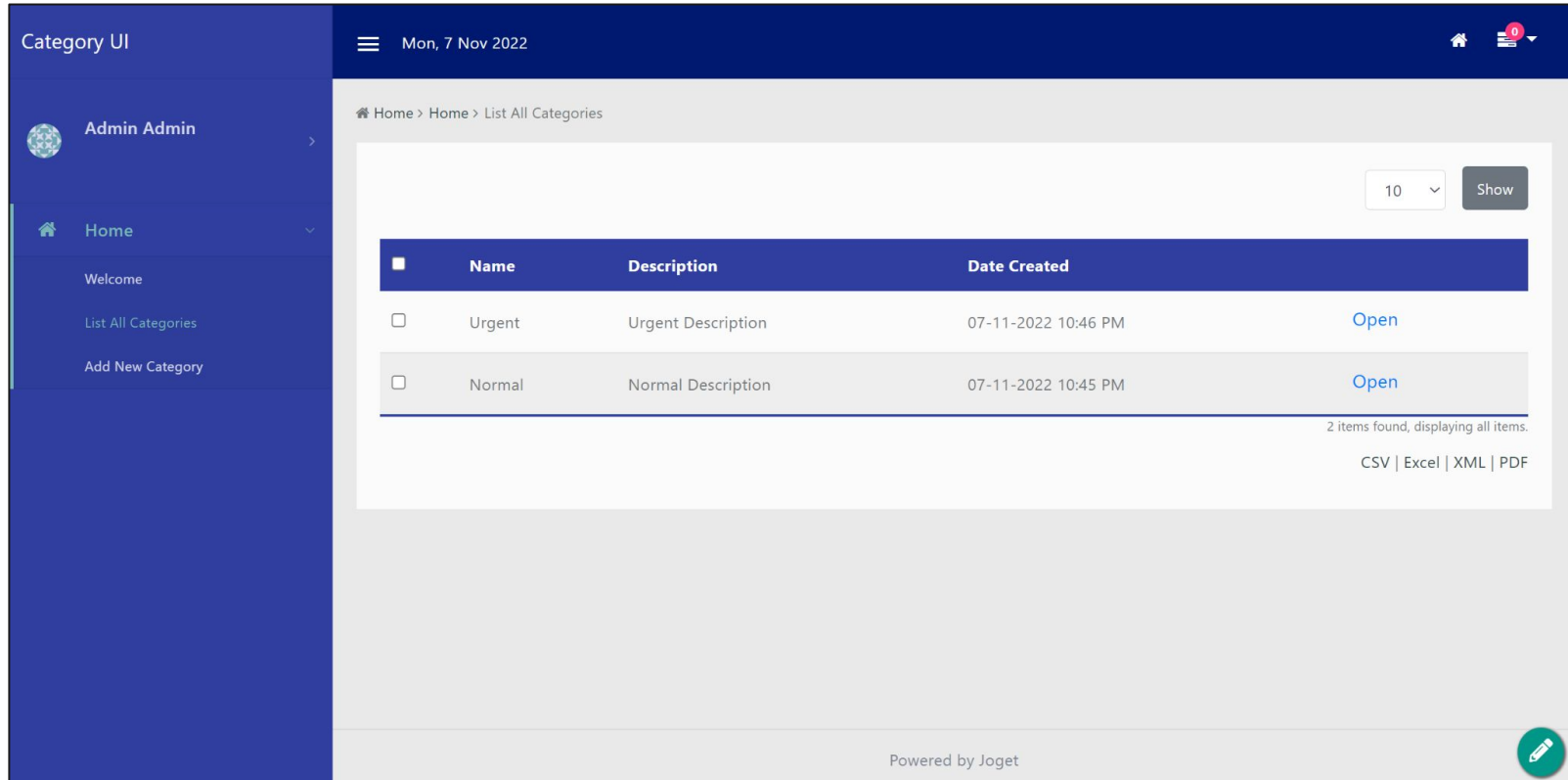
Exercise 2 – Category UI – HTML Page

- The first menu will be dedicated to the HTML Page element to serve as a landing page



Exercise 3 – Category UI – List

- **List All Categories** (List) to list down all Categories available



The screenshot displays the 'Category UI' interface. On the left is a dark blue sidebar with a user profile 'Admin Admin' and a 'Home' menu containing 'Welcome', 'List All Categories', and 'Add New Category'. The main content area has a top header with a date 'Mon, 7 Nov 2022' and a breadcrumb 'Home > Home > List All Categories'. Below the breadcrumb is a table with columns 'Name', 'Description', and 'Date Created'. The table contains two rows: 'Urgent' with description 'Urgent Description' and date '07-11-2022 10:46 PM', and 'Normal' with description 'Normal Description' and date '07-11-2022 10:45 PM'. Each row has an 'Open' link. A pagination control shows '10' items per page and a 'Show' button. At the bottom right, it says '2 items found, displaying all items.' and provides links for 'CSV | Excel | XML | PDF'. The footer indicates 'Powered by Joget'.

	Name	Description	Date Created	
<input type="checkbox"/>	Urgent	Urgent Description	07-11-2022 10:46 PM	Open
<input type="checkbox"/>	Normal	Normal Description	07-11-2022 10:45 PM	Open

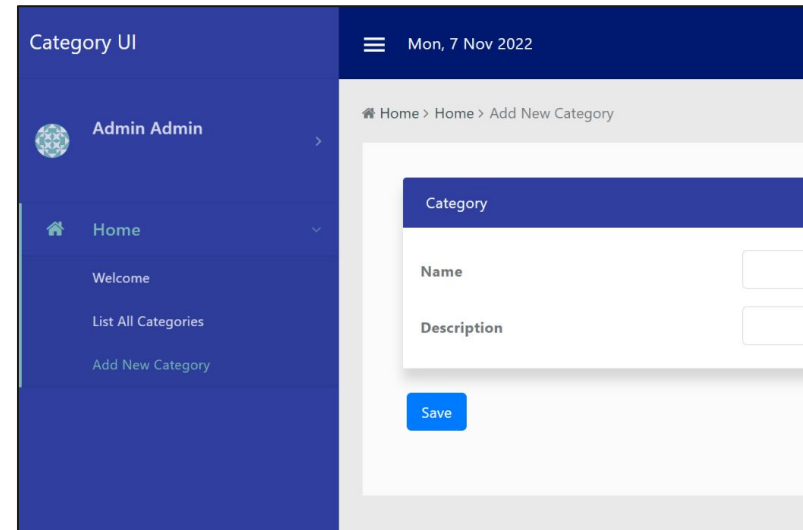
2 items found, displaying all items.

[CSV](#) | [Excel](#) | [XML](#) | [PDF](#)

Powered by Joget

Exercise 4 – Category UI – Form

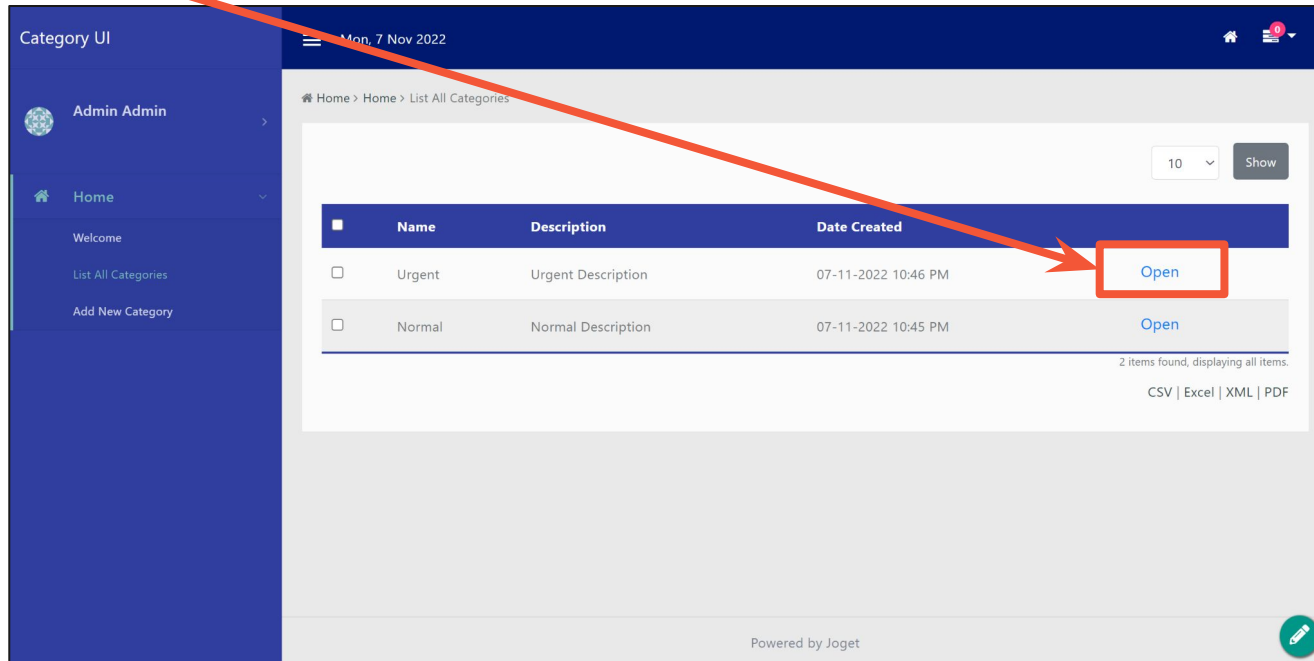
- The third menu item – Form – **Add New Category** is used to create new category
- Form
 - Form ID : **categoryForm**
 - Form Name : **Category Form**
 - Table Name : **ticket_categories**
- Fields
 - Textfield
 - Label : **Name**
 - ID : **name**
 - Textfield
 - Label : **Description**
 - ID : **description**



The screenshot displays the 'Category UI' form in a web application. On the left is a dark blue sidebar menu with the title 'Category UI' and a user profile 'Admin Admin'. The menu includes options: 'Home' (selected), 'Welcome', 'List All Categories', and 'Add New Category'. The main content area has a top header with a date 'Mon, 7 Nov 2022' and a breadcrumb trail 'Home > Home > Add New Category'. Below the breadcrumb is a form titled 'Category' with two text input fields labeled 'Name' and 'Description'. A blue 'Save' button is positioned at the bottom of the form.

Exercise 5 – Linking to the second UI

- The second UI will be opened from the listing in the first UI



The screenshot shows a web application interface for 'Category UI'. On the left is a dark blue sidebar with navigation links: 'Admin Admin', 'Home', 'Welcome', 'List All Categories', and 'Add New Category'. The main content area has a top bar with 'Mon, 7 Nov 2022' and a breadcrumb 'Home > Home > List All Categories'. Below the breadcrumb is a table with columns 'Name', 'Description', and 'Date Created'. The table contains two rows: 'Urgent' and 'Normal'. Each row has a checkbox on the left and an 'Open' link on the right. A red arrow points from the 'Open' link in the 'Urgent' row to a red box around the 'Open' link in the 'Normal' row. Below the table, it says '2 items found, displaying all items.' and 'CSV | Excel | XML | PDF'. The footer says 'Powered by Joget'.

	Name	Description	Date Created	
<input type="checkbox"/>	Urgent	Urgent Description	07-11-2022 10:46 PM	Open
<input type="checkbox"/>	Normal	Normal Description	07-11-2022 10:45 PM	Open

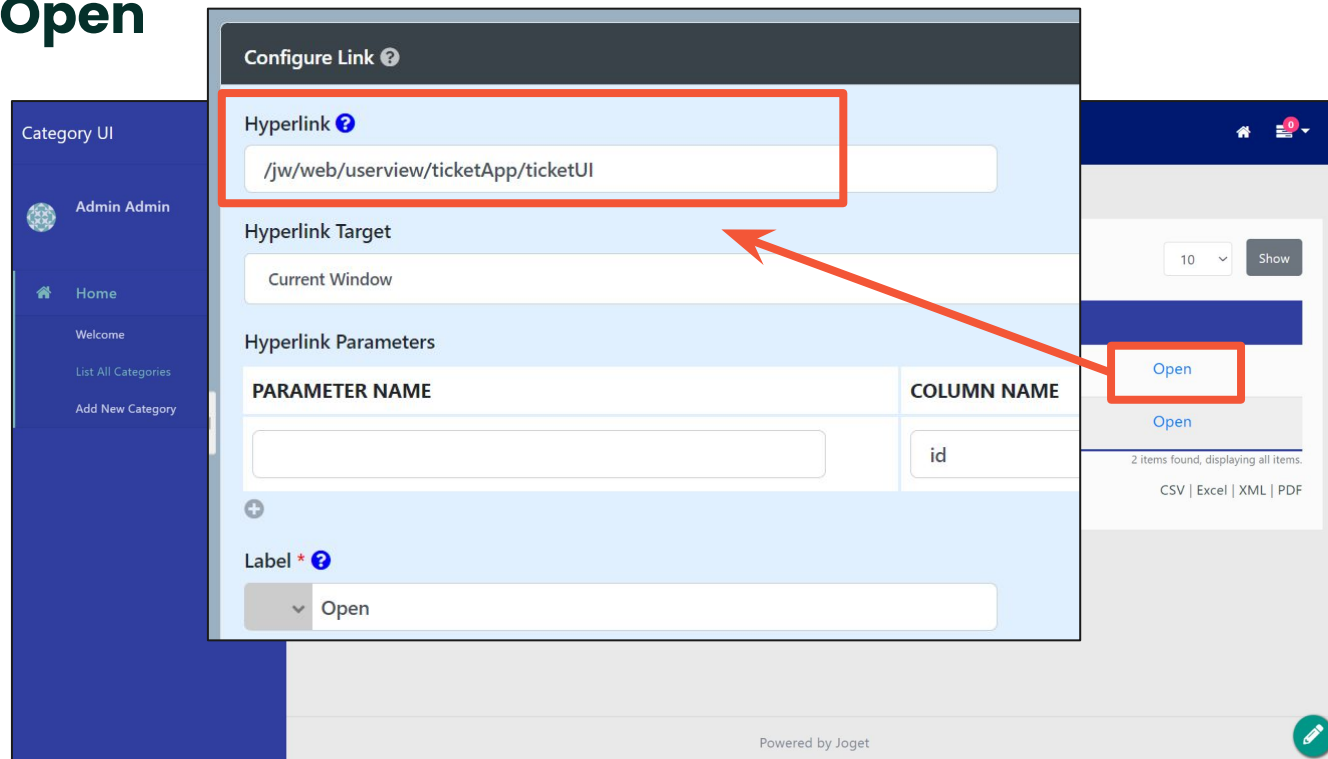
Example of link URL:

<http://localhost:8080/jw/web/userview/ticketApp/ticketUI/844b3f80-a9fe12fb-14babe20-2d82d3c9/>

UI Key Value

How to Link up Both UIs?

- Add a Link element in the Category List
 - Hyperlink : **Link to the ticket UI**
 - Parameter Name : **<empty>**, Column Name : **id**
 - Label : **Open**



Configure Link ?

Hyperlink ?

/jw/web/userview/ticketApp/ticketUI

Hyperlink Target

Current Window

Hyperlink Parameters

PARAMETER NAME	COLUMN NAME
	id

Label * ?

Open

Open

Open

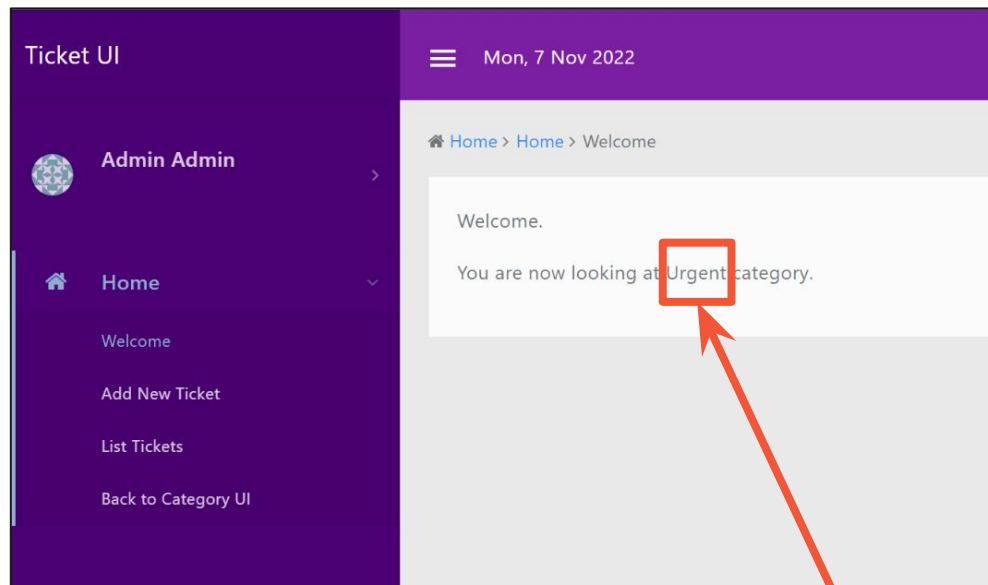
2 items found, displaying all items.

CSV | Excel | XML | PDF

Powered by Joget

Exercise 6 – Ticket UI – HTML Page

- The HTML Page would make use of the UI Key value to customize its message and serves as the landing page



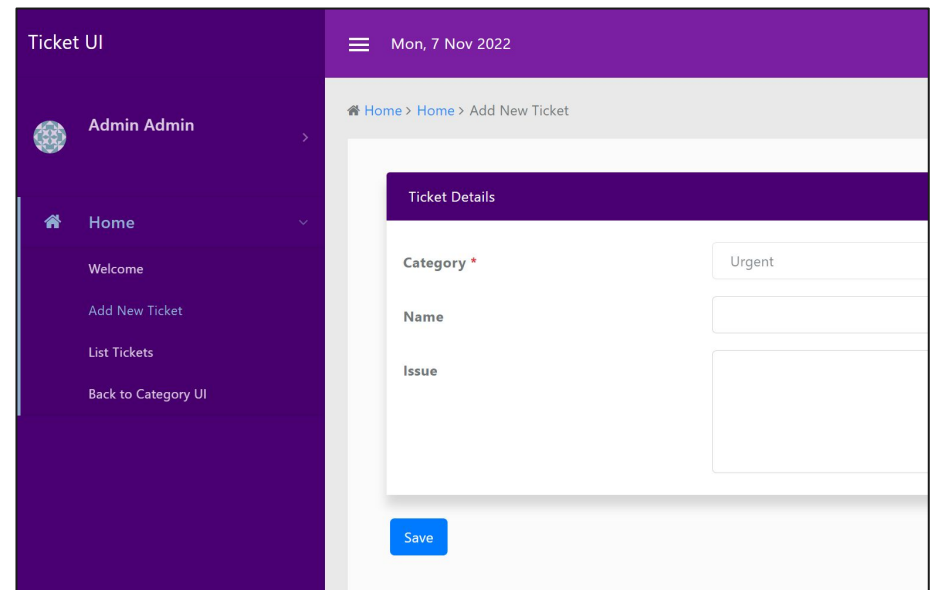
Welcome.

You are now looking at `#form.ticket_categories.name[requestParam.key]` category.

UI Key Value

Exercise 7 – Ticket UI – Form Building

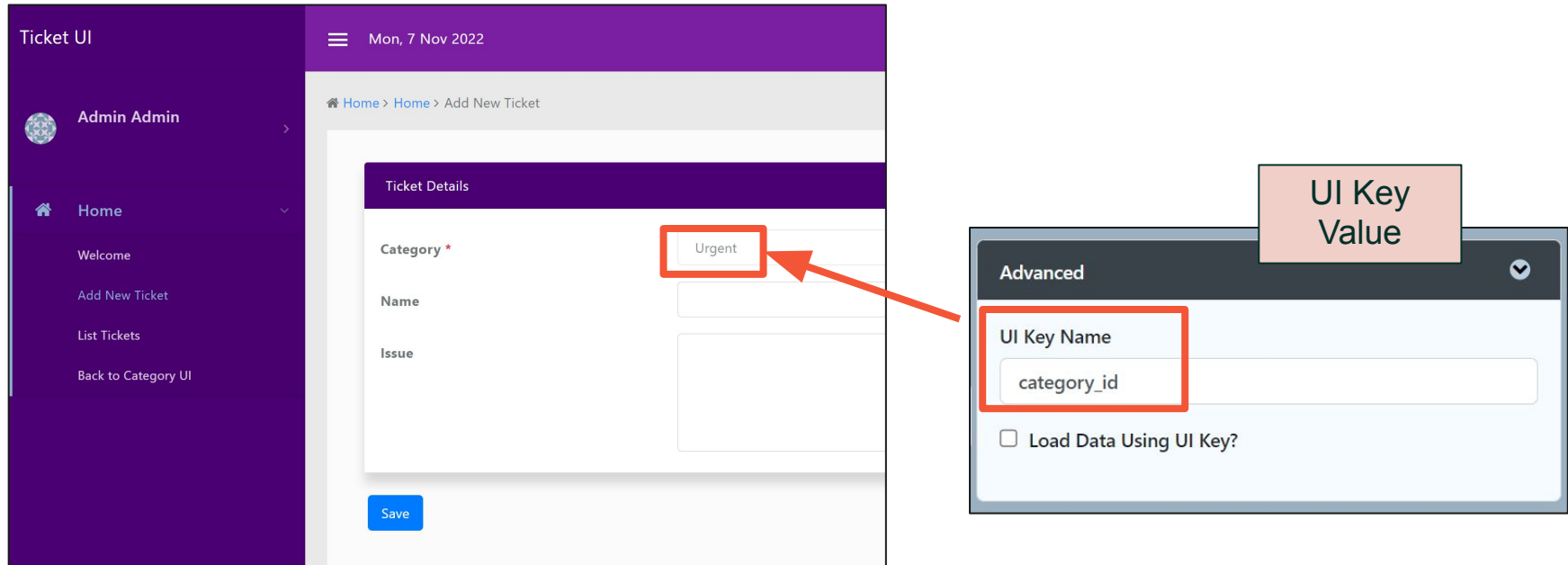
- Form
 - Form ID : **ticketForm**
 - Form Name : **Ticket Form**
 - Table Name : **ticket_tickets**
- Fields
 - Selectbox
 - Label : **Category**
 - ID : **category_id**
 - Or Load Data From : **Form Data**
 - Form : **Category Form**
 - Label Column : **name**
 - Textfield
 - Label : **Name**
 - ID : **name**
 - TextArea
 - Label : **Issue**
 - ID : **issue**



The screenshot displays a web application interface for a ticket management system. On the left is a dark purple sidebar with the title 'Ticket UI' and a user profile for 'Admin Admin'. The sidebar menu includes 'Home', 'Welcome', 'Add New Ticket', 'List Tickets', and 'Back to Category UI'. The main content area has a top header with a date 'Mon, 7 Nov 2022' and a breadcrumb trail 'Home > Home > Add New Ticket'. Below the breadcrumb is a 'Ticket Details' form. The form contains three fields: 'Category' (a select box with 'Urgent' selected), 'Name' (a text field), and 'Issue' (a text area). A blue 'Save' button is located at the bottom right of the form.

Exercise 8 – Ticket UI – Form UI Menu

- **Property Options**
 - Label : **Add New Ticket**
 - Form : **Ticket Form**
 - Advanced > UI Key Name : **category_id**
- **Category** in the form is pre-populated using the UI Key value



The image shows two screenshots illustrating the configuration of the Ticket UI form. The left screenshot displays the 'Ticket UI' form in a web application. The form has a sidebar menu with options like 'Home', 'Welcome', 'Add New Ticket', 'List Tickets', and 'Back to Category UI'. The main content area shows the 'Ticket Details' form with fields for 'Category', 'Name', and 'Issue'. The 'Category' field is pre-populated with the value 'Urgent'. The right screenshot shows the 'Advanced' properties of the form. A red box highlights the 'UI Key Name' field, which is set to 'category_id'. A red arrow points from this field to the 'Urgent' value in the 'Category' field of the form, indicating that the form is pre-populated using the UI Key value.

UI Key Value

Advanced

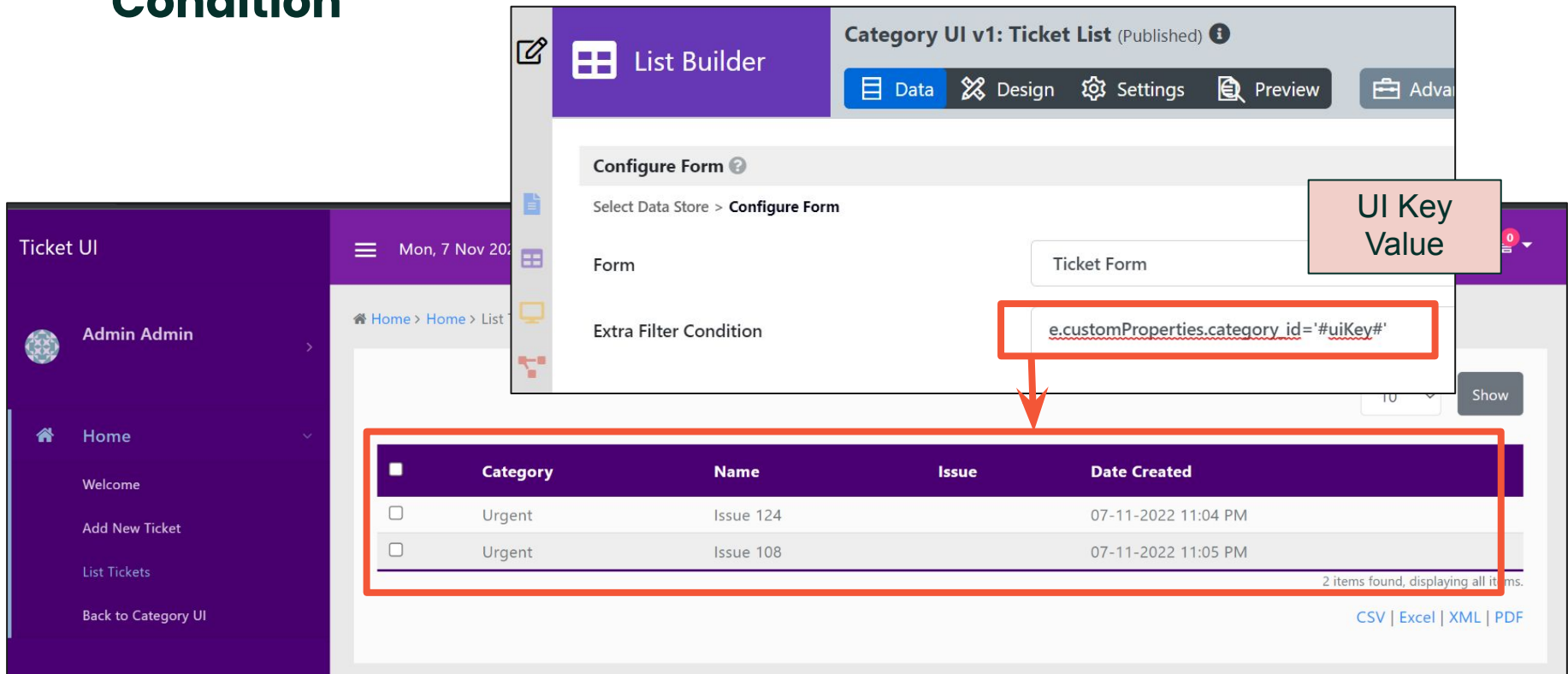
UI Key Name

category_id

☐ Load Data Using UI Key?

Exercise 9 – Ticket UI – List

- **List Tickets** will only list down records that are tied to specific category
- First method – Filter is added in the List's Data Store **Extra Filter Condition**



Category UI v1: Ticket List (Published)

List Builder

Configure Form ?

Select Data Store > **Configure Form**

Form

Extra Filter Condition

UI Key Value

`e.customProperties.category_id='#uiKey#'`

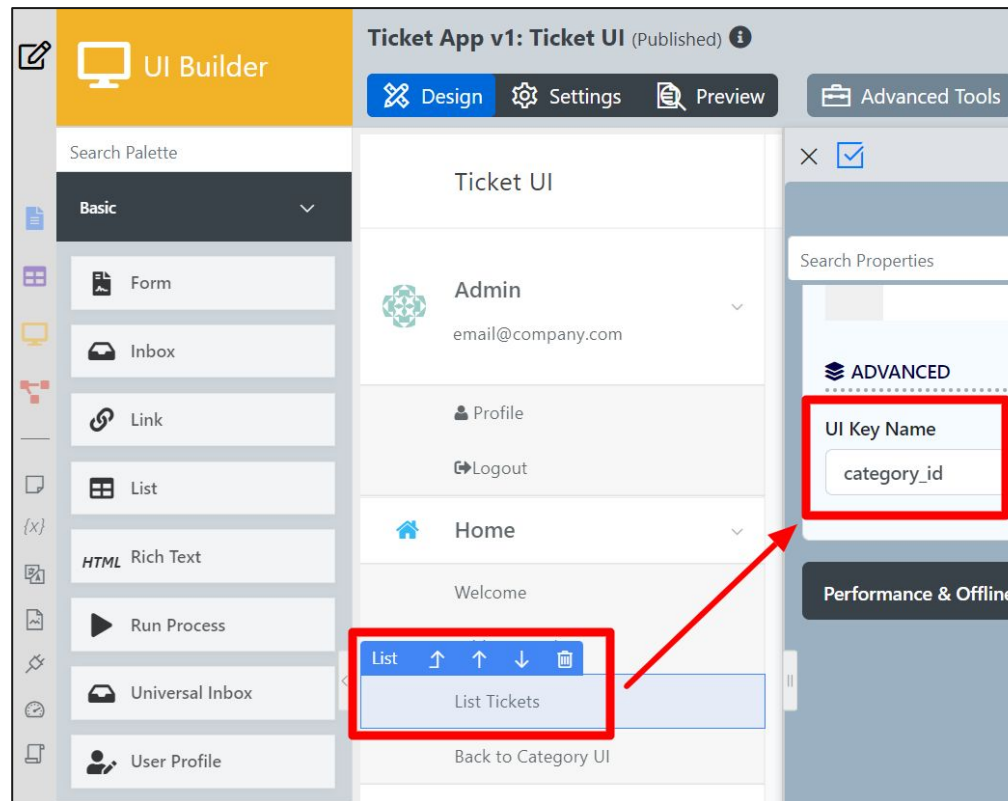
	Category	Name	Issue	Date Created
<input type="checkbox"/>	Urgent	Issue 124		07-11-2022 11:04 PM
<input type="checkbox"/>	Urgent	Issue 108		07-11-2022 11:05 PM

2 items found, displaying all items.

[CSV](#) | [Excel](#) | [XML](#) | [PDF](#)

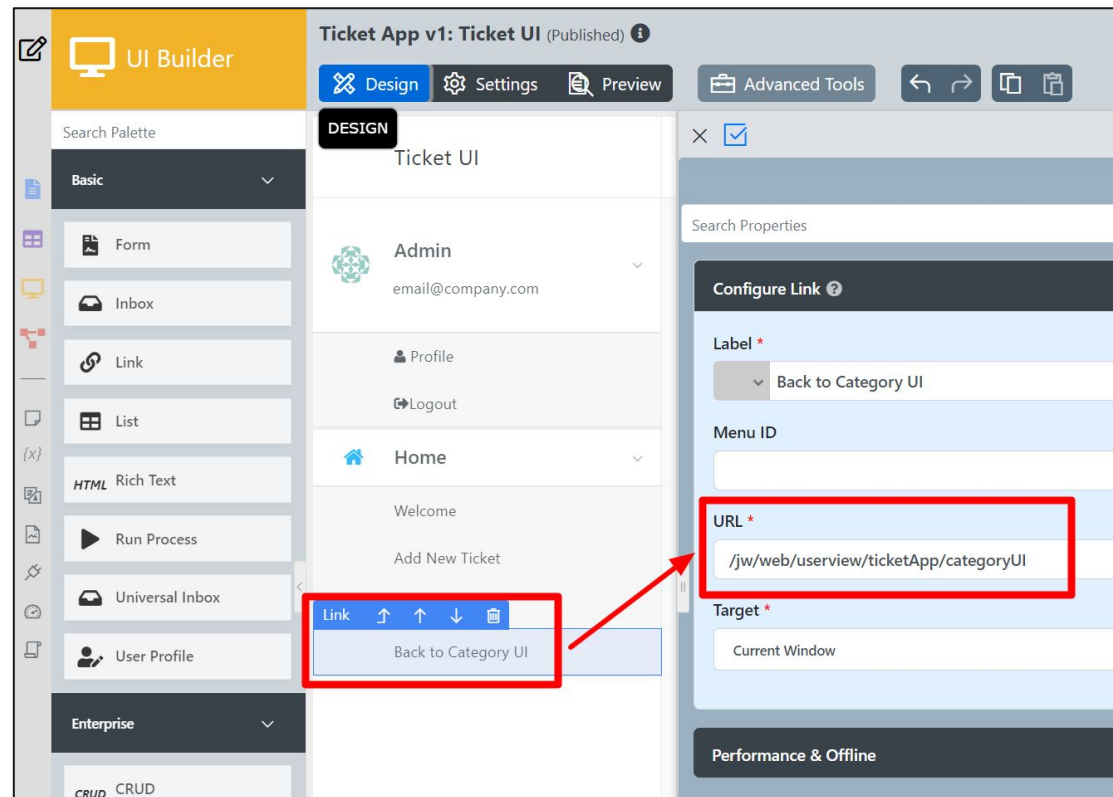
Exercise 10 – Ticket UI – List

- Second method – Filter can also be added in the UI List's Properties – **UI Key Name**



Exercise 11 – Ticket UI – List

- Last Item of the UI will be created as a **Link** to point back to the first UI



Optional Exercise – Approval Process

- Create a **Approval Process** and make use of the UI Key to prepopulate the first form in the process.

Reference:

<http://dev.joget.org/community/display/DX8/Run+Process+Menu>

Optional Exercise – Approval Process

- Make use of the App Generator feature: Click on **Generate App** button and click on **Advanced Generation** of **Approval Process**

APP GENERATOR

GENERATORS:

☐ **GENERATE LIST**
[More Info](#) [Advanced Generation](#)

☐ **GENERATE CRUD**
[More Info](#) [Advanced Generation](#)

☐ **GENERATE PROCESS - APPROVAL PROCESS**
[More Info](#) [Advanced Generation](#)

☐ **GENERATE PROCESS - ASSIGNMENT PROCESS**
[More Info](#) [Advanced Generation](#)

Generate

Optional Exercise – Approval Process

- Choose **Ticket UI** in **UI**
- Click **Generate**

PLUGIN CONFIGURATION

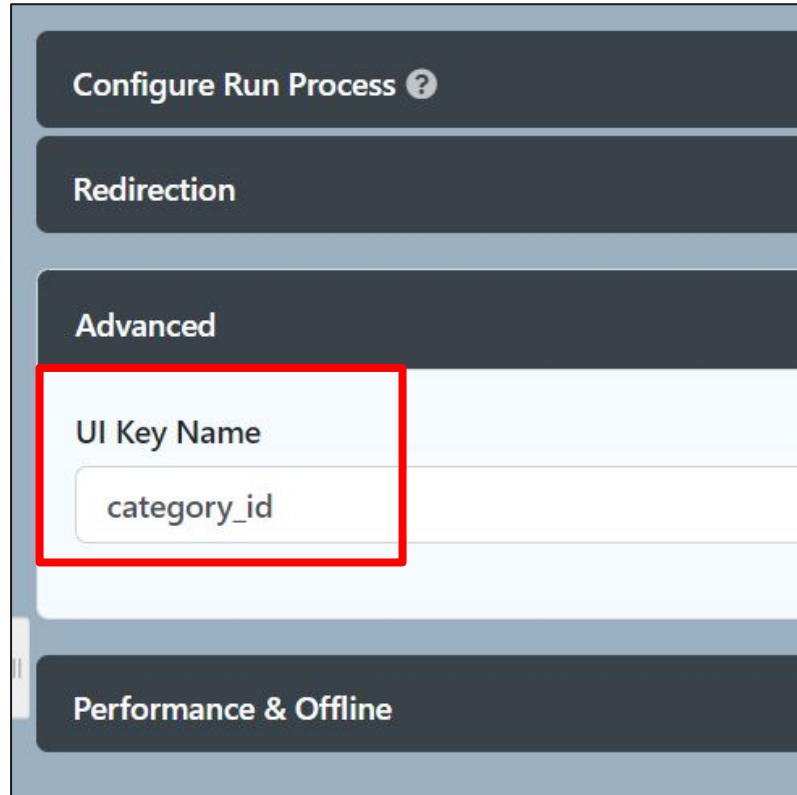
Options ?

Options > Advanced Options

Category Label *	<input type="text" value="<i class='fa fa-users'></i> Ticket Form Approval Process"/>
Start Process Menu Label *	<input type="text" value="Inbox"/>
Start Process Menu Label *	<input type="text" value="Submit Ticket Form"/>
Process Name *	<input type="text" value="Ticket Form Approval Process"/>
List	<input type="text" value="Ticket List"/> x v
UI	<div><div>Ticket UI</div>x v</div>

Optional Exercise – Approval Process

- Edit the newly created **Run Process** menu in **Ticket UI**
- Set **UI Key Name** to the field ID of the category select box in the **Ticket** form



Configure Run Process ?

Redirection

Advanced

UI Key Name

category_id

Performance & Offline

Other Optional Exercises and Discussions

- Create a simple graph to list down tickets by status based on UI Key
Reference:
<https://dev.joget.org/community/display/DX8/Chart+Page+Component>
- Limit the access to the second UI without a valid UI Key
Reference:
<https://dev.joget.org/community/display/DX8/Permission+Control>

Materials

- Completed App without the optional exercises can be obtained from the file **21.jwa**

Chapter Review

- Now you know how to use UI Key to:-
 - Pre-filter a List
 - Pre-populate a Form
 - Pre-populate a Run Process's Form
- And probably also:-
 - Create sub-level UI
 - Permission control
 - Creating a graph

Module Review

1. Appreciate the use of UI Key to enhance your App designing process

Recommended Further Learning

- You tell me!

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