


Joget DX

Userview Key

 <http://facebook.com/jogetworkflow>

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Prerequisites

1. Good understanding on designing App on Joget.

Content

1. Introduction
2. Applications of Userview Key

Chapter 1

Introduction

Introduction

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

- Reference:
<http://dev.joget.org/community/display/DX7/Userview+Key>

Sample usage of Userview Key

- The Datalist element makes use of the **Userview Key's Value** to pre-filter its listing.

The screenshot shows a web portal interface. The browser address bar contains the URL: `erview/test1/qc/CEO Office/0B69A3F7E7F4927AB8BB19B3A35F190`. The page title is "Portal" and the date is "Wed, 15 Feb 2012". On the left, there is a navigation menu with "Main" selected, containing "Profile" and "List". The main content area displays a datalist 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 options for CSV and PDF. A red box highlights the "Department" column in the table, and another red box highlights the "CEO Office" text in the browser address bar.

Chapter 2

Applications of Userview Key

List of Elements With Userview Key Support

- Run Process Userview Element
- Userview Form Element
- Userview List Element
- Chart Userview Menu
- Datalist Form Data Binder
- Datalist JDBC Datalist Binder

- Reference:
<http://dev.joget.org/community/display/DX7/Userview+Key>

The way forward...

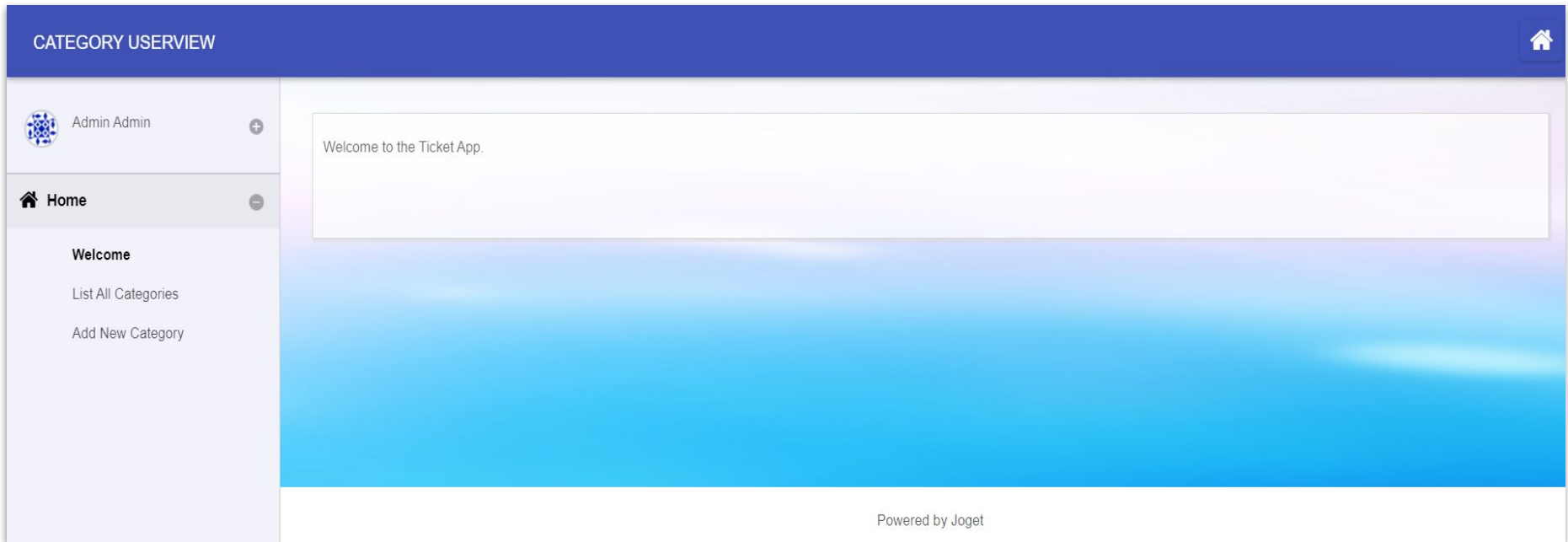
- We are going to create a new app and go through a series of exercises to appreciate the use of Userview Key.

Exercise

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

Exercise – Category Userview – HTML Page

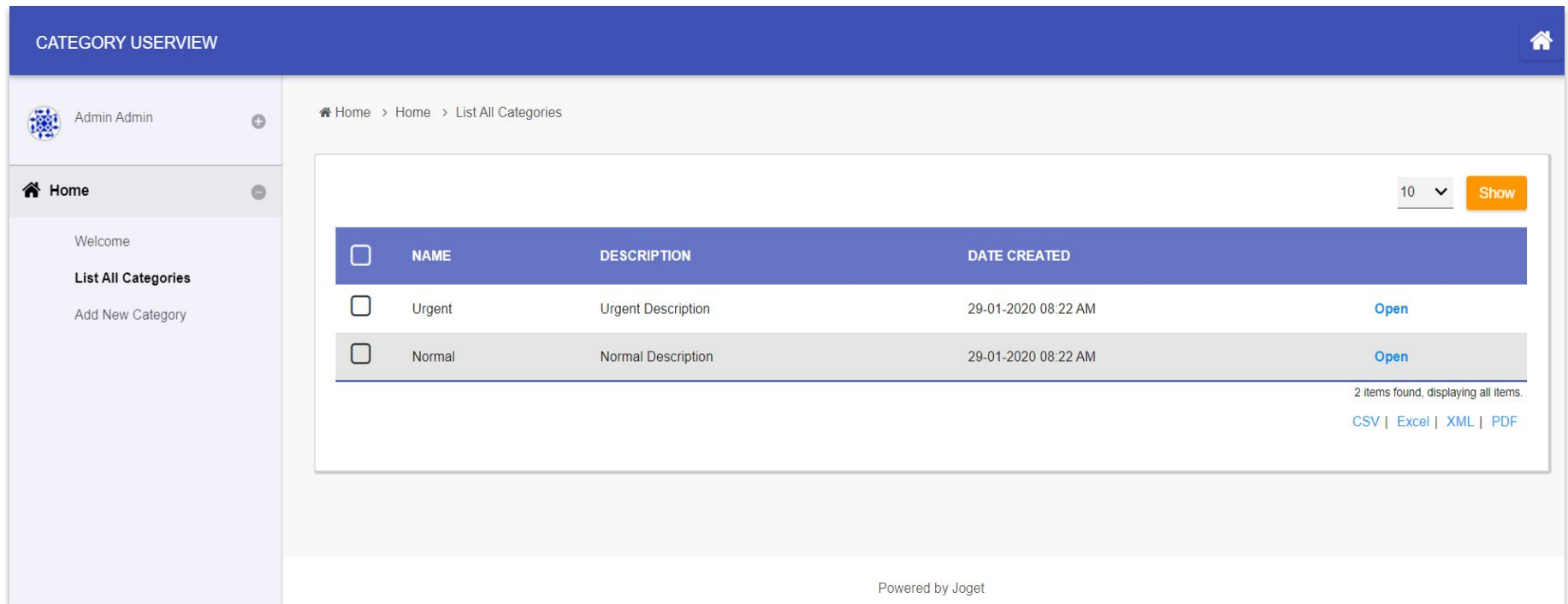
- The first menu will be dedicated to the HTML Page element to serve as a landing page.



The screenshot displays a web application interface with a dark blue header bar containing the text "CATEGORY USERVIEW" and a home icon. Below the header is a light blue sidebar menu. The menu items are: "Admin Admin" (with a user icon and a plus sign), "Home" (with a home icon and a minus sign), "Welcome", "List All Categories", and "Add New Category". The main content area features a white box with the text "Welcome to the Ticket App." and a large blue gradient background. At the bottom, a white footer bar contains the text "Powered by Joget".

Exercise – Category Userview – List

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



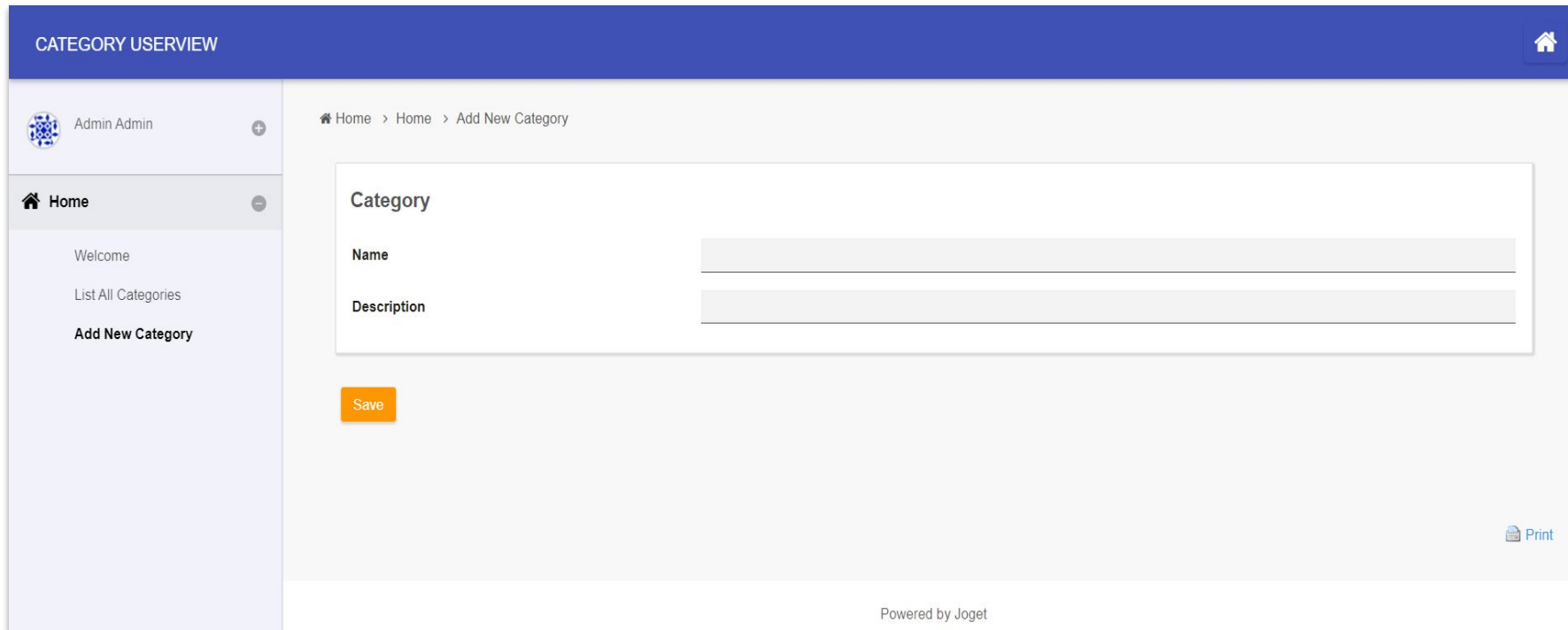
The screenshot shows a web application interface for 'CATEGORY USERVIEW'. The page title is 'CATEGORY USERVIEW' and the breadcrumb trail is 'Home > Home > List All Categories'. The user is logged in as 'Admin Admin'. The main content area displays a table with two rows of category data. The table has columns for 'NAME', 'DESCRIPTION', and 'DATE CREATED'. Each row includes a checkbox and an 'Open' link. Below the table, it indicates '2 items found, displaying all items.' and provides download options for 'CSV', 'Excel', 'XML', and 'PDF'. The footer of the page states 'Powered by Joget'.

<input type="checkbox"/>	NAME	DESCRIPTION	DATE CREATED	
<input type="checkbox"/>	Urgent	Urgent Description	29-01-2020 08:22 AM	Open
<input type="checkbox"/>	Normal	Normal Description	29-01-2020 08:22 AM	Open

2 items found, displaying all items.
[CSV](#) | [Excel](#) | [XML](#) | [PDF](#)

Exercise – Category Userview – Form

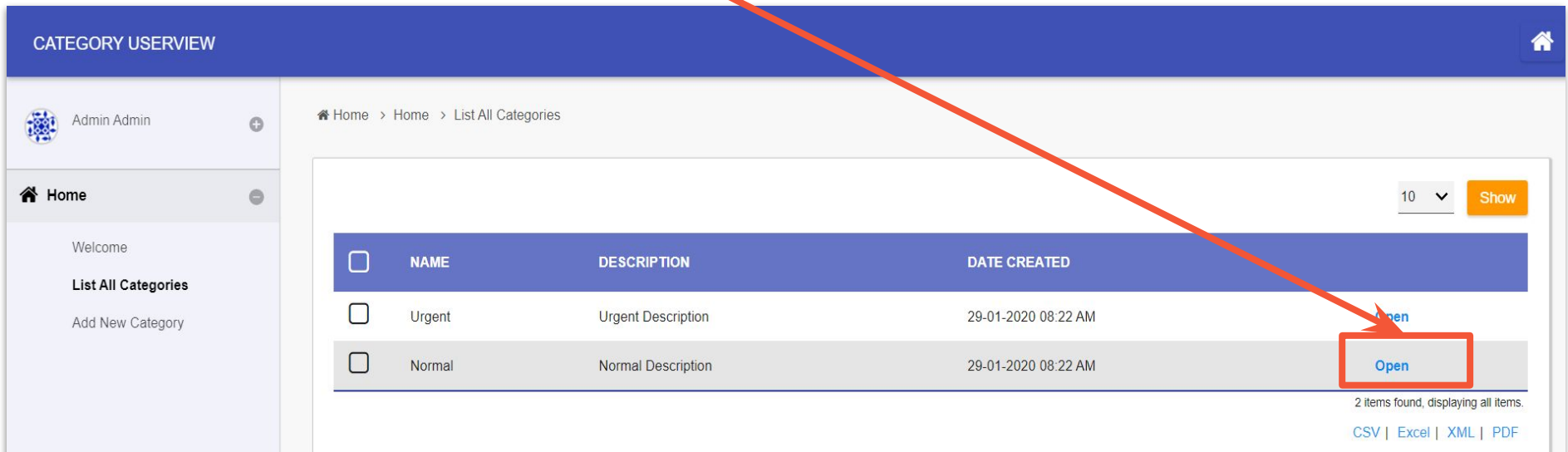
- The third menu item - Form – **Add New Category** is used to create new category.



The screenshot displays a web application interface for 'CATEGORY USERVIEW'. The top navigation bar is blue with a home icon. The left sidebar shows the user 'Admin Admin' and a menu with 'Home', 'Welcome', 'List All Categories', and 'Add New Category'. The main content area shows a breadcrumb trail 'Home > Home > Add New Category' and a form titled 'Category' with input fields for 'Name' and 'Description', and a 'Save' button. A 'Print' icon is visible in the bottom right corner of the content area, and the footer indicates 'Powered by Joget'.

Exercise – Linking to the Second Userview

- The second Userview will be opened from the listing in the first Userview.



CATEGORY USERVIEW

Admin Admin

Home > Home > List All Categories

10 Show

<input type="checkbox"/>	NAME	DESCRIPTION	DATE CREATED	Open
<input type="checkbox"/>	Urgent	Urgent Description	29-01-2020 08:22 AM	Open
<input type="checkbox"/>	Normal	Normal Description	29-01-2020 08:22 AM	Open

2 items found, displaying all items.
[CSV](#) | [Excel](#) | [XML](#) | [PDF](#)

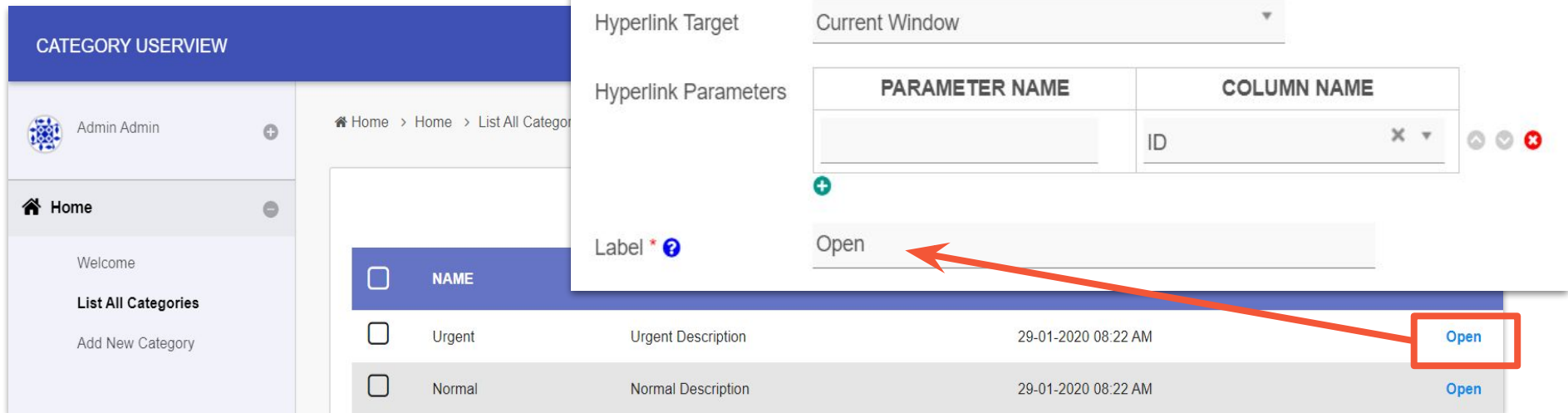
Example of link URL:

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

Userview Key Value

How to Link up Both Userviews?

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



The screenshot shows a web application interface with a sidebar and a main content area. A 'Configure Link' dialog box is open, showing the following configuration:

- Configure Link > Visibility Control**
- Hyperlink:** /jw/web/userview/ticketApp/ticketUv
- Hyperlink Target:** Current Window
- Hyperlink Parameters:**

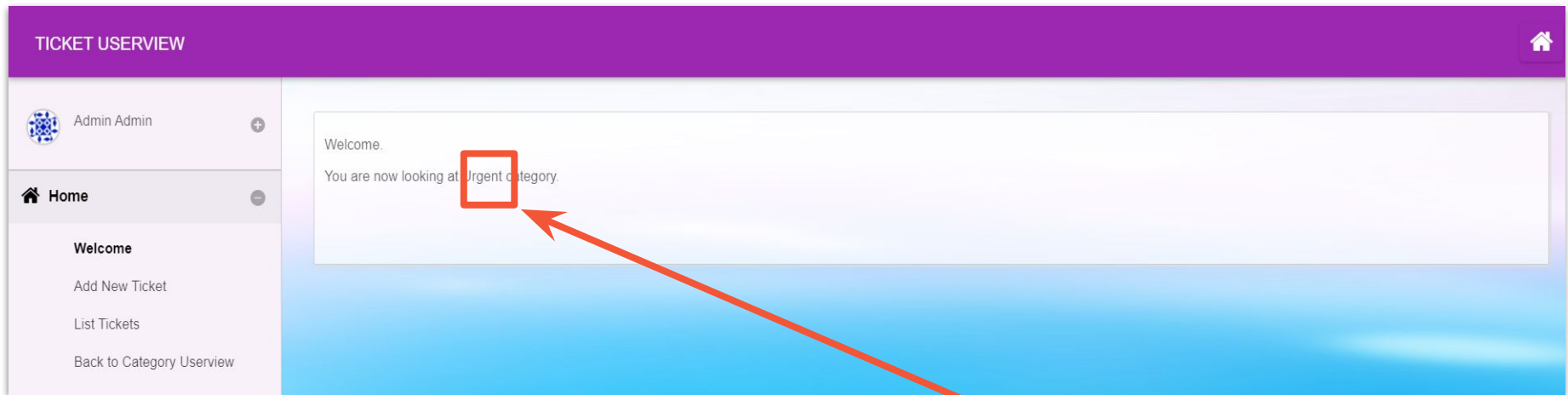
PARAMETER NAME	COLUMN NAME
	ID
- Label:** Open

An orange arrow points from the 'Open' label in the dialog box to the 'Open' link in the table below. The table below is a list of categories with columns for NAME, Description, and Date.

NAME	Description	Date	Action
<input type="checkbox"/> Urgent	Urgent Description	29-01-2020 08:22 AM	Open
<input type="checkbox"/> Normal	Normal Description	29-01-2020 08:22 AM	Open

Exercise – Ticket Userview – HTML Page

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



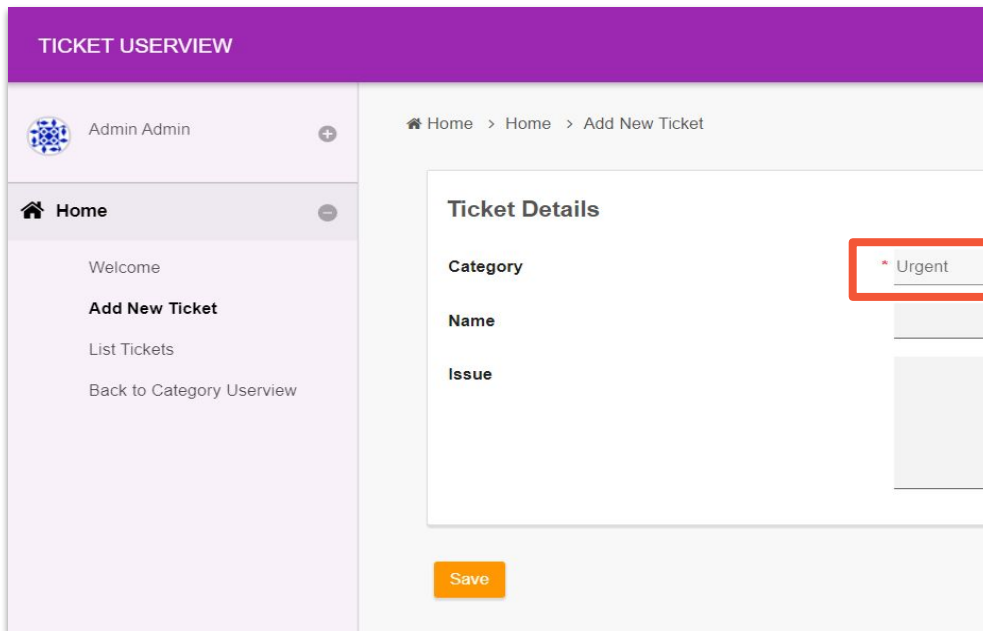
Welcome.

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

Userview Key
Value

Exercise – Ticket Userview – Form/Run Process

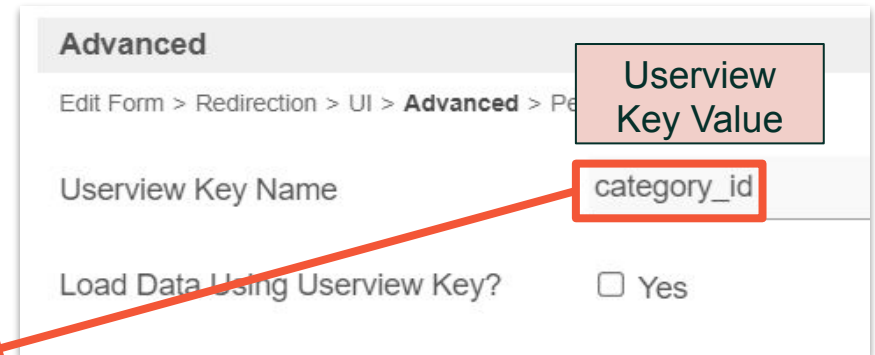
- **Add New Ticket** can be either a Form or a Run Process element.
- **Category** in the form is pre-populated using the Userview Key value.



The screenshot shows a web application interface for 'TICKET USERVIEW'. The main content area is titled 'Add New Ticket' and contains a form with the following fields:

- Category:** A dropdown menu with the value 'Urgent' selected and highlighted by a red box.
- Name:** An empty text input field.
- Issue:** An empty text area.

A 'Save' button is located at the bottom of the form.



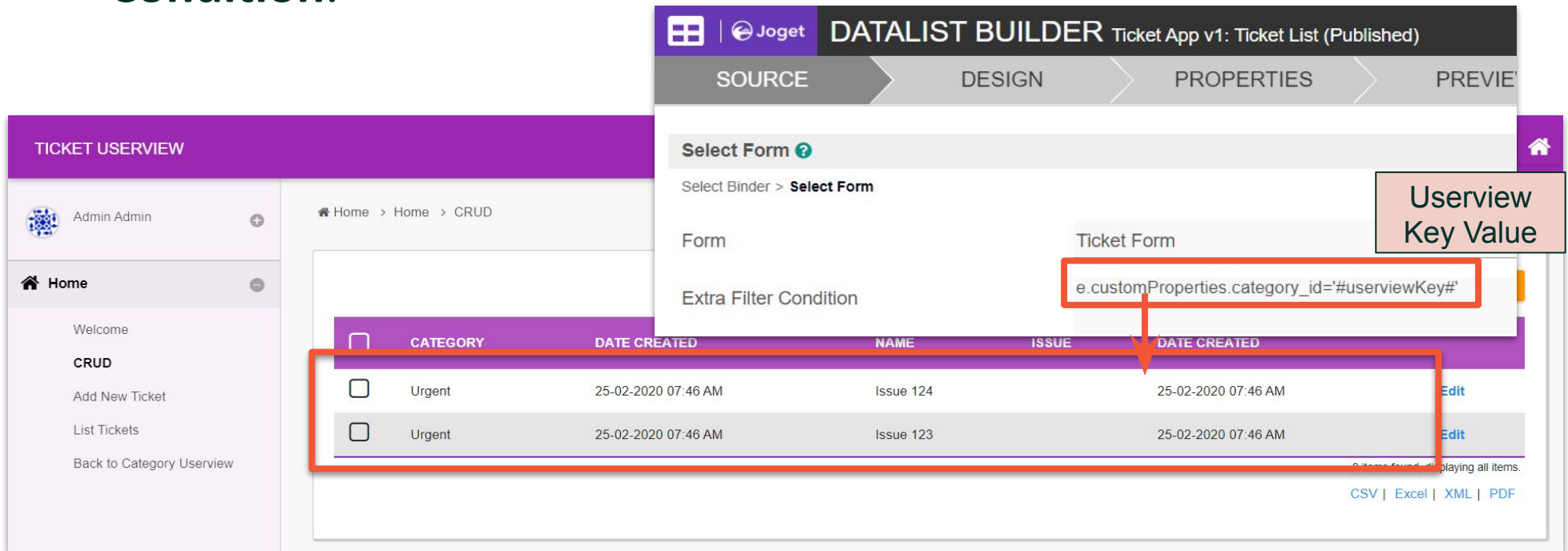
The screenshot shows the 'Advanced' configuration panel for the form. The configuration is as follows:

- Ursview Key Value:** A text field containing the value 'category_id', which is highlighted by a red box.
- Ursview Key Name:** A text field containing the value 'category_id', which is also highlighted by a red box.
- Load Data Using Ursview Key?:** A checkbox labeled 'Yes' that is currently unchecked.

An orange arrow points from the 'category_id' value in the 'Ursview Key Value' field to the 'Urgent' value in the 'Category' field of the form in the previous screenshot.

Exercise – Ticket Userview – List

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

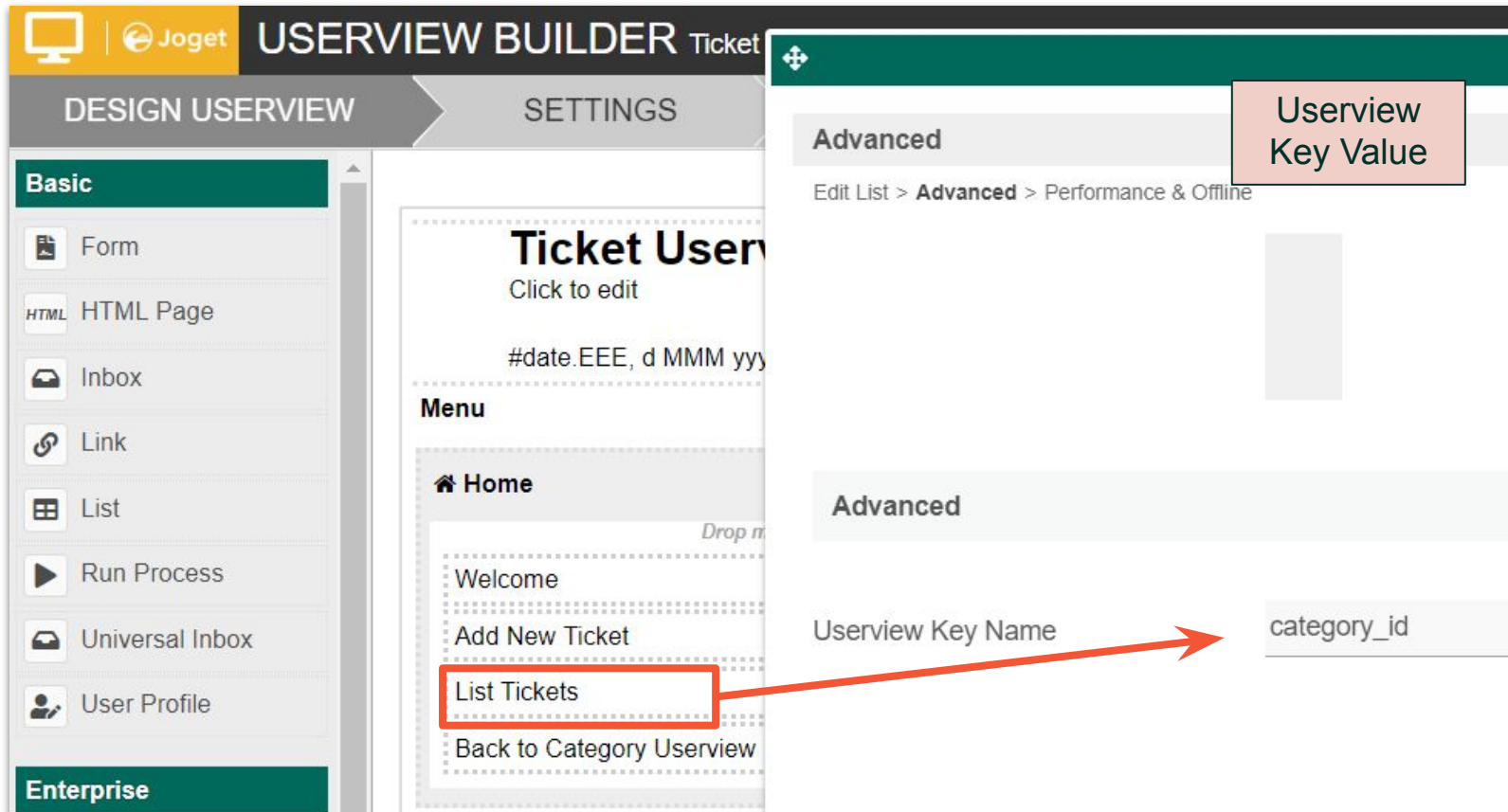


The screenshot shows the Joget Datalist Builder interface for a 'Ticket List' application. The main window displays a table of tickets with columns for Category, Date Created, Name, Issue, and Date Created. Two tickets are listed, both with the category 'Urgent'. A red box highlights the 'Extra Filter Condition' field in the Datalist Builder, which contains the expression `e.customProperties.category_id='#userviewKey#'`. A callout box labeled 'Userview Key Value' points to this expression. The left sidebar shows the application's navigation menu, including 'Home', 'Welcome', and 'CRUD' options like 'Add New Ticket', 'List Tickets', and 'Back to Category Userview'.

CATEGORY	DATE CREATED	NAME	ISSUE	DATE CREATED
<input type="checkbox"/> Urgent	25-02-2020 07:46 AM	Issue 124		25-02-2020 07:46 AM
<input type="checkbox"/> Urgent	25-02-2020 07:46 AM	Issue 123		25-02-2020 07:46 AM

Exercise – Ticket Userview – List

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

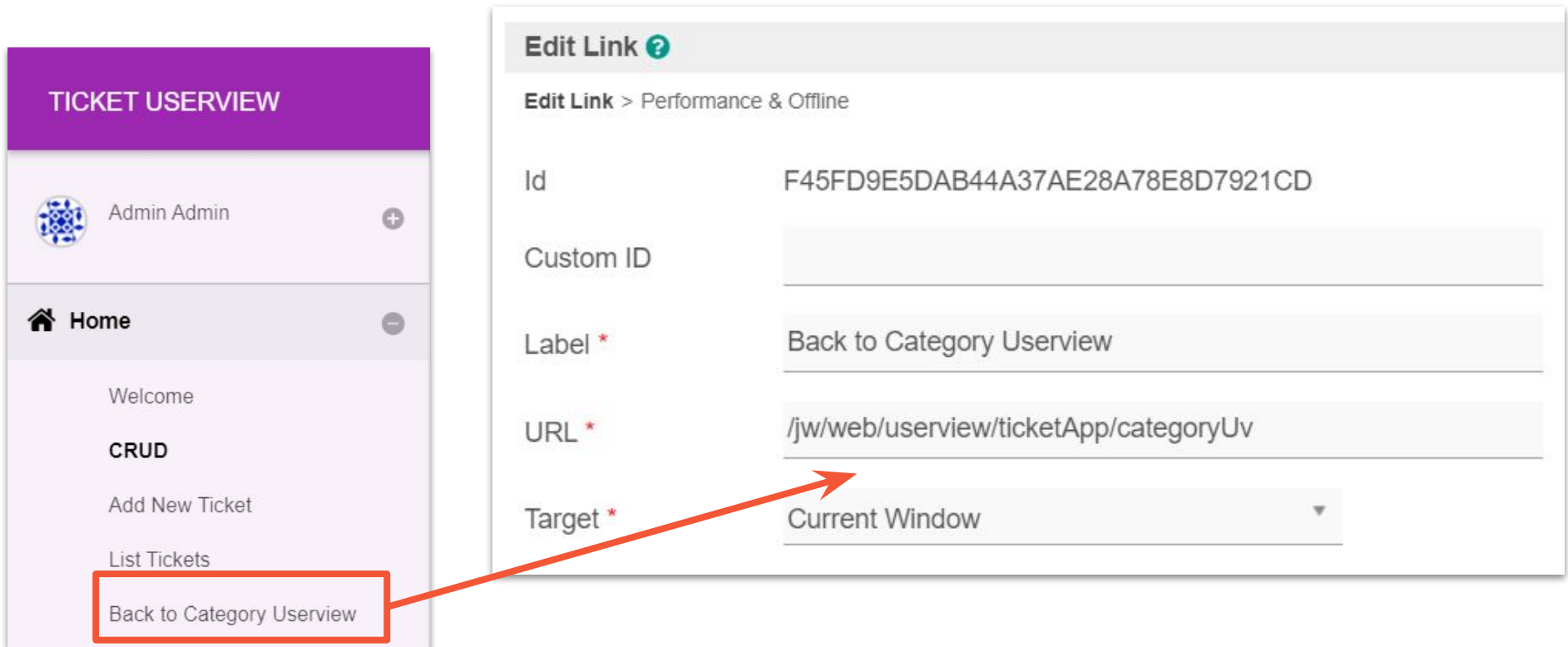


The screenshot displays the Joget Userview Builder interface for configuring a 'List Tickets' userview. The interface is divided into several sections:

- Header:** 'USERVIEW BUILDER Ticket' with 'DESIGN USERVIEW' and 'SETTINGS' tabs.
- Left Panel (Basic):** A list of userview types including Form, HTML Page, Inbox, Link, List, Run Process, Universal Inbox, and User Profile. The 'List' option is selected.
- Main Canvas:** Shows a preview of the 'Ticket Userview' with a menu containing 'Home', 'Welcome', 'Add New Ticket', 'List Tickets' (highlighted with a red box), and 'Back to Category Userview'.
- Right Panel (Advanced):** A configuration area for the selected userview. It shows the 'Userview Key Value' field and the 'Userview Key Name' field, which is set to 'category_id'. A red arrow points from the 'List Tickets' menu item in the main canvas to the 'Userview Key Name' field.

Exercise – Ticket Userview

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



TICKET USERVIEW

Admin Admin

Home

Welcome

CRUD

Add New Ticket

List Tickets

Back to Category Userview

Edit Link ?

Edit Link > Performance & Offline

Id: F45FD9E5DAB44A37AE28A78E8D7921CD

Custom ID:

Label *: Back to Category Userview

URL *: /jw/web/userview/ticketApp/categoryUv

Target *: Current Window

Optional Exercise – Approval Process

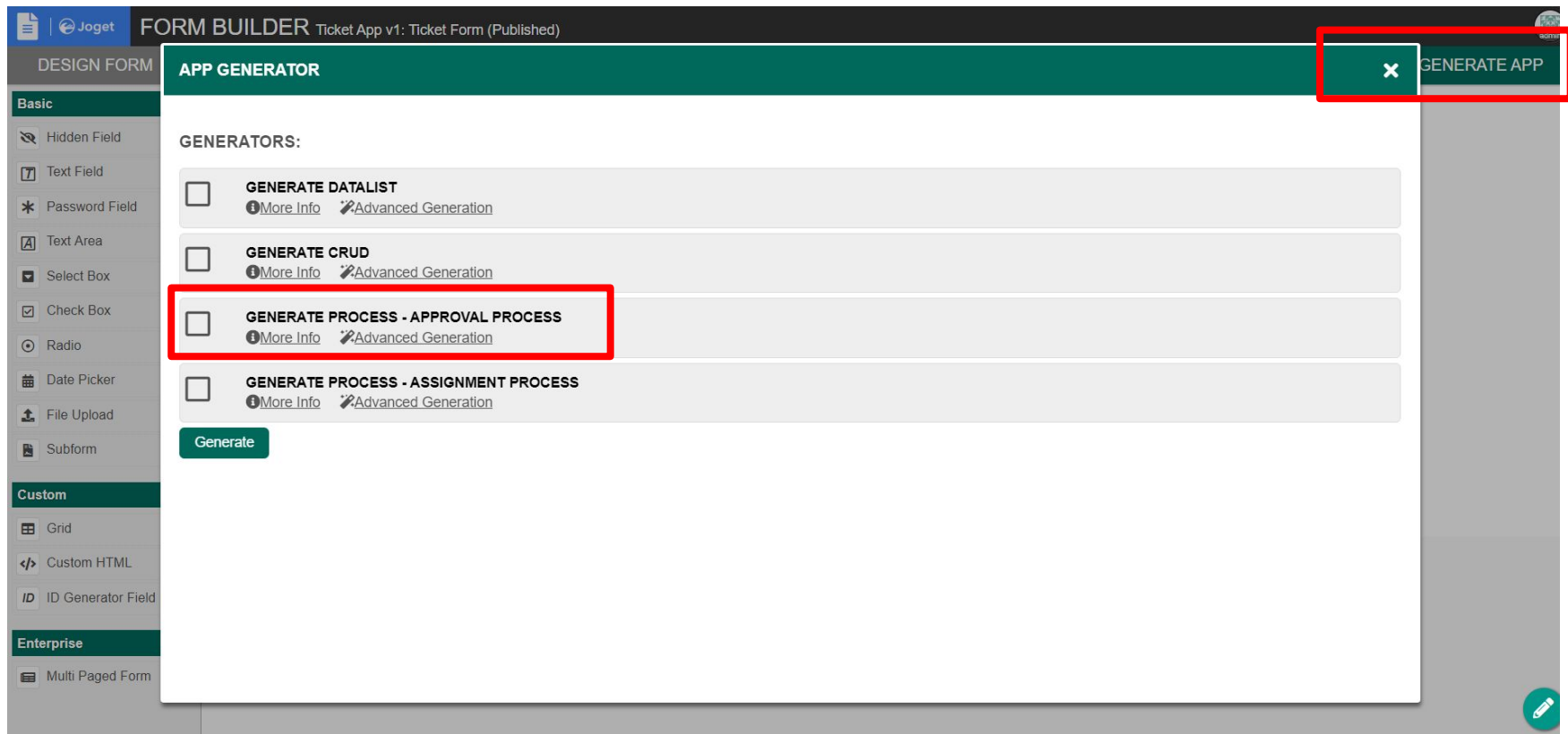
1. Create a **Approval Process** and make use of the Userview Key to prepopulate the first form in the process.

Reference:

<http://dev.joget.org/community/display/DX7/Run+Process+Menu>

Optional Exercise – Approval Process

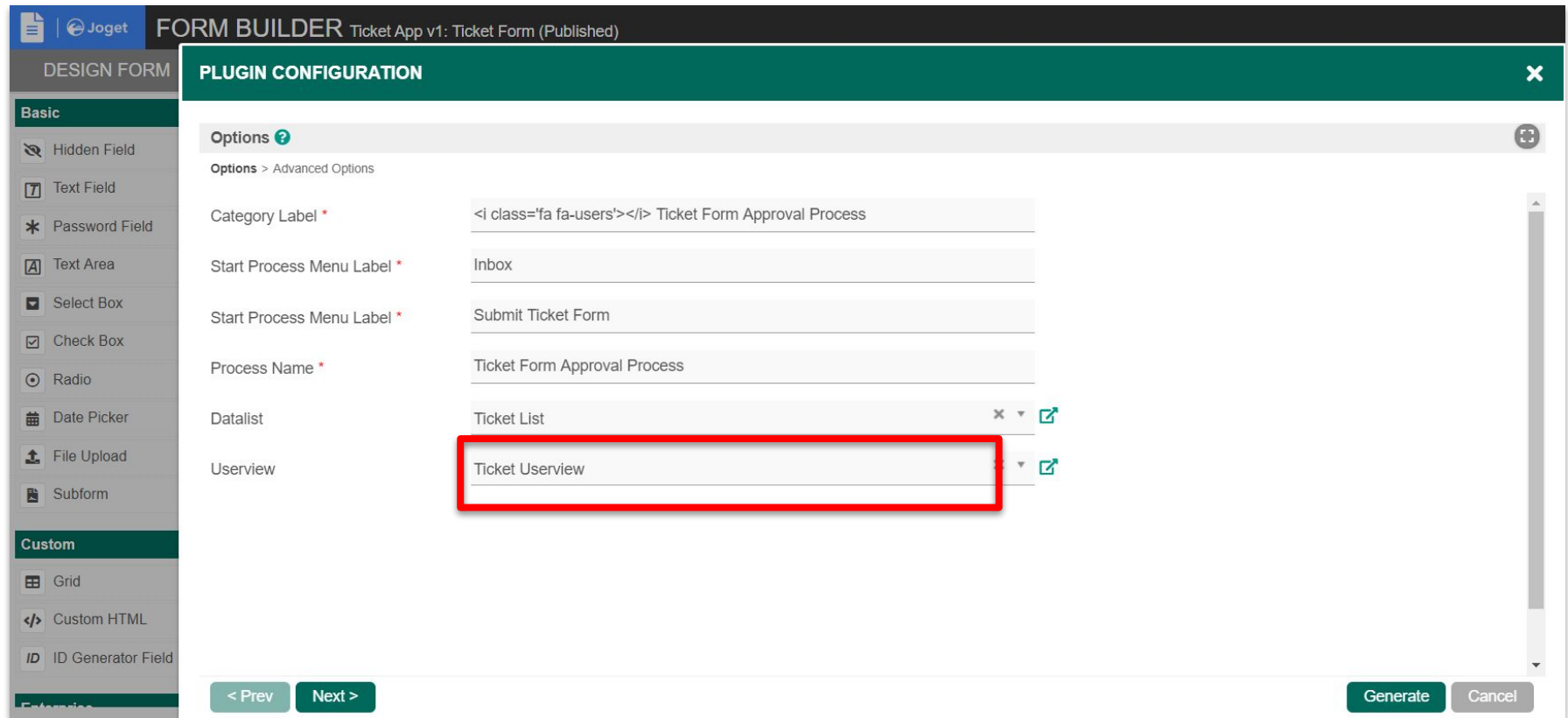
- Make use of the App Generator feature. Click on **Generate App** button and click on **Advanced Generation**.



The screenshot displays the Joget App Generator interface. At the top, the title bar reads "FORM BUILDER Ticket App v1: Ticket Form (Published)". Below this, a dark green header contains the "APP GENERATOR" title and a "GENERATE APP" button, which is highlighted with a red box. On the left side, a sidebar lists various form components under categories: "Basic" (Hidden Field, Text Field, Password Field, Text Area, Select Box, Check Box, Radio, Date Picker, File Upload, Subform), "Custom" (Grid, Custom HTML, ID Generator Field), and "Enterprise" (Multi Paged Form). The main area, titled "GENERATORS:", lists four options, each with a checkbox, a "More Info" icon, and an "Advanced Generation" icon. The "GENERATE PROCESS - APPROVAL PROCESS" option is highlighted with a red box. Below the list is a "Generate" button. A small pencil icon is visible in the bottom right corner of the interface.

Optional Exercise – Approval Process

- Choose Ticket Userview in Userview.
- Generate.



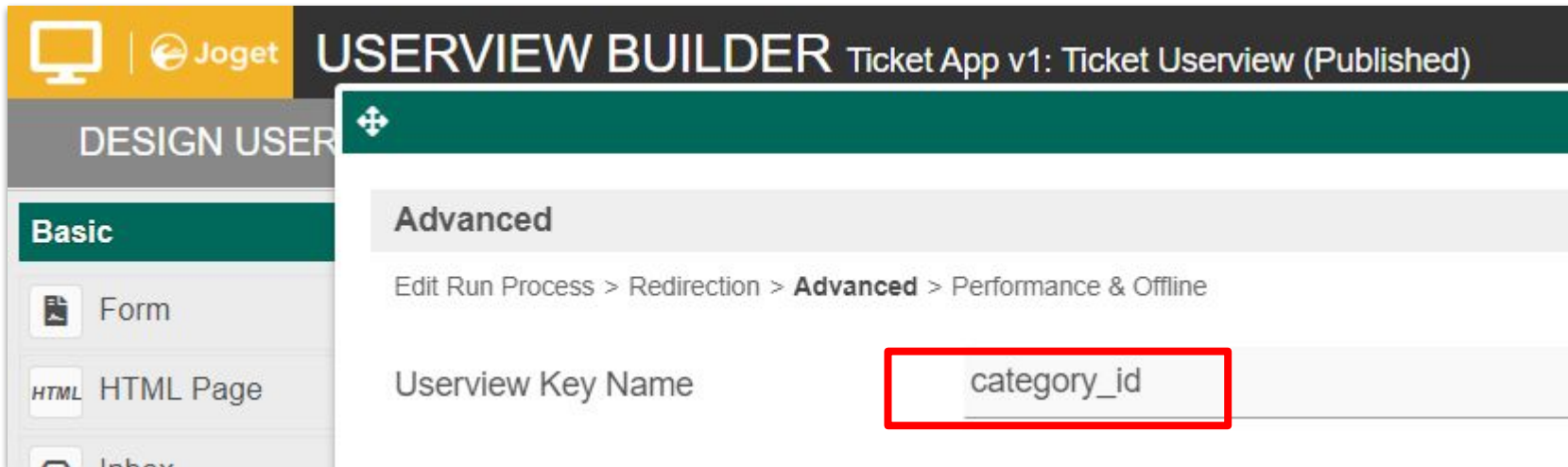
The screenshot shows the 'PLUGIN CONFIGURATION' dialog in the Joget Form Builder. The dialog is titled 'PLUGIN CONFIGURATION' and has a close button (X) in the top right corner. The main content area is divided into sections: 'Options' (with a help icon), 'Options > Advanced Options', and a list of configuration fields. The fields are:

- Category Label * : `<i class='fa fa-users'></i> Ticket Form Approval Process`
- Start Process Menu Label * : Inbox
- Start Process Menu Label * : Submit Ticket Form
- Process Name * : Ticket Form Approval Process
- Datalist : Ticket List (with a dropdown arrow and an external link icon)
- Userview : Ticket Userview (highlighted with a red box, with a dropdown arrow and an external link icon)

At the bottom of the dialog, there are navigation buttons: '< Prev', 'Next >', 'Generate', and 'Cancel'.

Optional Exercise – Approval Process

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



The screenshot shows the Joget Userview Builder interface. The top bar displays the Joget logo and the text "USERVIEW BUILDER Ticket App v1: Ticket Userview (Published)". The left sidebar shows the "DESIGN USER" menu with options for "Basic", "Form", "HTML Page", and "Job". The main area shows the "Advanced" settings for a "Run Process" menu. The "Userview Key Name" field is highlighted with a red box and contains the text "category_id".

Other Optional Exercises and Discussions

2. Create a simple graph to list down tickets by status based on Userview Key.

Reference:

<http://dev.joget.org/community/display/DX7/Chart>

3. Limit the access to the second Userview without a valid Userview Key.

Reference:

<http://dev.joget.org/community/display/DX7/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 Userview Key to:-
 - Pre-filter a List
 - Pre-populate a Form
 - Pre-populate a Run Process's Form
- And probably also:-
 - Create sub-level Userview
 - Permission control
 - Creating a graph

Module Review

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

Recommended Further Learning

- You tell me!

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