

# **RADS**

# **Userview Key**

<https://github.com/radservice/rad-community/fork>

# Prerequisites

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1. Good understanding on designing App on RADS.

# Content

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1. Introduction
2. Applications of Userview Key

A horizontal bar with a black left half and an orange right half.

# Chapter I

## Introduction

# Introduction

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- **Uerview Key** serves as a placeholder for a common value to be used by its elements (i.e. [Uerview Menu](#)).
- The usage of the Uerview Key is dependent on the implementation of the element such as [Uerview Menu](#).
- Reference: <https://docs.rads.purwana.net/Uerview+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/qo CEO Office/0B69A3F7E7F4927AB8BB19B3A35F190`. The page title is "Portal" and the date is "Wed, 15 Feb 2012". On the left, there is a sidebar with a "Main" section containing "Profile" and "List" links. The "List" link is active. 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	

The "Department" column is highlighted with a red box, indicating the filter applied. At the bottom right, there is an "Export" button with a CSV icon.



# Chapter 2

## Applications of Userview Key

# List of Elements With Userview Key Support

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- Run Process Userview Element
  - Userview Form Element
  - Userview List Element
  - Chart Userview Menu
  - Datalist Form Data Binder
  - Datalist JDBC Datalist Binder
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- Reference: <https://docs.rads.purwana.net/Userview+Key>



# The way forward...

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

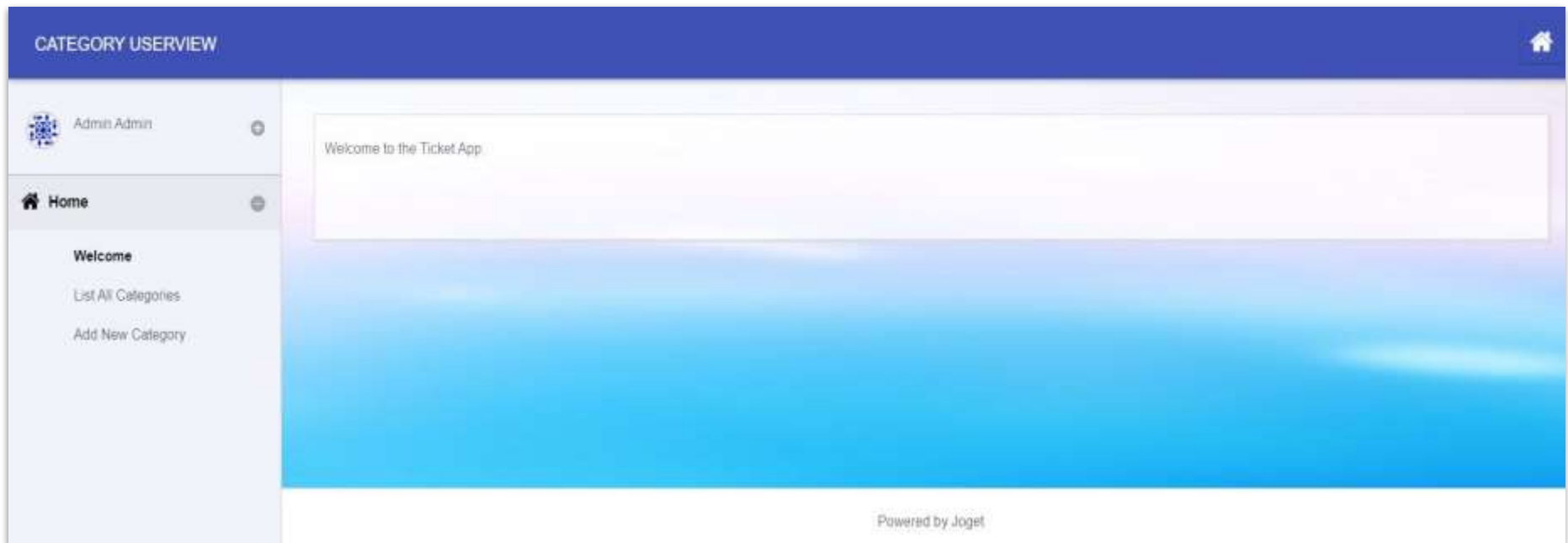
# Exercise

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- 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.



# Exercise - Category Userview - List

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

The screenshot displays the 'CATEGORY USERVIEW' interface. On the left is a sidebar with a user profile 'Admin Admin' and a 'Home' menu. The main content area shows a breadcrumb trail 'Home > Home > List All Categories'. A table lists two categories: 'Urgent' and 'Normal', each with a description and a creation date of '29-01-2020 08:22 AM'. Each row has an 'Open' link. A pagination bar at the top right of the table shows '10' items and a 'Show' button. Below the table, it states '2 items found, displaying all items.' and provides links for 'CSV', 'Excel', 'XML', and 'PDF'. The footer indicates 'Powered by Jogel'.

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

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 titled "CATEGORY USERVIEW". The interface includes a left-hand navigation menu with the following items: "Admin Admin", "Home", "Welcome", "List All Categories", and "Add New Category". The "Home" menu item is currently selected. The main content area shows a breadcrumb trail: "Home > Home > Add New Category". Below the breadcrumb, there is a form titled "Category" with two input fields: "Name" and "Description". An orange "Save" button is positioned below the form. In the bottom right corner of the main area, there is a "Print" button. The footer of the application states "Powered by Jotit".

# Exercise - Linking to the Second Userview

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

The screenshot shows a web application interface titled "CATEGORY USERVIEW". On the left is a sidebar with a user profile "Admin Admin" and a menu with "Home", "Welcome", "List All Categories", and "Add New Category". The main content area shows a breadcrumb "Home > Home > List All Categories" and a table of categories. The table has columns for a checkbox, NAME, DESCRIPTION, and DATE CREATED. Two rows are visible: "Urgent" and "Normal". An "Open" button is highlighted with a red box and a red arrow pointing to it from the text "The second Userview will be opened from the listing in the first Userview." in the slide text above. Below the table, it says "2 items found, displaying all items." and "CSV | Excel | XML | PDF".

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

Example of link URL:

<http://localhost:8080/rad/web/userview/ticketApp/ticketv/844b3f80-a9fe12fb-14babe20->

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

**Configure Link** ?

Configure Link > Visibility Control

Hyperlink ?

Hyperlink Target

Hyperlink Parameters

PARAMETER NAME	COLUMN NAME
	ID

Label \* ?

**CATEGORY USERVERVIEW**

Admin Admin

Home

Welcome

List All Categories

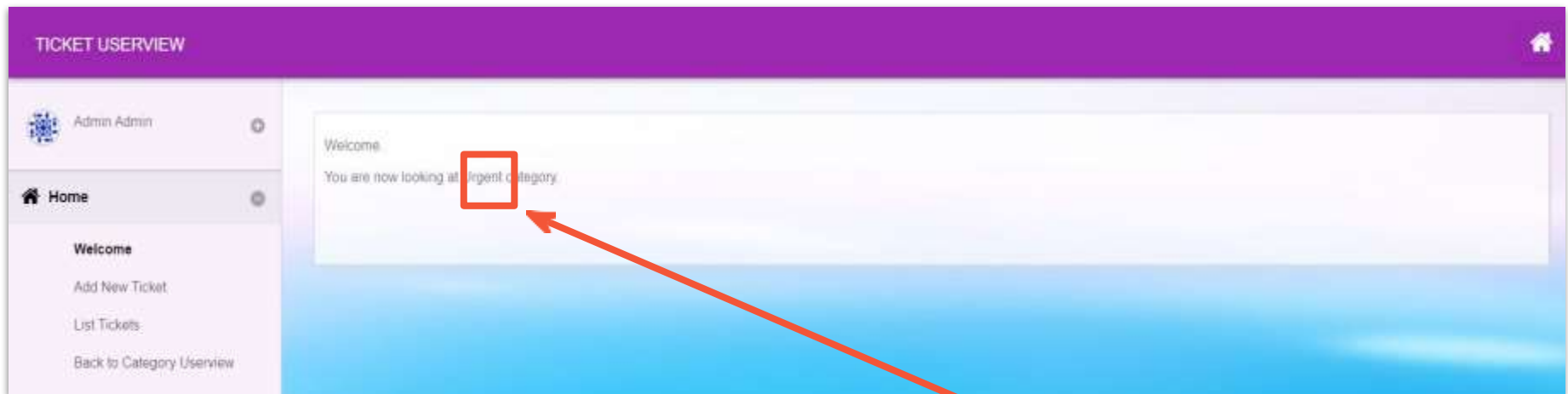
Add New Category

<input type="checkbox"/>	NAME		
<input type="checkbox"/>	Urgent	Urgent Description	29-01-2020 08:22 AM
<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.

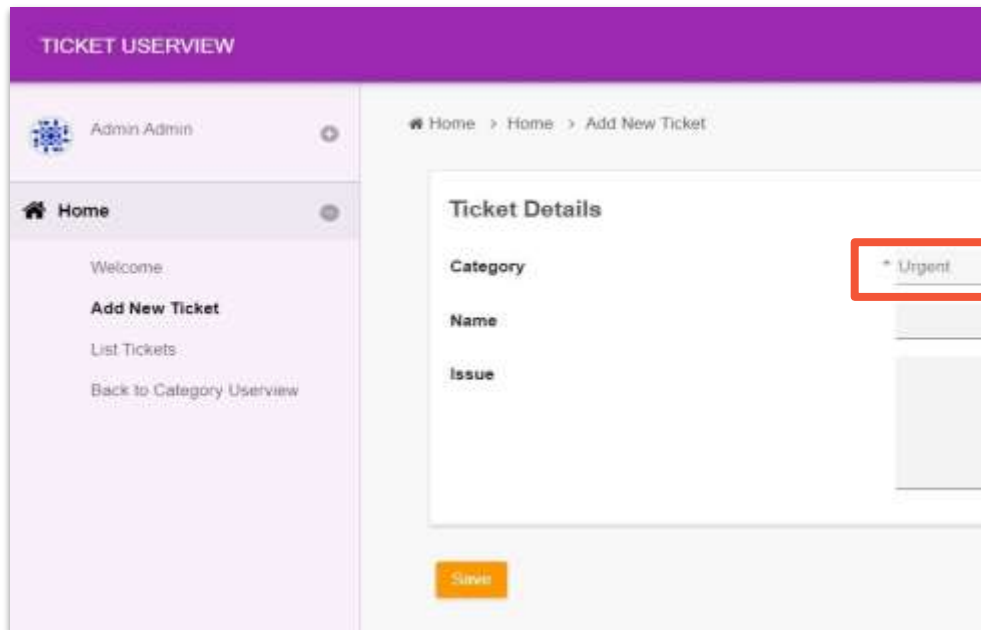
You are now looking at `#form.ticket_categories.name[{requestParam.key}]#`  
category.

Uview Key
Value

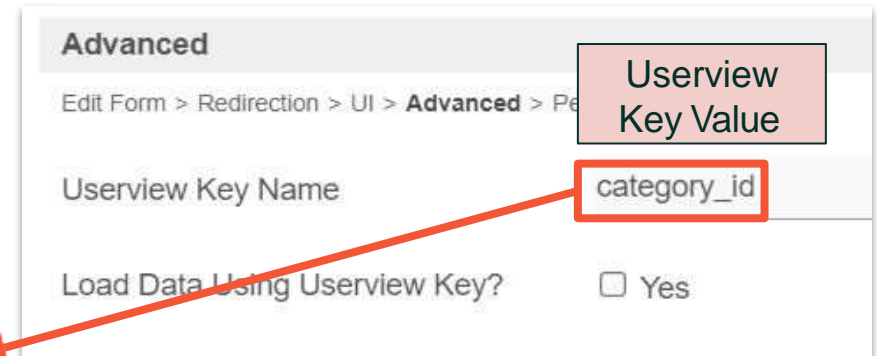


# Exercise - Ticket Userview - Form/Run Process

- **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 the 'TICKET USERVERVIEW' interface. On the left is a sidebar with a 'Home' menu and a list of links: 'Welcome', 'Add New Ticket', 'List Tickets', and 'Back to Category Userview'. The main content area is titled 'Add New Ticket' and contains a 'Ticket Details' form. The 'Category' field in this form is pre-populated with the value '\* Urgent'. A red box highlights this field, and a red arrow points from it to the 'category\_id' field in the 'Advanced' configuration panel on the right.



The screenshot shows the 'Advanced' configuration panel. It contains the following fields and options:

- Advanced** (Section Header)
- Edit Form > Redirection > UI > Advanced > Pa** (Breadcrumb)
- Userview Key Value** (Text input field)
- Userview Key Name** (Text input field, containing the value `category_id`)
- Load Data Using Userview Key?** (Checkbox, currently unchecked, with the label 'Yes' next to it)

A red box highlights the 'category\_id' value in the 'Userview Key Name' field, and a red arrow points from it to the '\* Urgent' value in the 'Category' field of the form on the left.

# 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 displays the RAD Service interface. On the left, the 'TICKET USERVIEW' sidebar shows a navigation menu with 'Home' selected. The main area shows the 'CRUD' section with a table of tickets. A 'DATALIST BUILDER' overlay is visible, showing the configuration for the 'Ticket List'.

**Ticket Userview Table:**

	CATEGORY	DATE CREATED	NAME	ISSUE	DATE CREATED
<input type="checkbox"/>	Urgent	25-02-2020 07:48 AM	Issue 124		25-02-2020 07:48 AM
<input type="checkbox"/>	Urgent	25-02-2020 07:46 AM	Issue 123		25-02-2020 07:46 AM

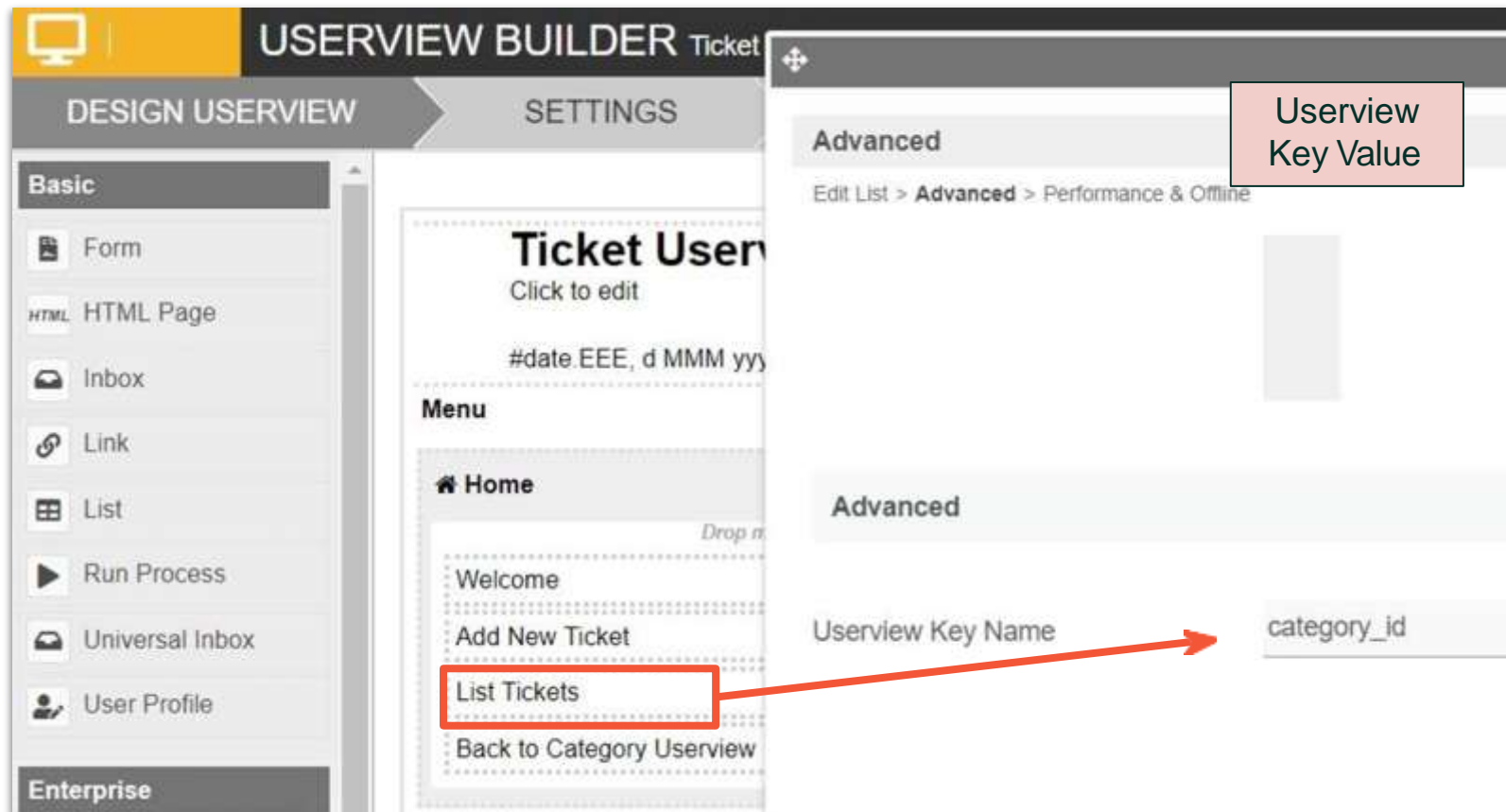
**DATALIST BUILDER Configuration:**

- Form: Ticket Form
- Extra Filter Condition: `e.customProperties.category_id='#userviewKey#'`

A red box highlights the 'Extra Filter Condition' field, and a red arrow points from the 'userviewKey#' part of the condition to the 'Urgent' category in the table. A callout box labeled 'Userview Key Value' points to the 'userviewKey#' part of the condition.

# Exercise - Ticket Userview - List

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



# Exercise - Ticket Userview

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

The image shows two parts of a software interface. On the left is a sidebar menu titled 'TICKET USERVIEW'. It contains a user profile 'Admin Admin', a 'Home' button, and a 'CRUD' section with options: 'Welcome', 'Add New Ticket', 'List Tickets', and 'Back to Category Userview'. The 'Back to Category Userview' option is highlighted with a red box. On the right is the 'Edit Link' configuration form. It shows the link's ID, a custom ID field, the label 'Back to Category Userview', the URL '/rad/web/ursview/ticketApp/categoryUv', and the target 'Current Window'. A red arrow points from the red box in the sidebar to the URL field in the form.

**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 \* /rad/web/ursview/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: <https://docs.rads.purwana.net/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 FORM BUILDER interface for 'Ticket App v1: Ticket Form (Published)'. The left sidebar lists various form components under 'Basic', 'Custom', and 'Enterprise' categories. The main area is titled 'APP GENERATOR' and contains a list of generators. The 'GENERATE APP' button in the top right corner is highlighted with a red box. The 'GENERATE PROCESS - APPROVAL PROCESS' option in the list is also highlighted with a red box. Below the list is a 'Generate' button.

**FORM BUILDER** Ticket App v1: Ticket Form (Published)

**DESIGN FORM**

**APP GENERATOR** × **GENERATE APP**

**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

**Enterprise**

- Multi Paged Form

**GENERATORS:**

- ☐ **GENERATE DATALIST**  
[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 Userview in Userview.
- Generate.

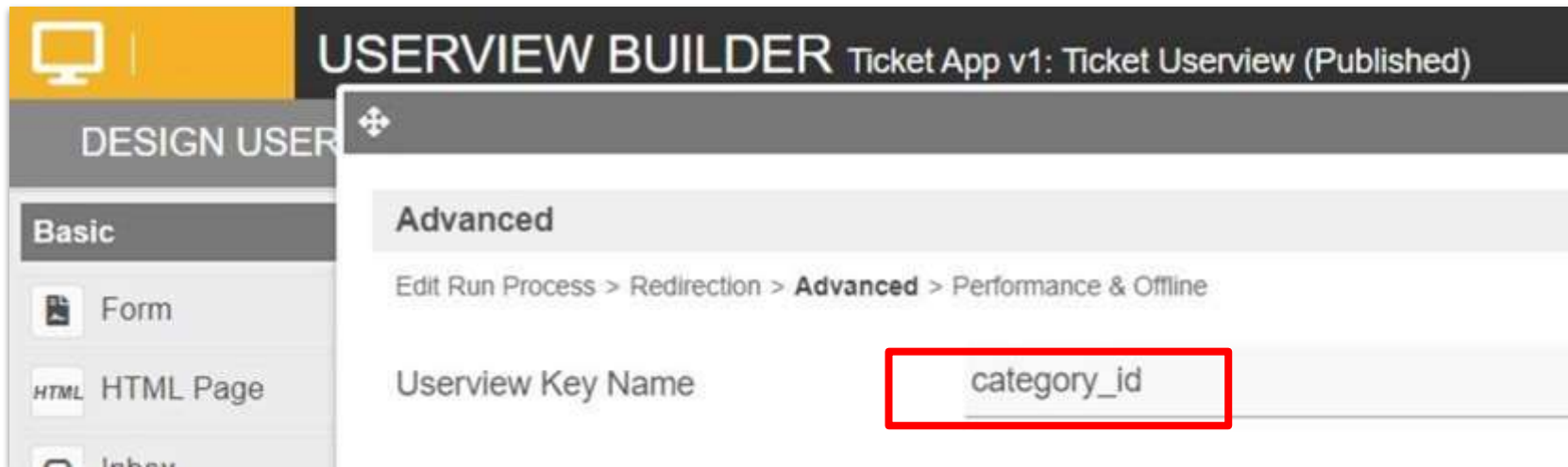
The screenshot shows the 'FORM BUILDER' interface for 'Ticket App v1: Ticket Form (Published)'. The 'PLUGIN CONFIGURATION' dialog is open, displaying various configuration options. The 'Userview' field is highlighted with a red box, indicating the selection of 'Ticket Userview'. The 'Process Name' is set to 'Ticket Form Approval Process', and the 'Start Process Menu Label' is 'Inbox'. The 'Datalist' is set to 'Ticket List'.

Field	Value
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
Userview	Ticket Userview

Buttons at the bottom: < Prev, Next >, Generate, 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.





# Other Optional Exercises and Discussions

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

Reference: <https://docs.rads.purwana.net/Chart>

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

Reference: <https://docs.rads.purwana.net/Permission+Control>

# Materials

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

# Chapter Review

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- 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

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- You tell me!

# Stay Connected With RADS

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- [rads.purwana.net](https://rads.purwana.net)
- <https://github.com/radservice/rad-community>