

RADS

Designing your first Form

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



Prerequisites

- Appreciates the use of a form
- Understanding on ER diagram is highly recommended
- Created a Process



Content

- 1. Introduction to Form Builder
- 2. Designing your First Forms
- 3. Controlling Process by using Form



Chapter I

Introduction to Form Builder

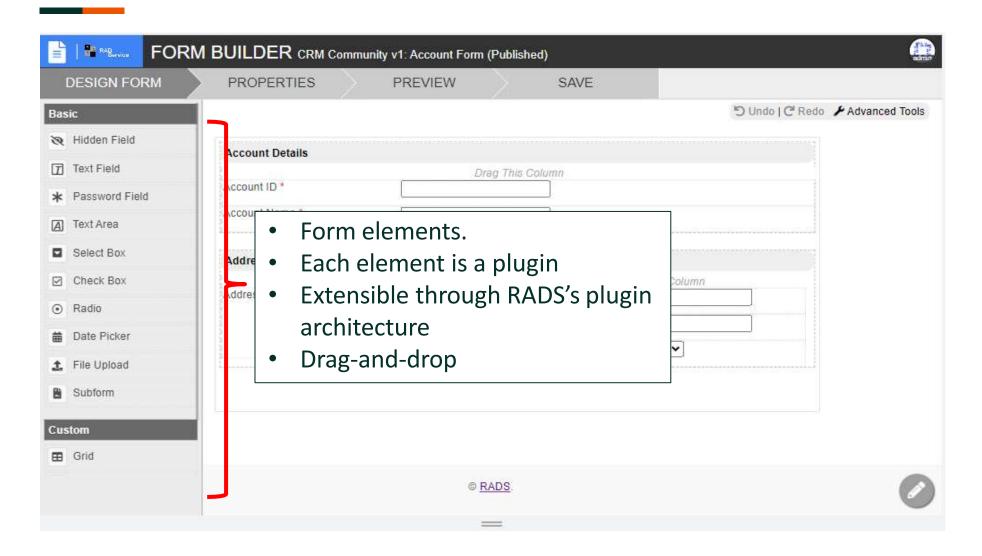


Form Builder

- Used as a mean to collect information/interact with the end user.
- Drag and drop, and configure based form builder.
- Little/No programming knowledge needed to operate.
- Extensible functionalities through RADS's plugin architecture.



Form Builder





Form Builder

ADVANCED TOOLS



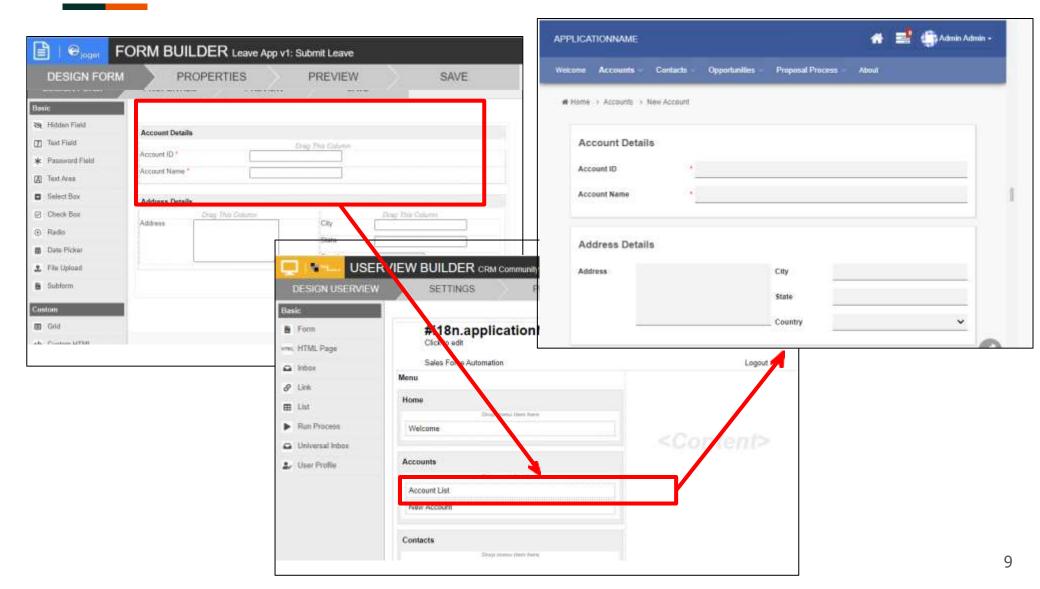


Where and How Form is used?

- By itself
 - Each form record is distinctive by itself.
 - Made accessible through the use of Userview.



Form or CRUD in Userview



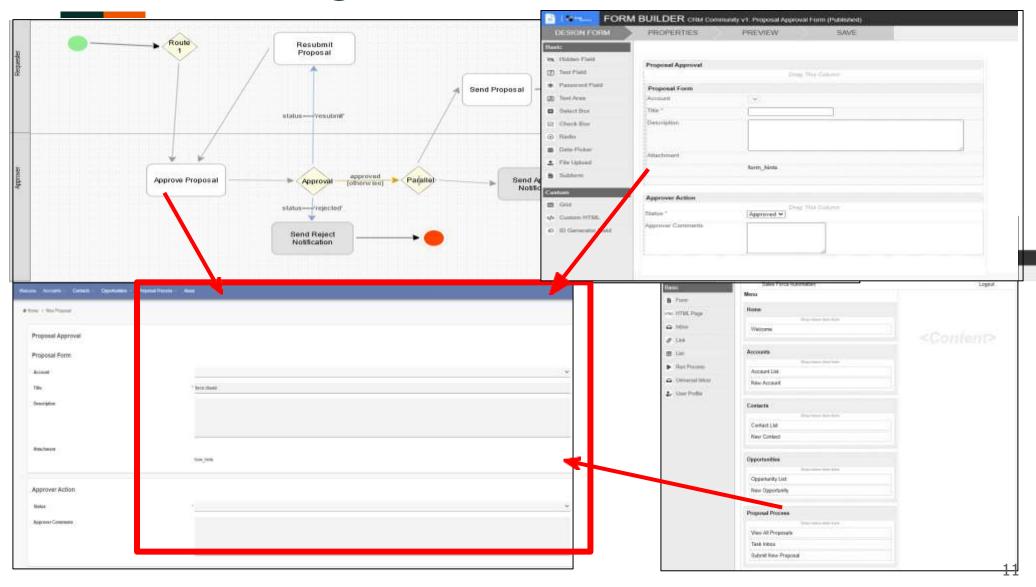


Where and How Form is Used?

- Part of a Process
 - Each form record relates to a process instance.
 - Made accessible through the process activity's assignment view in the Inbox.
 - Inbox is made accessible via the App Center or Userview.



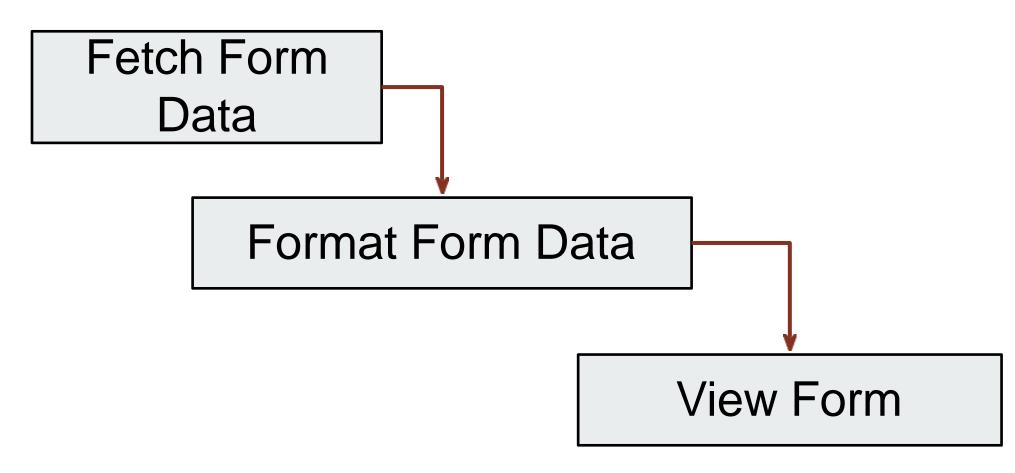
Form - Assignment - Inbox - Userview





Viewing a Form

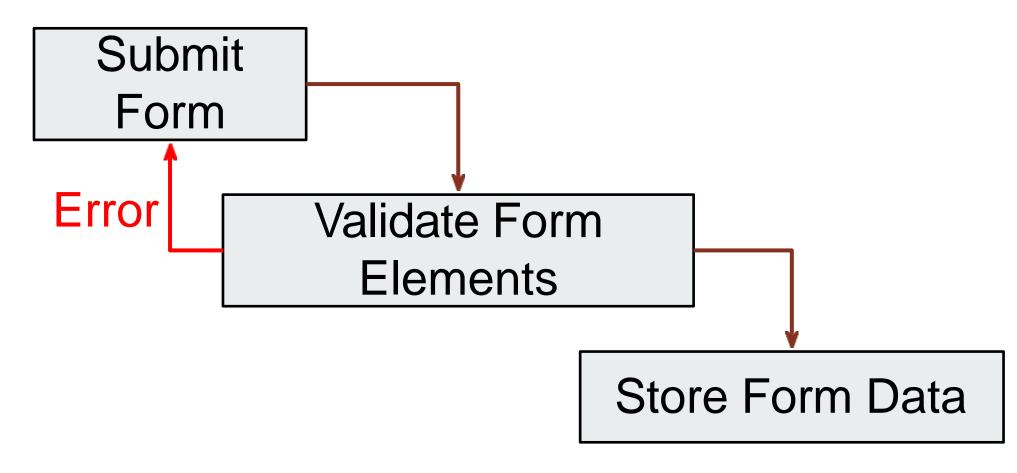
In general, this is how a Form is loaded.





Submitting a Form

• In general, this is how a Form is handled when submitted.





Good To Know

• It is not possible to run/view a Form without having RADS running as the server.



Chapter Review

 General understanding on how Form and Form Builder works.



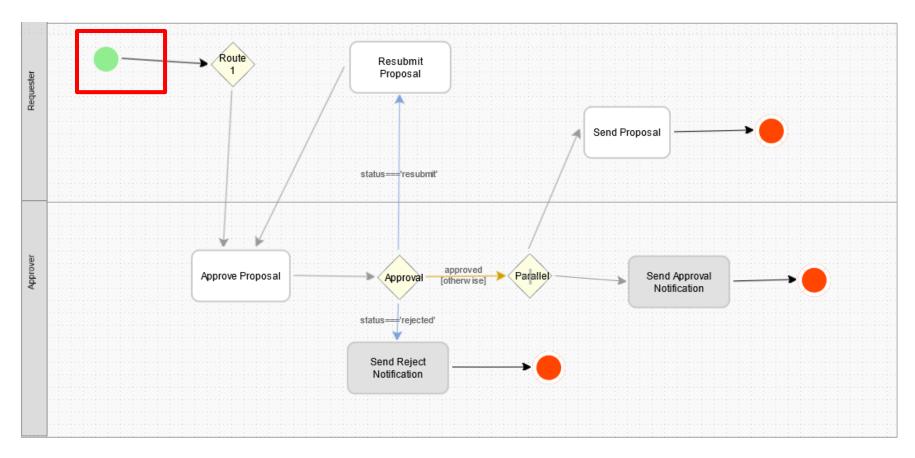
Chapter 2

Designing Your First Form



Association With the Process Flow

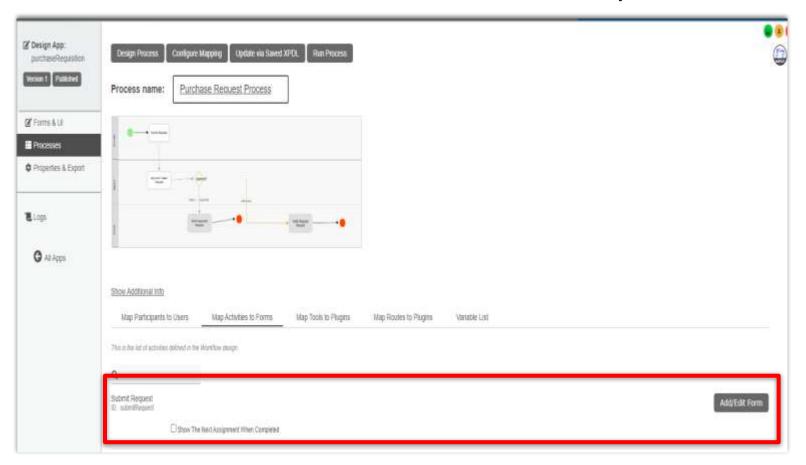
Designing the first form for the first activity in the flow.





Map Activities to Form

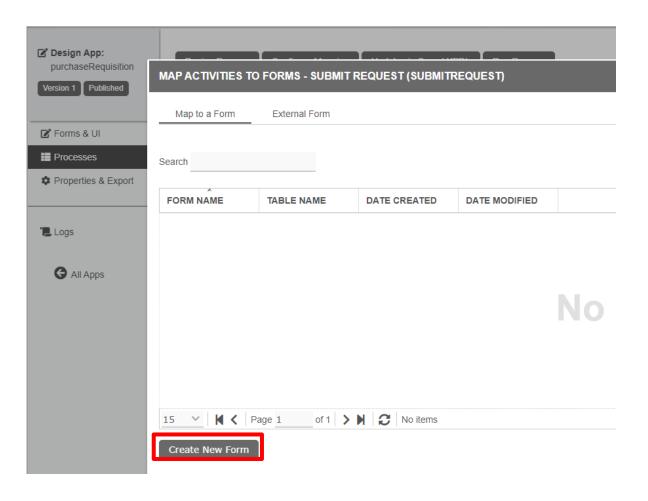
- Go to App's Processes -> Map Activities to Forms.
- Click on "Add/Edit Form" on "Submit Request" activity.





Add/Edit Form

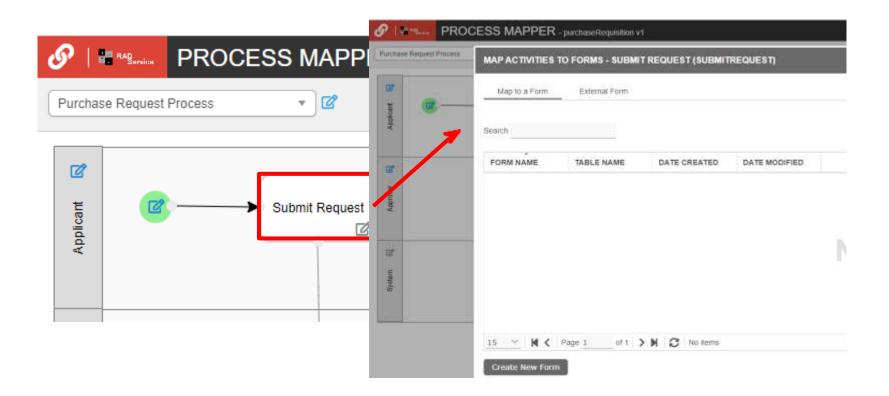
Click on "Create New Form"





Alternative Way of Creating New Form

 One can also go to Configure Mapping button and click on the relevant activity to create a new form to said activity.





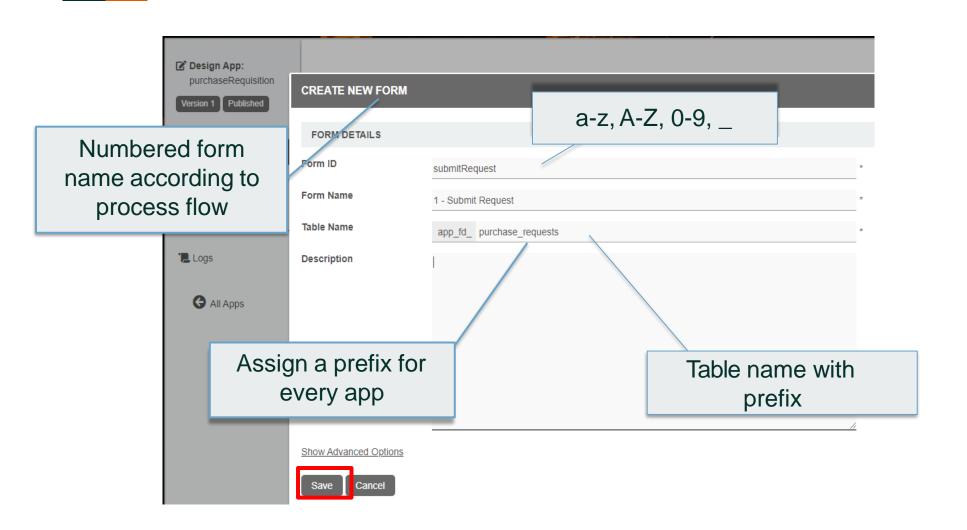
Alternative Way of Creating New Form

 One can also go to the Forms & UI tab to create the new form and add the newly created form to the activity mapping later on.





Create a New Form, for "Submit Request" Activity





App Prefix for Table Name

- By default, ALL form data will be stored into the same database that RADS is using.
- All Apps are storing into the same database as well.
- Therefore, it is very important to segregate the form data by App by declaring its own prefix before defining its designated table name.

(e.g. purchase_requests)



Naming Convention

- Use camel case for App ID, Process ID, Activity ID. For example:-
 - -purchaseRequisition
 - -purchaseRequestProcess
 - -submitRequest
- Do not use snake case as it conflicts with process instance
 ID naming convention:-
 - 1_purchaseRequisition_purchaseRequestProcess_submitRequest
- Maintain consistent naming convention that you have decided across the board.



Naming Convention

- Use snake case for anything related to form data storage.
- For example:-
 - -purchase_requests
- Just search for "database naming convention" for more information.

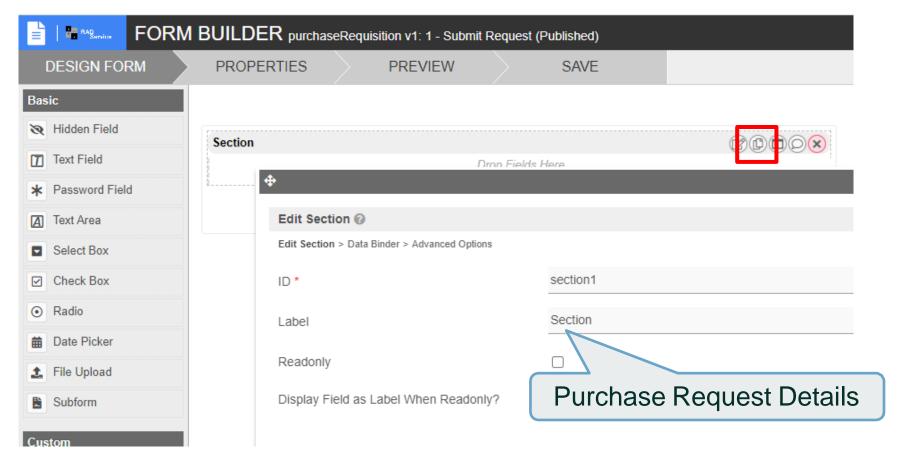
E.g:

http://stackoverflow.com/questions/7662/database-table-and-column-naming-conventions



Edit Section

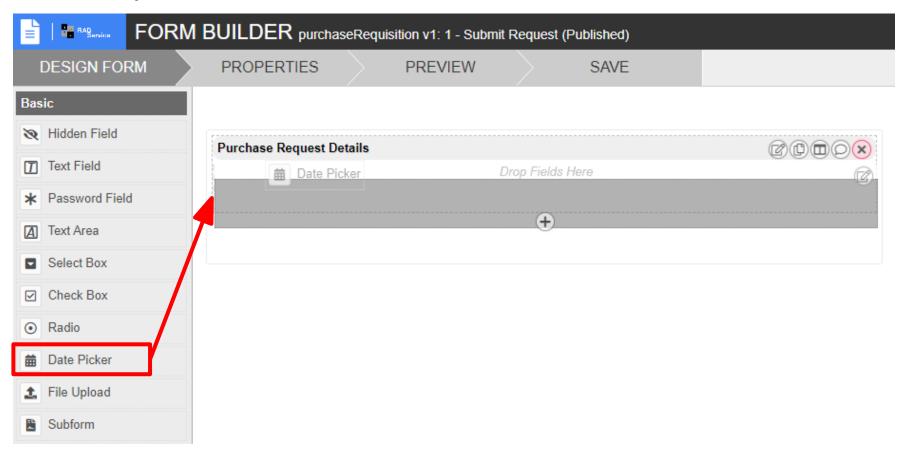
• Form Section serves as a placeholder for form input elements. Rename it to make it meaningful.





Insert Date Picker

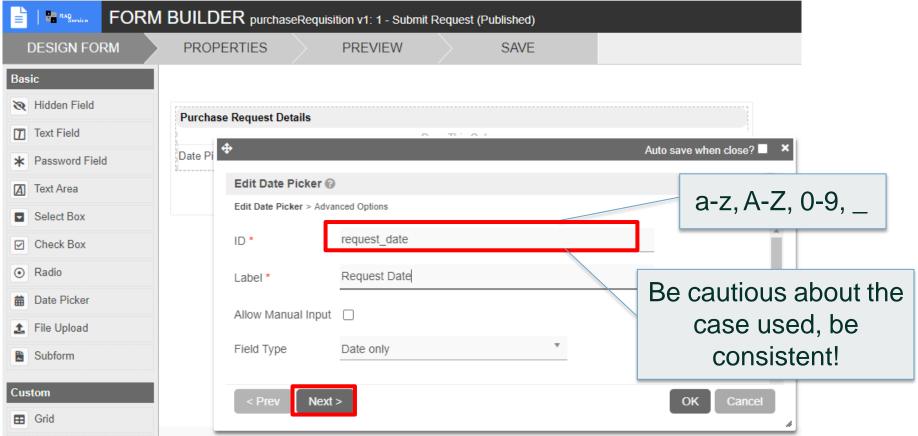
• Insert a **Date Picker** form element by dragging it into the section placeholder.





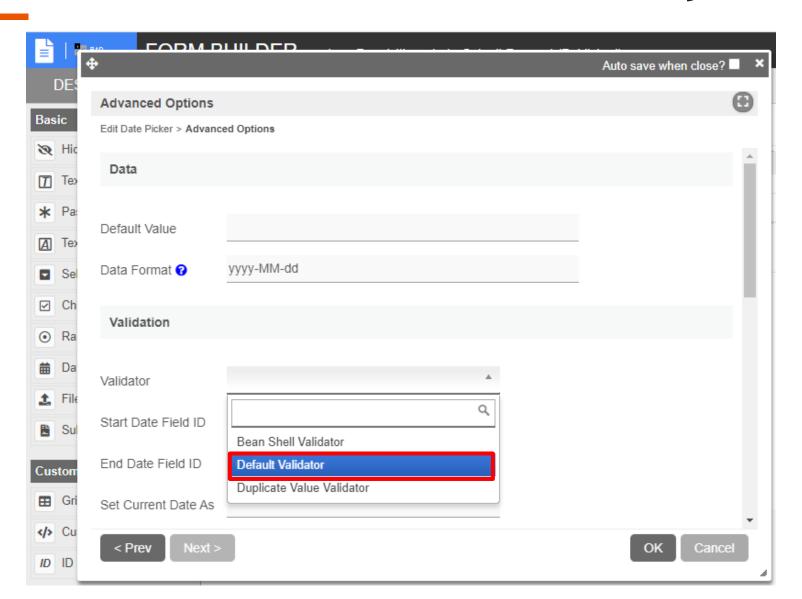
Edit The First Date Picker

 Set the ID according to database naming convention – use underscore instead of camel case to separate words.



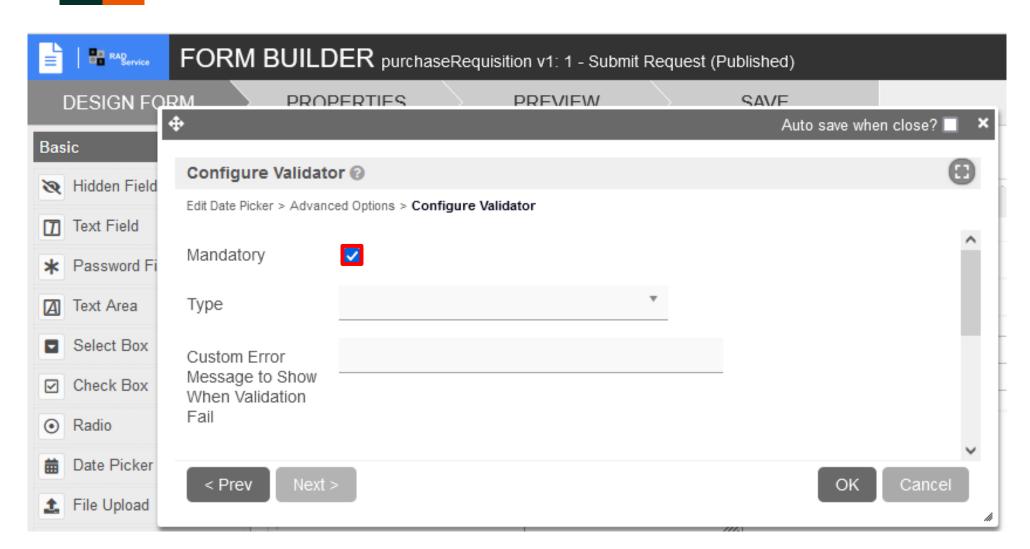


Set The Date Picker as Mandatory Field





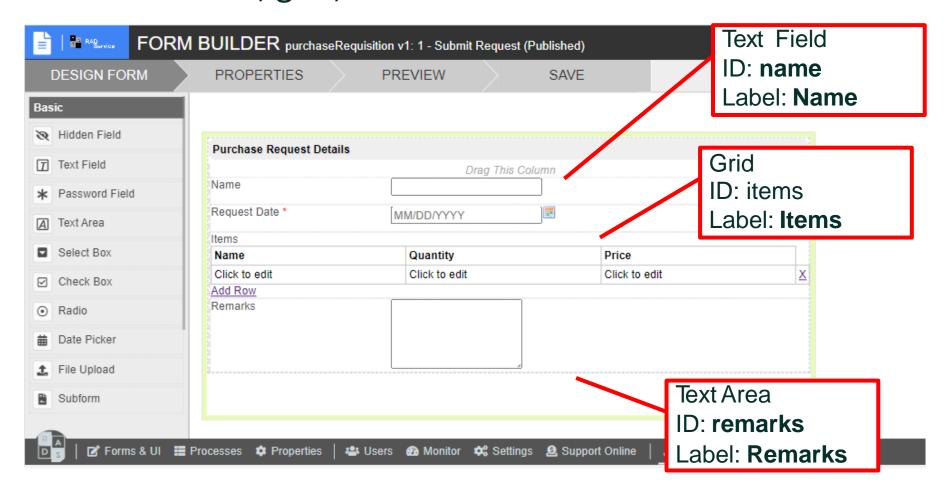
Set The Date Picker as Mandatory Field





Complete the Design of "Submit Request" Form

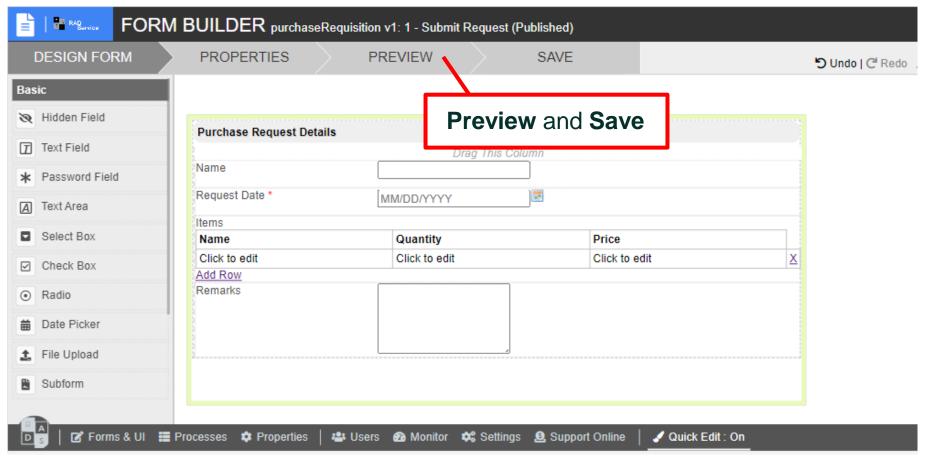
Add text field, grid, and text area.





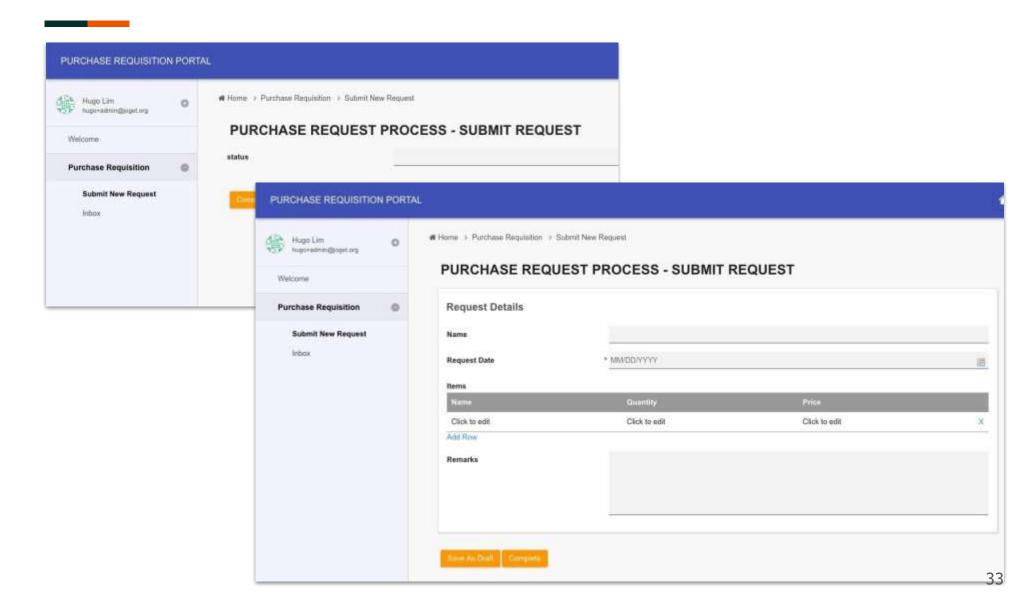
Complete the Design of "Submit Request" Form

Preview and save.





How the Form Looks Like When You Launch "Run Process" Now?





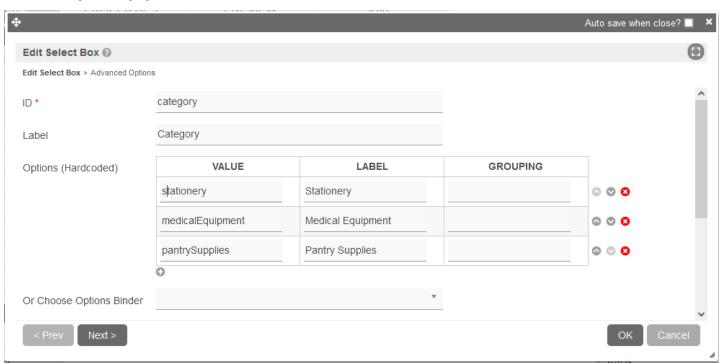
Exercise 1

- Fill in the form, leave "Request Date" empty to test out form validation.
- Try to submit the form.
- Now fill up all the fields and complete the assignment.



Exercise 2

- Add a new Select Box called "Category" with the following options:-
 - Stationery
 - Medical Equipment
 - Pantry Supplies





Exercise 3 - Optional

- Customize the look and feel of how the form is rendered by modifying its CSS.
 - Add a Custom HTML form element into the bottom of the form.
 - Edit it, add the following code into Custom HTML property.

<pre><style type="text/css"></pre></th></tr><tr><td>.form-cell .label,</td></tr><tr><td>.subform-cell .label{</td></tr><tr><td>width: 100%;</td></tr><tr><td>}</td></tr><tr><td></td></tr><tr><td></style></pre>
--

		Drag Th	is Column		
Name					
Request Date *	MM/E	DAYYYY			
Category	Statio	onery •			
Items					
Name	Q	Quantity		Price	
Click to edit	CI	Click to edit		Click to edit	X
Add Row				The same and the s	
Remarks					
Custom HTML			7	CL	JSTOM HTML



Discussion

- Do you know that you can still modify forms even after (your app has been published) and users started using them?
- What will happen to the submitted data if you delete form elements that is previously added in the form?



Chapter Review

- Associating activity with form
- Creating Form and understanding the basic elements and validations.
- Accessing assignment with a Form associated.



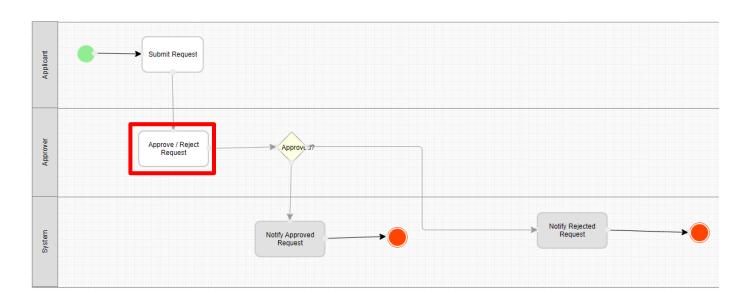
Chapter 3

Controlling Process by Using Form



Association With the Process

- Designing the second form for the second activity in the flow.
- Form controls the next course of action in the process flow.





Create a New Form for "Approve / Reject Request" Activity

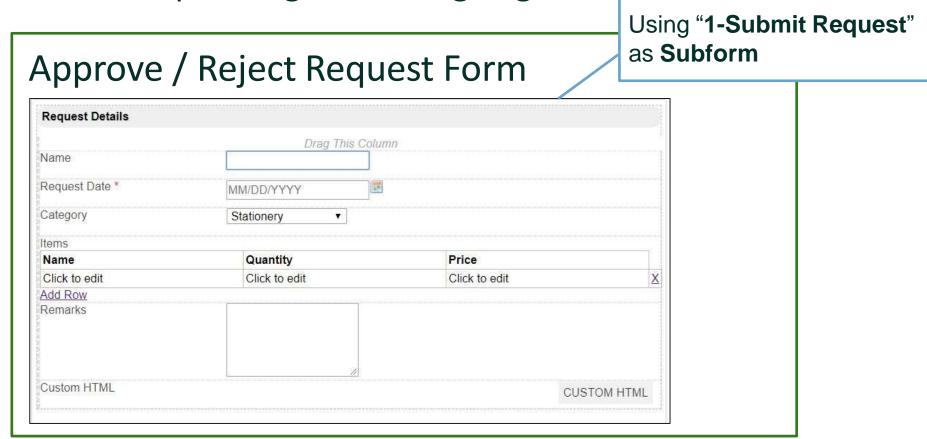
- Click on "Add/Edit Form" on "Approve / Reject Request" activity.
 - Fill in the following details.

CREATE NEW FORM		
FORM DETAILS		
Form ID	approvalRequest	2
Form Name	2 - Approve / Reject Request	
Table Name	app_fd_ purchase_requests	
Description		
Show Advanced Options		A
Paramonda and Indian (Maria Indian)		
Save Cancel		



Using Subform

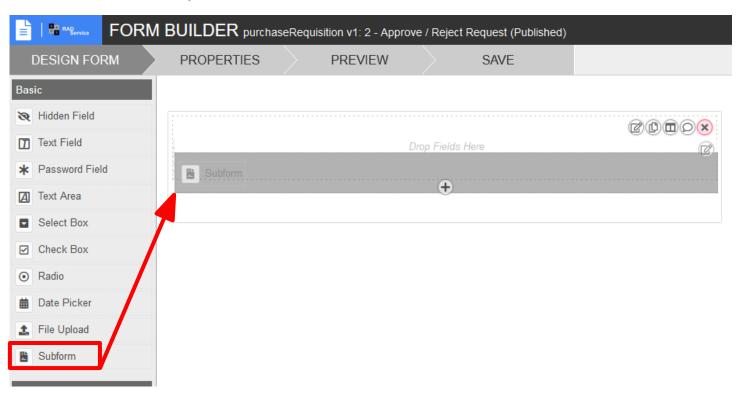
 Subform allows one to make reference to existing form without duplicating form design again.





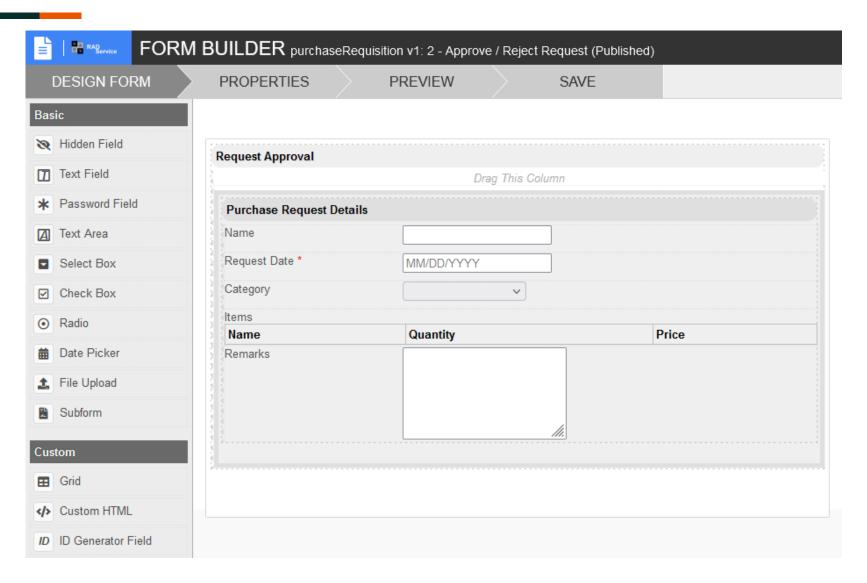
Using Subform

- Rename the section and add in Subform.
- Edit the Subform to point to the first form.
- Set it to read only.



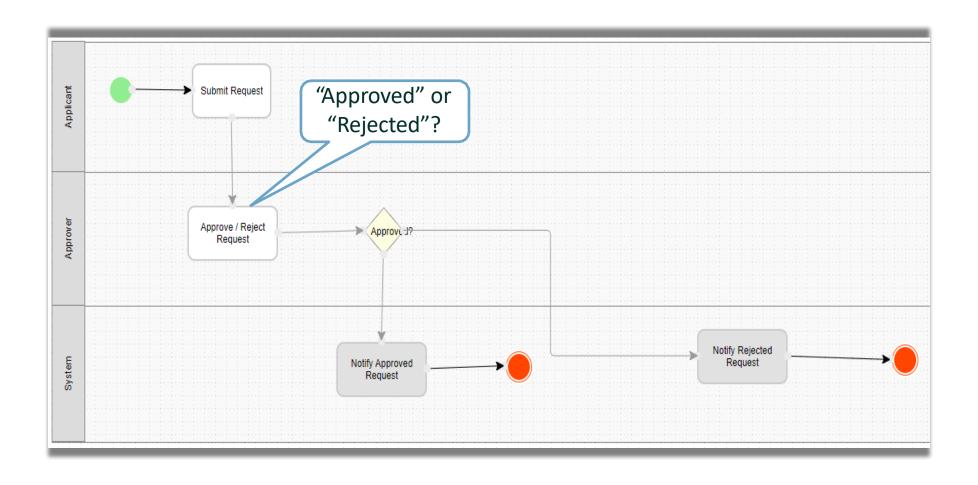


Using "1-Submit Request" As Subform





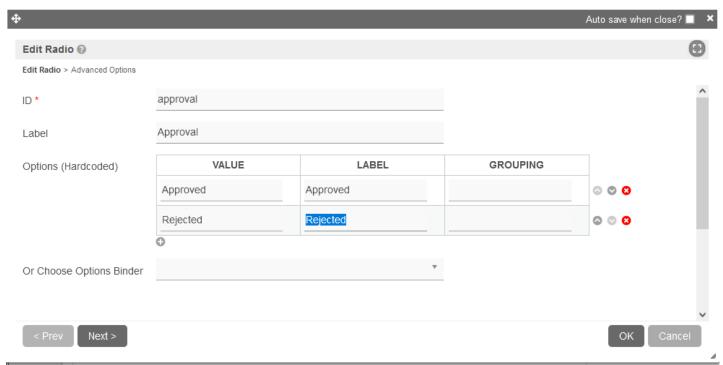
What About the Approval Status?





Insert Radio Button

- Insert a Radio into the bottom of the form.
- Configure accordingly.



Note: Value is **CASE-SENSITIVE**. **Check** your process design **transition conditions** to confirm.



Radio Button Options

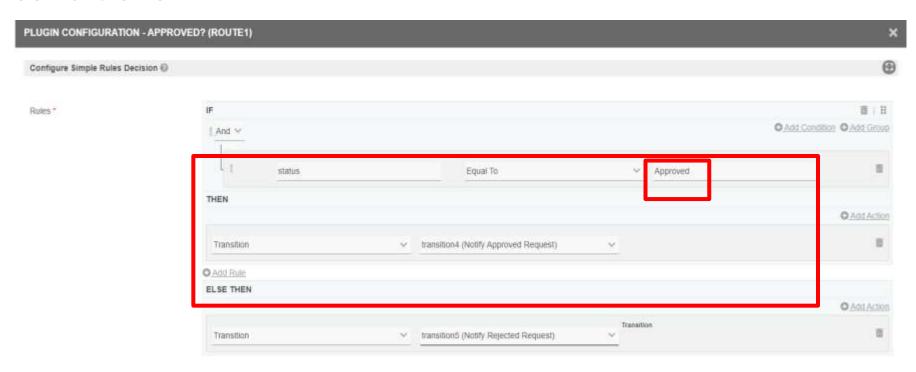
- Go to the next tab and set the Workflow Variable to "status".
- Upon submission of this form, value defined here will also set the respective workflow variable.

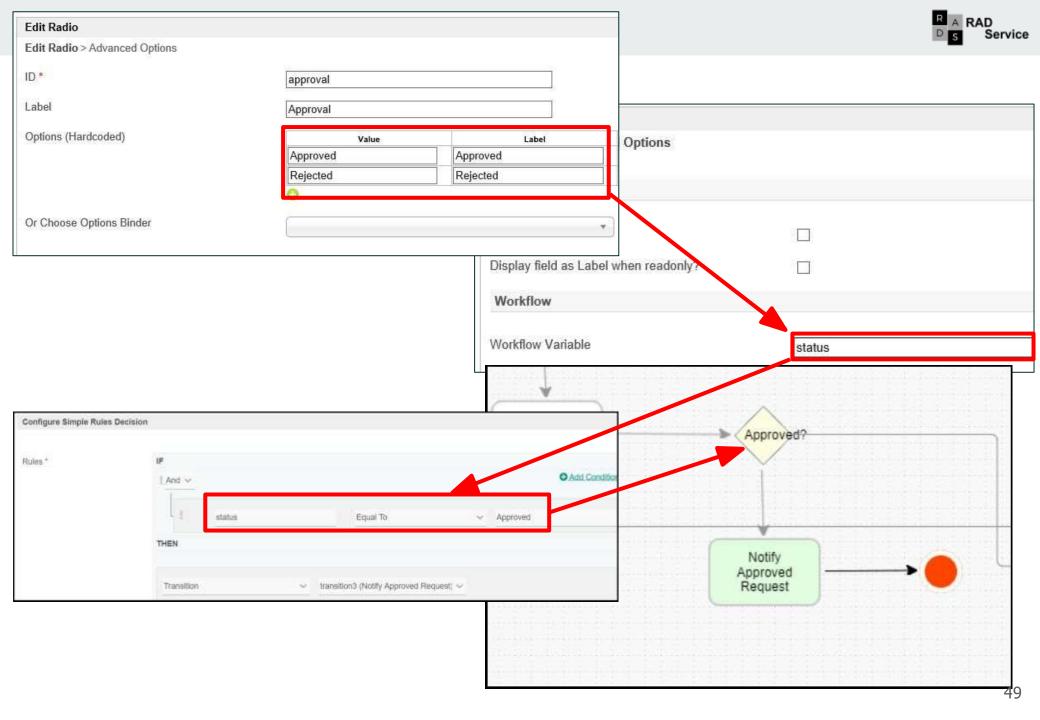
Advanced Options		Œ)
Edit Radio > Advanced Options			
UI			^
Readonly			
Display Field as Label When Readonly?			
Workflow			
Workflow Variable	status		
		,	~
< Prev Next >		OK Cancel	



Process Review

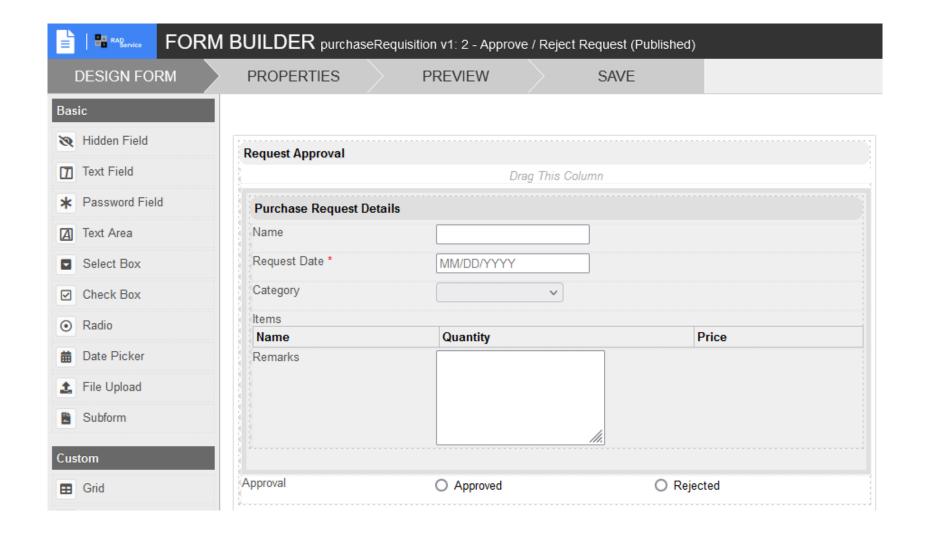
 Recall what we have declared and set in the route's conditions.





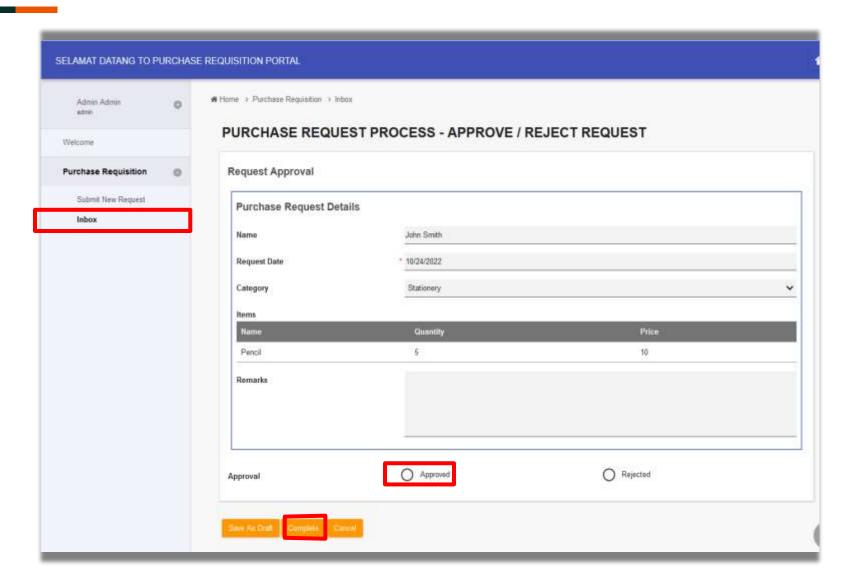


Request Approval Form





Continue With the Assignment





Exercise

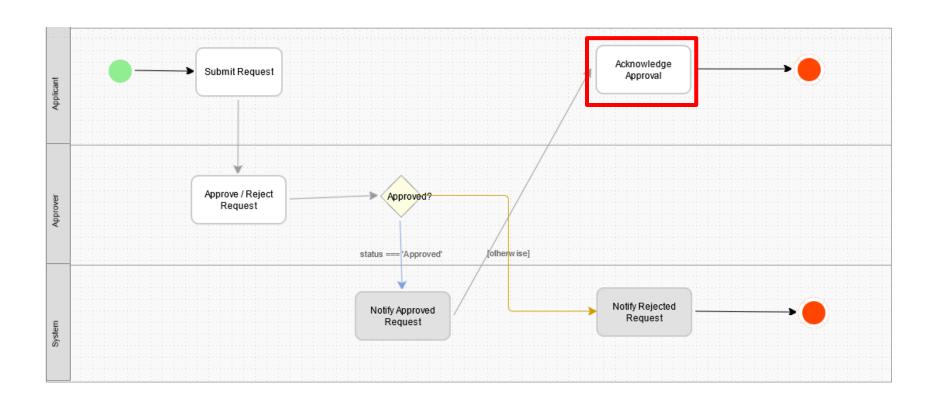
Refresh your memory on module 3 - designing process!

Design Form for "Acknowledge Approved" activity

- Add an activity to your purchase request process, after the email tool in the "approved" lane.
- Create a new Form named "3-Acknowledge Approved" form
- Map the form to "Acknowledge Approved" activity.
- Point it back to the same table used before.
- In the form design, add a "Subform" and refer it to the
 "2-Approve / Reject Request" form.



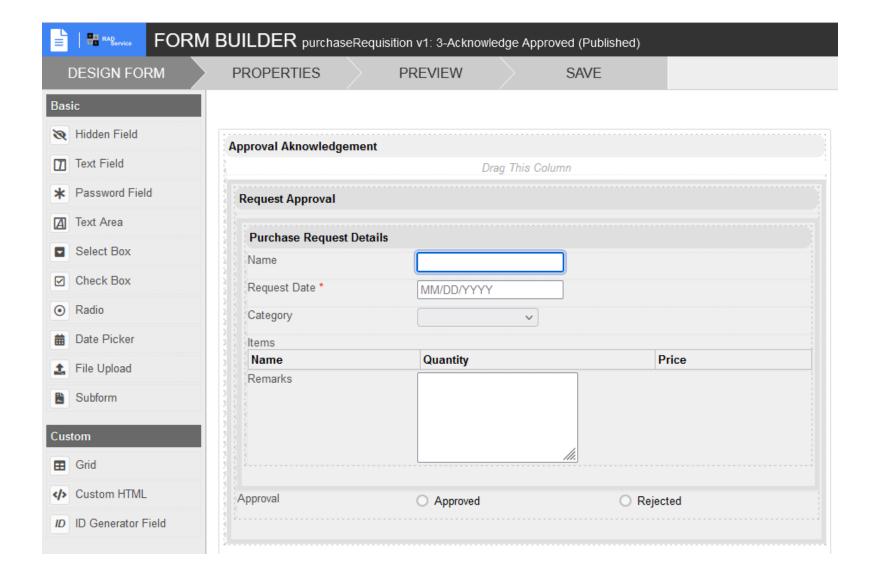
"Acknowledge Approved" Activity Added in Process



Note: Pay <u>attention</u> to **WHERE** you are placing the "Acknowledge Approved" activity.



Acknowledge Approved Form



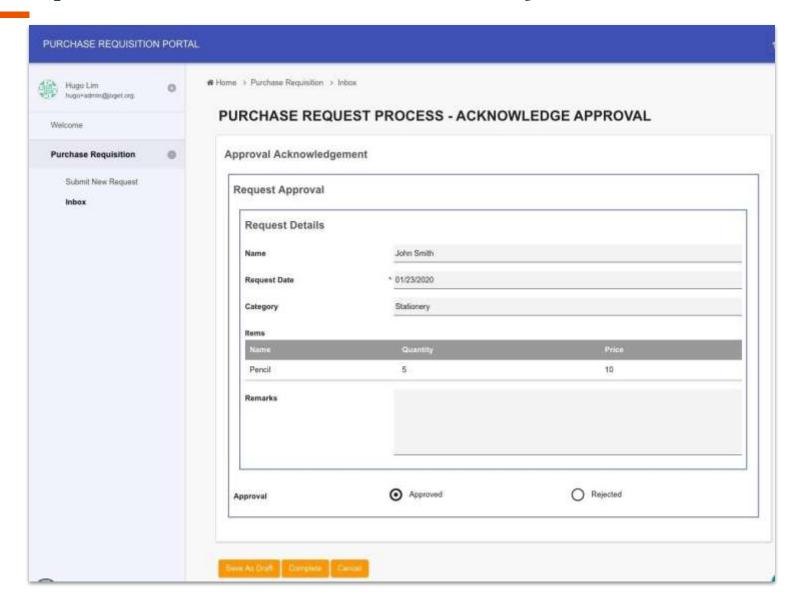


Complete the Process Cycle

- Go back to your Inbox.
- Open "Acknowledge Approved" assignment.
 Verify the form created and complete the process.



Complete the Process Cycle





Discussion

Curious on where the form data is actually stored?
 Use your preferred SQL Client and try to look for the form data submitted earlier.



Chapter Review

- Learn about Subform.
- Control flow of process using Workflow Variable mapping via the Form Field.



Module Review

We have learnt to:

- Create Form and assign it to Process Activity with basic Form Elements.
- Understand the Subform concept.
- 3. Map Form Field to Workflow Variable for routing purpose.
- 4. Verify Process with the Form attached.



Recommended Further Learning

- Improving your Form design and Presentation.
- Creating a Datalist based on the Forms designed.



Stay Connected With RADS

- rads.purwana.net
- https://github.com/radservice/rad-community