MANAGE VARIABLES

INTRODUCTION

Form is a window or screen that contains numerous fields to enter data. Forms are created to deliver the application in a structured manner and also it is a particular way in which application exists or appears.

FORMS CREATION

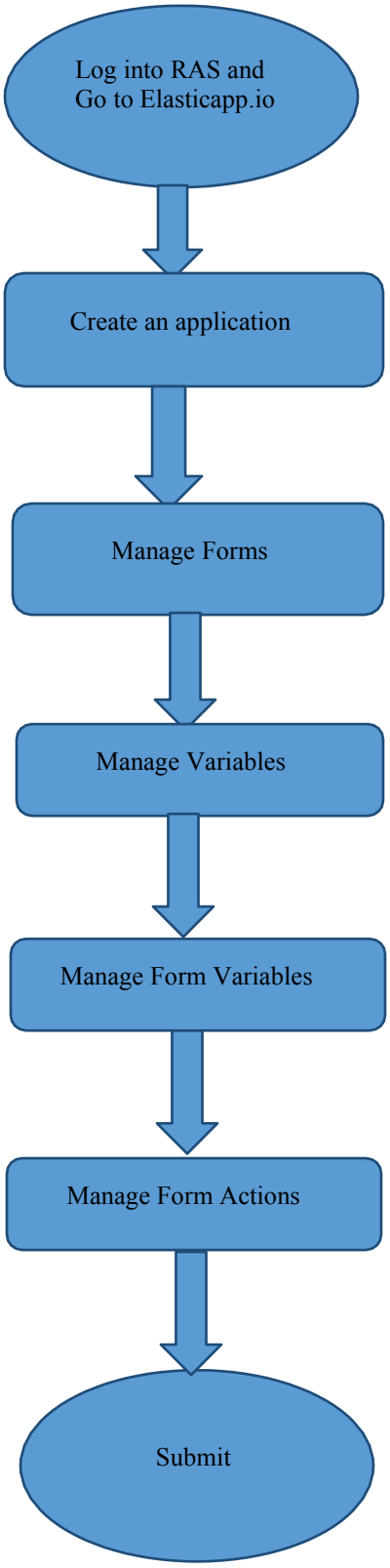
We have five steps to create a form. They are:

1. Manage Forms.
2. Mange Variables.
3. Manage Form Variables.
4. Manage Form Actions.
5. Manage UX Layout.

PREREQUISITIES

- Create account in RNC (http://www.relgo.com)
- Verify and create identity cast.
- Subscribe in RAS (http://www.relgo.com/ras) with generated identity cast.
- Complete Bootstrap installations.

RELGO APPS FORM CREATION FLOW



MANAGE FORMS

Manage Forms are used to create forms in a specific application, Here we can create any number of forms in an application
Manage form is a way to get into the functionality and succeed in handling the application

MANAGE VARIABLES

These manage variables are used for variable creation and there is no possibility to exist a form without variables. By using some set of predefined relations, we can create variables.

MANAGE FORM VARIABLES

Mandatory to select form in manage form.
These manage form variables are used to bind the variables to the form

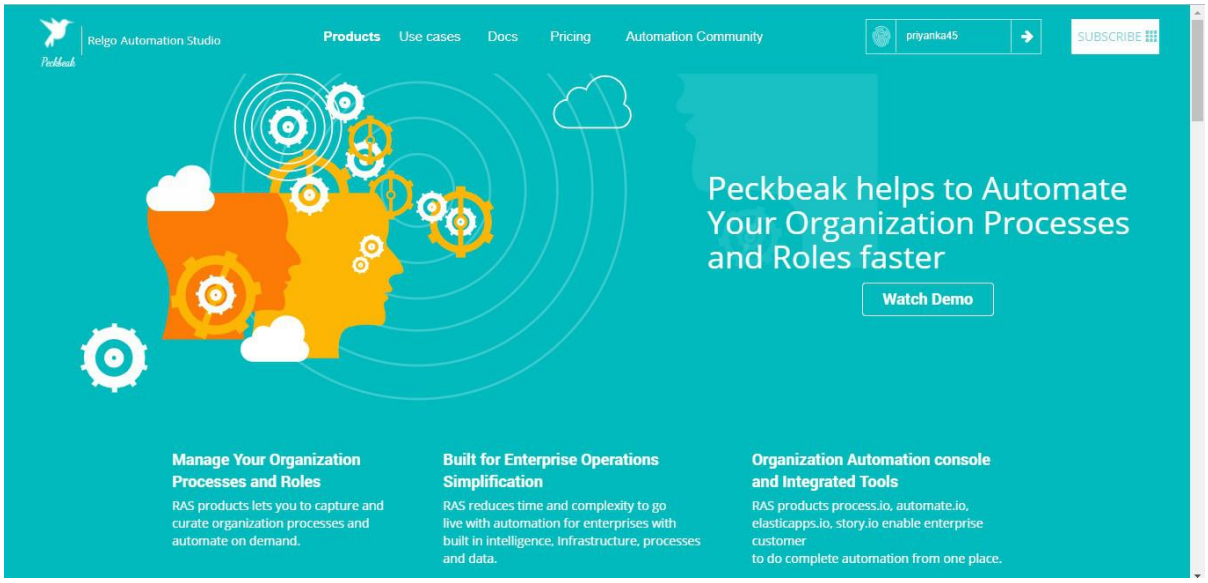
MANAGE FORM ACTIONS

This section is used to create actions to a form
A form without actions is useless and to make that form useful, we use this manage form actions.

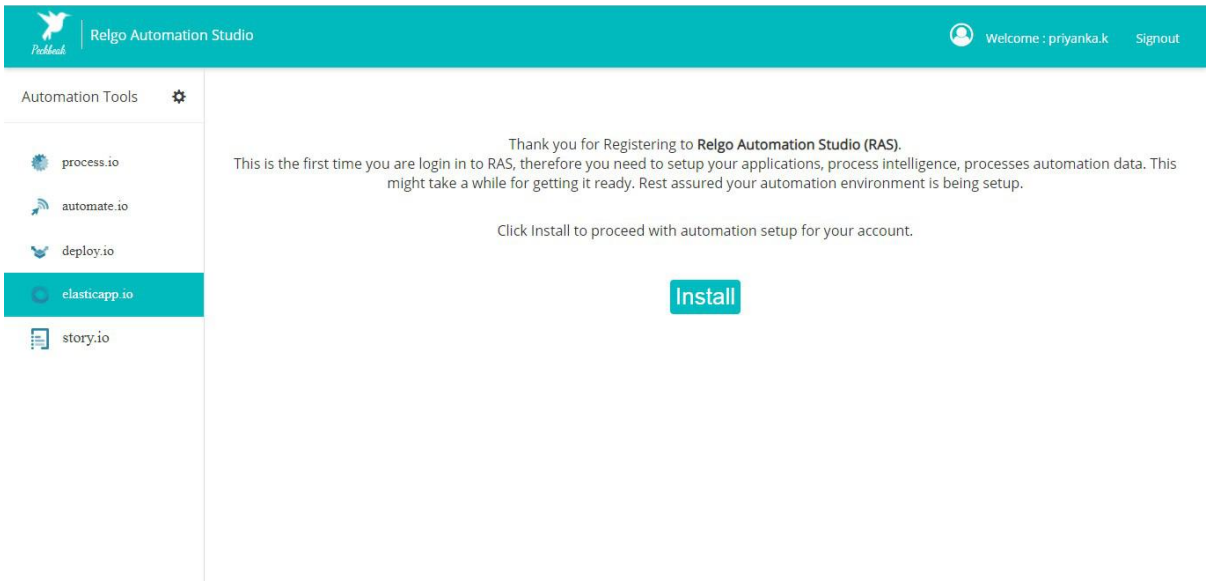
MANAGE UX LAYOUT

This session is used to give richness to the form
Layout is an empty template, based on requirement you can add variables to the layout.

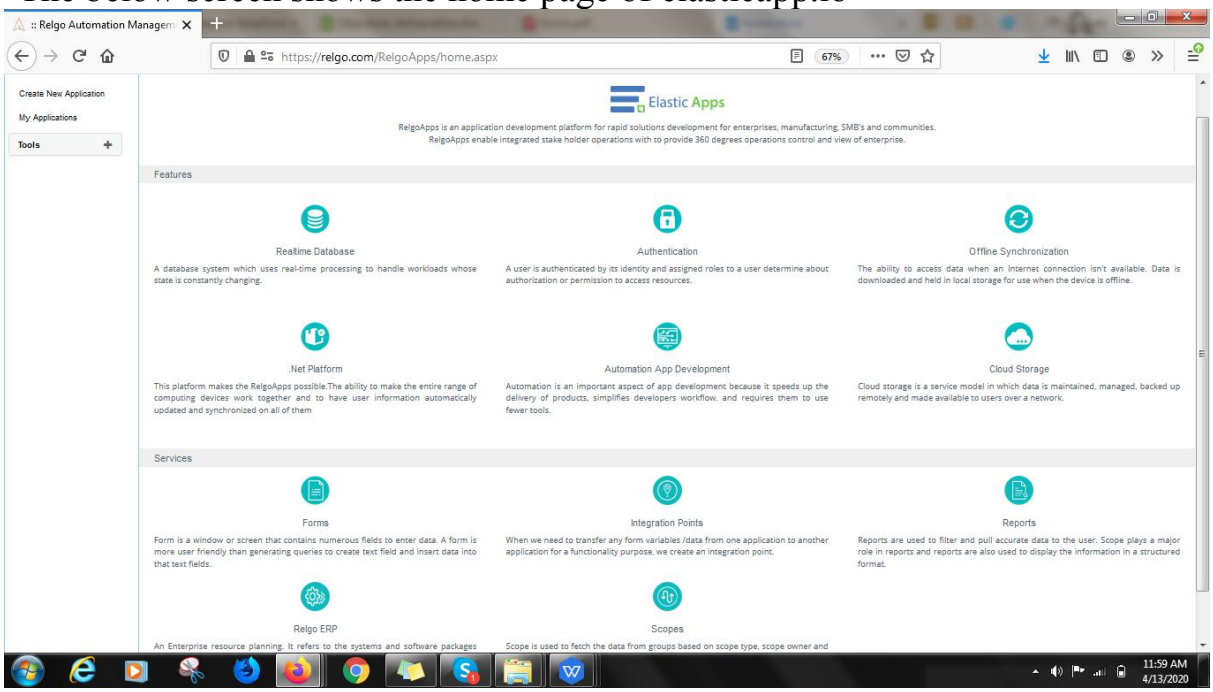
Login to the account with your particular credentials



After logging in to the app with your credentials, you can see the below screen.Here you can see many tools, based on the user requirements they use their tools. To develop your own application, go to RAS Account Elasticapp.io



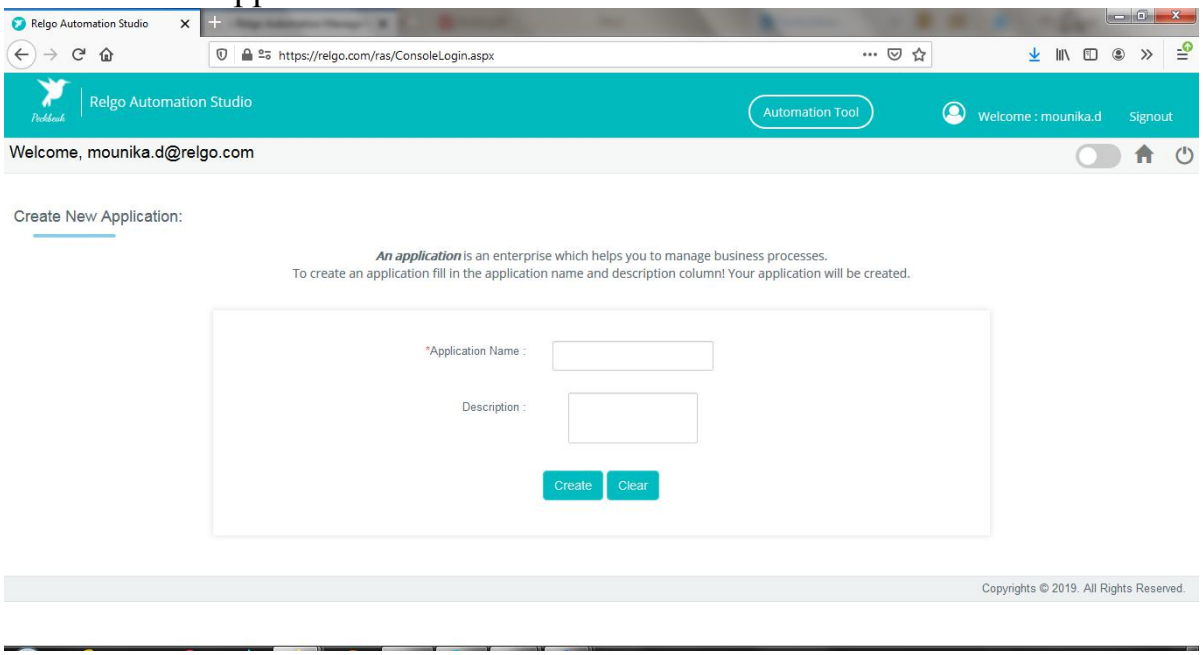
The below screen shows the home page of elasticapp.io



Application Creation

To create your own application, click on “Create New Application” which is shown below

In one application we can create number of related forms



- **Application Name:** Provide a Unique & desired application name.
- **Description:** Add description related to the application.

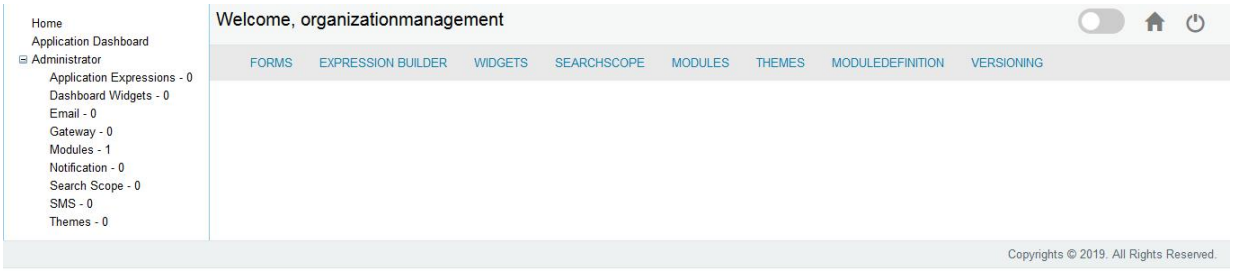
After entering the details click on “create” option then application will be created.

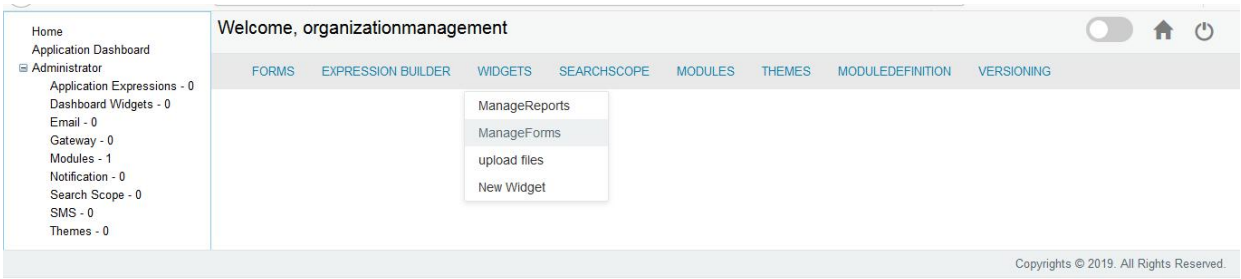
To find the created application, click on “My Applications”.

To create your own form, select the created application which is shown in above screen.

To design the application, click on “Designer” which is shown in below screen.

By Clicking on Designer the below screen appears.





Select widgets ---> Manage Forms

In manage forms we have four steps to create a form. They are:

1. Manage Forms.
2. Manage variables.
3. Manage Form Variable.
4. Mange Form Action.

The flow to create forms, variables and buttons in an application.

Manage Variables:

These manage variables are used for variable creation

Here we have two sections:

1. Manage Variables.
2. Manage Validators.

1. Manage Variables

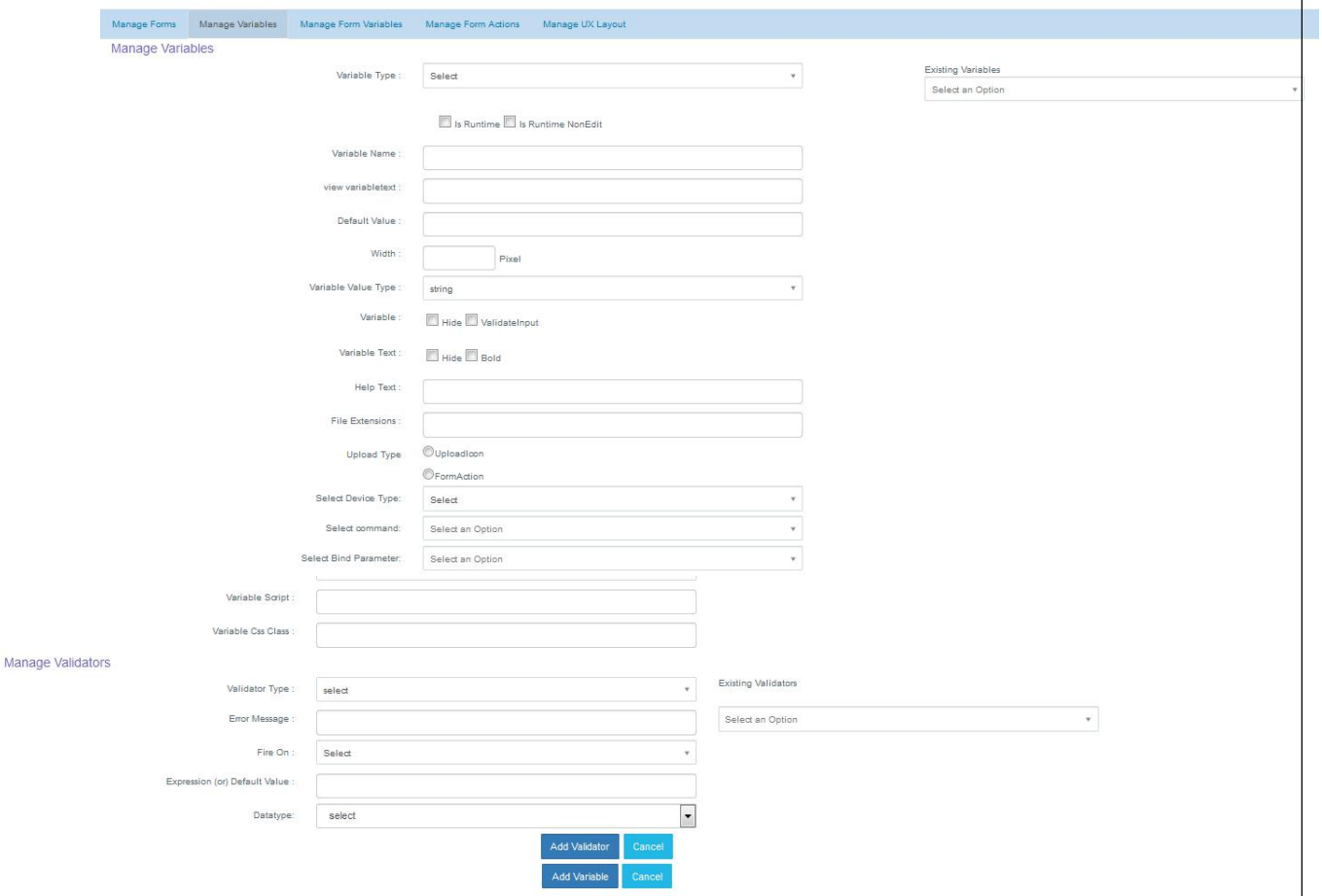
In this some additional fields will be displayed based on selecting variable type. Variable name must be given and the remaining part of manage variables can be entered based on the requirement.

2. Manage Validators

For one variable, you can create number of validators.
If we require Validators to the current variable select the Validator type and enter the Error message.

Variable Creation

This is used to create variables for the created form



Manage Variables

Variable Type: This Variable Type has some predefined variables like Select line text box, single select, Multi line text box, Multi select, Multiple Text Box, Sequence number and so on…
These are the different types for binding the data to your variable.

When you select single line text box there you will get one parameter and in that there are some fields like…

1. **Result from a method:** If you don't know the exact data for the field.
2. **Custom Item:** If you know the values like male, female, others.
3. If you want to give provision to user to enter the data then don't select anything.

In Manage method bindings, there are two fields like select bind name and select binding value. For every method there is a return type, from that return type you can bind the values to variables.

Variable Name: Enter Desired "Variable name" (Name).
Default value: If you want to show default value to user then give the field of default value.
Variable Value Type: This Variable value type has some predefined data types like int, string, double.

If you want to hide that variable to user then select as “Hide” otherwise select as “Bold”.

Help Text: If you want to give any instructions to the user to enter the data.

Manage Validator

Validator type: This validator has some predefined validators like required field validator, regular express validator, range validator, custom validator, compare validator.

a. **Required field validator:**If you want to select this validator then you must enter the data in that field.
b. **Regular Express Validator:** If you want to validate data like email, phone number… for that purpose use this field.
c. **Range Validator:** This validator is applicable for range
   E.g. Age cannot exceed 100
d. **Custom Validator:** If you want any requirement (like only upper case letters, lower case letters and no numbers)other than the above options then use this validator.
e. **Compare Validator:** It is used to **compare** the value of an input control against a value of another input control. RangeValidator. It evaluates the value of an input control to check the specified range.

Error message: If you want to show any message then fill this field.

Fire on: If you want to show error message at the time of actions (submit) then select button submit which is shown in drop down.

For better understanding, there are some examples which are shown below.

Example-1: If we want to create a variable input text

- **Variable Type:** Select “Single Line Text Box”.
- **Variable Name:** Enter Desired “Variable name” (Name).
- **Variable Value type:** select “String”.
- **Variable:** select the “valid input” checkbox.

Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will display in existing variables.

Example-2: If we want to create a variable type date

- **Variable Type:** Select AnsDateTime
- **Variable Name:** Enter Desired Variable name.
- **Variable Value type:** select Date.
- **Variable:** select the valid input checkbox.

Provide Help Text and Select "Date Format" mm/dd/yy, dd/mm/yy.

Condition: Specifies whether calendar date should be greater (or) lesser than the current date.

Finally click on "add variable" button, a pop-up will be displayed as 'Variable added successfully'. After adding the variable it will be displayed in existing variables.

Example-3: If we want to create a variable type number

- **Variable Type:** Select "phone number".
- **Variable Name:** Enter Desired "Variable name" (phone no).
- **Variable Value type:** select "int".
- **Variable:** select the "valid input" checkbox.

Provide "Help Text".

Finally click on add variable button, a pop-up will be displayed as "Variable added successfully". After adding the variable it will be displayed in existing variables.

Example 4-: If we want to create a variable type Analytics

- **Variable Type:** Select "Analytics".
- **Variable Name:** Enter Desired "Variable name" .
- **Variable Value type:** select "string".
- **Variable:** select the "valid input" checkbox.

Provide "Help Text".

Finally click on add variable button, a pop-up will be displayed as "Variable added successfully". After adding the variable it will be displayed in existing variables.

Example 5-: If we want to create a variable type Label

- **Variable Type:** Select “Label”.
- **Variable Name:** Enter Desired “Variable name” .
- **Variable:** select the “valid input” checkbox.

Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 6-: If we want to create a variable type TrueFalse

- **Variable Type:** Select “TrueFalse”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 7-: If we want to create a variable type MultiLineTextBox

- **Variable Type:** Select “MultiLineTextBox”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 8-: If we want to create a variable type SingleSelect

- **Variable Type:** Select “SingleSelect”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 9-: If we want to create a variable type MultiSelect

- **Variable Type:** Select “MultiSelect”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 10-: If we want to create a variable type Password
Password: PasswordField

- **Variable Type:** Select “Password”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 11-: If we want to create a variable type PreDefinedTemplate
PreDefinedTemplate:To hold the collection of RelgoVariables and populate where ever Required

- **Variable Type:** Select “PreDefinedTemplate”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 12-: If we want to create a variable type HiddenField
HiddenField:To hold form custom data like RelationId.

- **Variable Type:** Select “HiddenField ”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 13-: If we want to create a variable type ListView
ListView:To Display Data List

- **Variable Type:** Select “ListView”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 14-: If we want to create a variable type ListView
HTMLEditor:To add HTML content

- **Variable Type:** Select “HTMLEditor”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 15-: If we want to create a variable type MultiSelectListBox
MultiSelectListBox:To support multiple select with the listbox

- **Variable Type:** Select “MultiSelectListBox”.
- **Variable Name:** Enter Desired “Variable name” .

Variable: select the “valid input” checkbox.

- Provide “Help Text”.

Finally click on add variable button, a pop-up will be displayed as “Variable added successfully”. After adding the variable it will be displayed in existing variables.

Example 16-: If we want to create a variable type SingleSelectListBox
SingleSelectListBox:To support multiple select with the listbox

- **Variable Type:** Select "SingleSelectListBox".
- **Variable Name:** Enter Desired "Variable name" .

Variable: select the "valid input" checkbox.

- Provide "Help Text".

Finally click on add variable button, a pop-up will be displayed as "Variable added successfully". After adding the variable it will be displayed in existing variables.

Example 17-: If we want to create a variable type ListViewAsTemplate
ListViewAsTemplate:Used to render listview as template from the fields selected and to perform actions

- **Variable Type:** Select "ListViewAsTemplate".
- **Variable Name:** Enter Desired "Variable name" .

Variable: select the "valid input" checkbox.

- Provide "Help Text".

Finally click on add variable button, a pop-up will be displayed as "Variable added successfully". After adding the variable it will be displayed in existing variables.

Example 18-: If we want to create a variable type ImageControl
ImageControl:Used For Image Upload.

- **Variable Type:** Select "ImageControl".
- **Variable Name:** Enter Desired "Variable name" .

Variable: select the "valid input" checkbox.

- Provide "Help Text".

Finally click on add variable button, a pop-up will be displayed as "Variable added successfully". After adding the variable it will be displayed in existing variables.

Example 19-: If we want to create a variable type UploadFile
UploadFile: Used For Uploading the Data.

- **Variable Type:** Select " UploadFile".
- **Variable Name:** Enter Desired "Variable name" .

Variable: select the "valid input" checkbox.

- Provide "Help Text".

Finally click on add variable button, a pop-up will be displayed as "Variable added successfully". After adding the variable it will be displayed in existing variables.

Example 20-: If we want to create a variable type Hyperlink

Hyperlink: Hyperlink Refers to a "link". Hyperlink is used to redirect from one location to another location in the current document or outside the document.

- **Variable Type:** Select " Hyperlink".
- **Variable Name:** Enter Desired "Variable name" .

Variable: select the "valid input" checkbox.

- Provide "Help Text".

Finally click on add variable button, a pop-up will be displayed as "Variable added successfully". After adding the variable it will be displayed in existing variables.

Example-21: If we want to create a variable type as sequence number, there is a procedure which is shown below.

Sequence number

Sequence number is a special case where it should be automatically generated and assigned to any item in the application. Sequence Number has some unique properties to generate.

PROCEDURE

For this we need to go for following procedure:

- Create New Series Format.
- Create New Series.
- Create Scope.
- Create Variable.

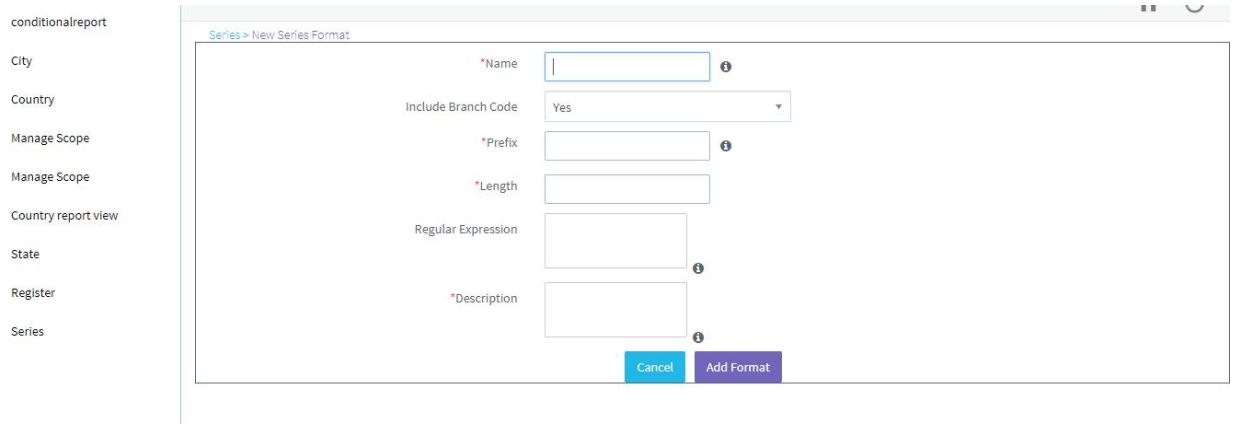
The Following forms which are appearing in the dashboard will be imported to your account by administrator.

NEW SERIES FORMAT

Details of how sequence should appear will be mentioned here.

Fill the fields of that form and click on "Add Format"

Go to dashboard Series New Series Format.

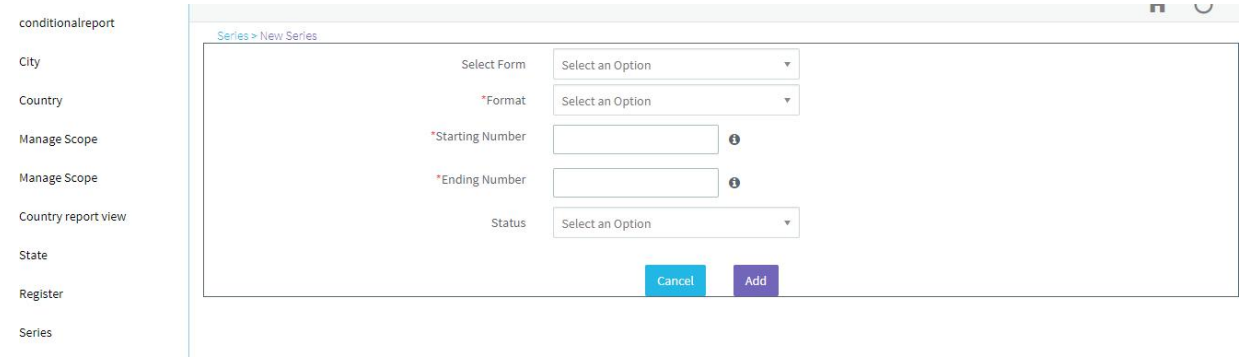


We are trying to generate alphanumeric sequence for "Order No.". If we require branch code select "yes" and the value of branch code will be given in "**prefix**". The length of the Order Number will be declared here.

CREATE NEW SERIES

"**New Series**" form is used to mention the Sequence range.

Go to Dashboard Series New series.

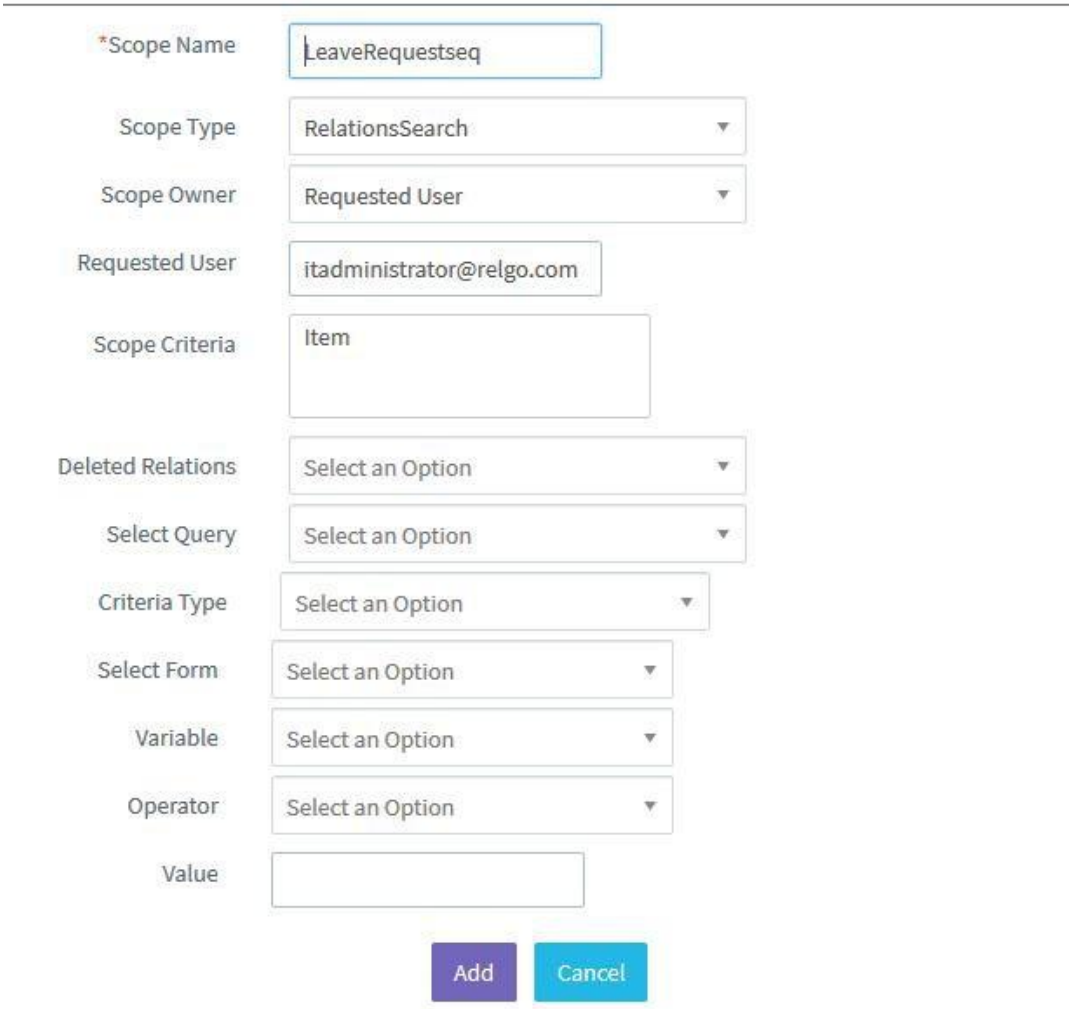


Select the form to which you want to map this "Series Format" and then select previously created "Series Format". Enter the starting and ending number of the series. Finally click on "**Add**" button, a pop-up will be displayed like "**Series added successfully**".

CREATE SCOPE

To get the "Series Format" into "Employee Id." variable we write scope.

To create scope go to Dashboard Manage Scope Scope.



Scope Name:Give a unique scope Name.

Scope Type:Select scope type which decides from where we need to get the data into the variable.

Scope Owner:select the Application owner.

Requested User:Give the user address based on selection type of scope owner.

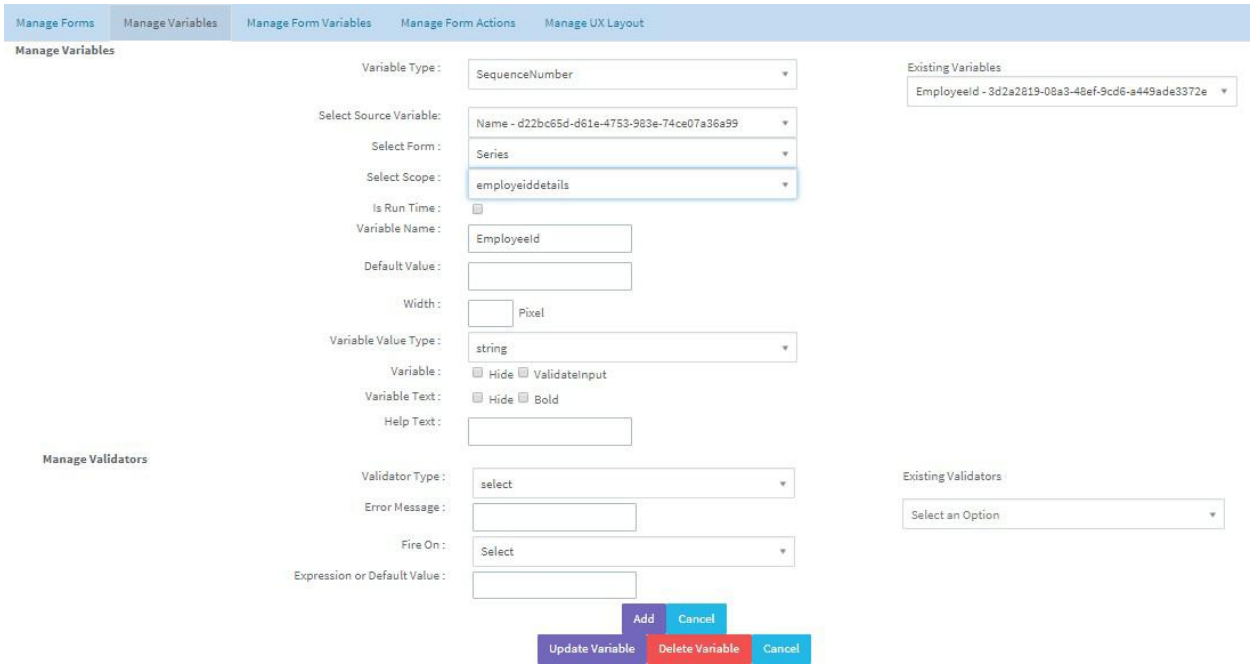
Scope Criteria:If your “Scope Type” is Group, enter the group name in “Scope Criteria”

To fetch the data with some conditions, specify the conditions in scope. After filling the required fields click on “Add” button, a pop-up will be displayed like “**Scope added successfully**”.

VARIABLE CREATION

This is used to create variables for the created form

Go to RAS Account Elastiapp.io My Applications Designer Widgets Manage Variables.



Variable Type:Sequence Number

Select Source:Based on series format name we fetch the series format into current variable.That’s why we select source as “Name”.

Select Form:This “Name” variable is declared in “Series” form, that’s why we select series form.

Select Scope:Select the scope here.

Variable:Enter desired name for variable.

Variable Value Type:Select as String and select “valid input” checkbox.

Finally click on “add variable” button, a pop-up will be displayed as “**Variable added successfully**” After adding the variable, it will displayed in existing forms.

Similarly create the remaining variables.