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 (<u>http://www.relgo.com</u>)
- Verify and create identity cast.
- Subscribe in RAS (<u>http://www.relgo.com/ras</u>) 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



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Create New Application		Elastic Apps	
My Applications	RelgoApps is an applicat	ion development platform for rapid solutions development for enterprises, manufacturing,	SMB's and communities.
Tools +	restlandebe er une		news we need that per famo.
	Features		
	9	(•
	Realtime Database	Authentication	Offline Synchronization
	A database system which uses real-time processing to handle workloads whose state is constantly changing.	A user is authenticated by its identity and assigned roles to a user determine about authorization or permission to access resources.	The ability to access data when an Internet connection isn't available. Data i downloaded and held in local storage for use when the device is offline.
	1		
	.Net Platform	Automation App Development	Cloud Storage
	This platform makes the RelgoApps possible. The ability to make the entire range of computing devices work together and to have user information automatically updated and synchronized on all of them	Automation is an important aspect of app development because it speeds up the delivery of products, simplifies developers workflow, and requires them to use fewer tools.	Cloud storage is a service model in which data is maintained, managed, backed u remotely and made available to users over a network.
	Services		
	Forms	Integration Points	Reports
	Form is a window or screen that contains numerous fields to enter data. A form is more user friendly than generating queries to create text field and insert data into that text fields.	When we need to transfer any form variables /data from one application to another application for a functionality purpose, we create an integration point.	Reports are used to filter and pull accurate data to the user. Scope plays a majo role in reports and reports are also used to display the information in a structure format.
	(¢)	•	
	Relgo ERP	Scopes	
	An Enterprise resource planning. It refers to the systems and software packages	Scope is used to fetch the data from groups based on scope type, scope owner and	11.50 A

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

🕽 Relgo Automation Studio 🛛 🗙	+ Applanete Step: 2 . British	A	
↔ → ♂ ✿	0 🖴 🕾 https://relgo.com/ras/ConsoleLogin.aspx	⊠ ☆	⊻ W\ 🗊 🏽 ≫ 🗄
Peekleed Relgo Automatic	on Studio	Automation Tool	Welcome : mounika.d Signout
Velcome, mounika.d@re	lgo.com		
Create New Application:	An application is an enterprise which helps you to manage busin To create an application fill in the application name and description column! You	ess processes. Ir application will be created.	
	"Application Name : Description :		
	Create Clear		
			Copyrights © 2019. All Rights Reserve

- 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.

Application Name E. Description	II. AppCreatedTime. II.	Editor							
baseapps	12/20/2018 2:51:28 AM	184	=	Ш	ß	0	1	13	1.1
chalsupport	3723/2029 2 #3:54 AM	Jdn.	=	=	8	۲	圈		1,1
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relgobusinesservices	2/20/2019 11:00:18:AM)der.	11		6		6		1.1
testingapp	3/23/2020 3.31.55 AM	in.	12	111	@		-		13

By Clicking on Designer the below screen appears.

Home Application Dashboard	Welcome,	organiza <mark>tionmanage</mark>	ement							t C)
Administrator Application Expressions - 0	FORMS	EXPRESSION BUILDER	WIDGETS	SEARCHSCOPE	MODULES	THEMES	MODULEDEFINITION	VERSIONING			
Dashboard Widgets - 0 Email - 0 Gateway - 0 Modules - 1 Notification - 0											
Search Scope - 0 SMS - 0 Themes - 0											
								Copyrights	© 2019. All Righ	ts Resen	ved.
Home Application Dashboard	Welcome,	organizationmanage	ement							† (Ŀ
Administrator Application Expressions - 0	FORMS	EXPRESSION BUILDER	WIDGETS	SEARCHSCOPE	MODULES	THEMES	MODULEDEFINITION	VERSIONING			
Dashboard Widgets - 0			ManageRep	ports							
Gateway - 0			ManageFor	ms							
Modules - 1 Notification - 0 Search Scope - 0			upload files New Widgel	E I							
SMS - 0											
Themes - 0											

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

Managa Forms Managa Mariahian M	Innana Form Veriation	Managa Form Adires	Managa IIV Lavout				
Manage Variables	anage rom variables	Manage Form Actions	Manage UX Layout				
Manage variables	Mariable Type -	Calent			-	Existing Variables	
	variable type	Select				Select an Option	
		🔲 Is Runtime 🗐 Is	Runtime NonEdit				
	Variable Name :						
	view variabletext :						
	Default Value :						
	Width :	Pixel					
	Variable Value Type :	string			*		
	Variable :	🕅 Hide 🕅 ValidateInp	ut				
	Variable Text :	Hide Bold					
	Help Text :						
	File Extensions :						
	Upload Type	Ouploadloon					
		OFormAction					
	Select Device Type:	Select			Ψ.		
	Select command:	Select an Option			*		
s	elect Bind Parameter:	Select an Option			Ψ.		
Variable Script :							
Variable Css Class :							
alidators							
Validator Type :	select			*	Existing Validators		
Error Message :					Select an Option	Ŧ	
Fire On :	Select						
Expression (or) Default Value							
serve that on (or) bit about value .				_			
Datatype:	select			•			

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.
- 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".

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".

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".

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".

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".

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".

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.

		п О
conditionalreport	Series > New Series Format	
City	*Name	Θ
Country	Include Branch Code	Yes 💌
Manage Scope	*Prefix	0
Manage Scope	*Length	
Country report view	Regular Expression	
State		0
Register	*Description	
Series		0
		Cancel Add 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.

xport Delete Relation					First	Previous	1	Next	Last
Name	Include Branch Code	Prefix	Length	Regular Expression	Description		А	CTION	
Leave Request Format	Yes	LR	6		Sequence of leave request	ß		0	25

CREATE NEW SERIES

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

Go to

Dashboard Series New series.

conditionalroport			п ()
conditionalreport	Series > New Series		
City	Select Form	Select an Option 🔻	
Country	*Format	Select an Option 🔻	
Manage Scope	*Starting Number	0	
Manage Scope	*Ending Number	0	
Country report view	Status	Select an Option	
State			
Register		Cancel Add	
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".

ort Delete	Relation							1. A		
Select Form	Format	Starting Number	Ending Number	Status	Issued Numbers	Hold Numbers		p	CTION	
Leave Request	Leave Request Format	0001	9999	Running			B		0	25

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

To create scope go to Dashboard Manage Scope Scope.

2445 2	Leaverequestseq		
Scope Type	RelationsSearch		•
Scope Owner	Requested User		*
Requested User	itadministrator@relgo.com		
Scope Criteria	Item		
eleted Relations	Select an Option		
Select Query	Select an Option		
Criteria Type	Select an Option	v	
Select Form	Select an Option	×	
Variable	Select an Option	*	
Operator	Select an Option	*	
Value			

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.

Manage Forms	Manage Variables	Manage Form Variables Manage Fo	rm Actions Manage UX Layout			
Manage Variables		Variable Type :	-		Existing Variables	
			sequencenumber		- Employeeld - 3d2a2819-08a3-48ef-9cd6-a449ade3372e	×
		Select Source Variable:	Name - d22bc65d-d61e-4753-983e-74ce07a36a99	*		
		Select Form :	Series	Ŧ		
		Select Scope :	employeiddetails	*		
		Is Run Time :				
		Variable Name :	EmployeeId			
		Default Value :				
		Width :	Pixel			
		Variable Value Type :	string			
		Variable :	🔲 Hide 🔲 ValidateInput			
		Variable Text :	C Hide C Bold			
		Help Text :				
Manage Valid	ators					
		Validator Type :	select	*	Existing Validators	
		Error Message :			Select an Option	٣
		Fire On :	Select			
		Expression or Default Value :				
			Add Cancel			
				Concerned of		
			opdate vanable Delete vanable	Gander		

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.