

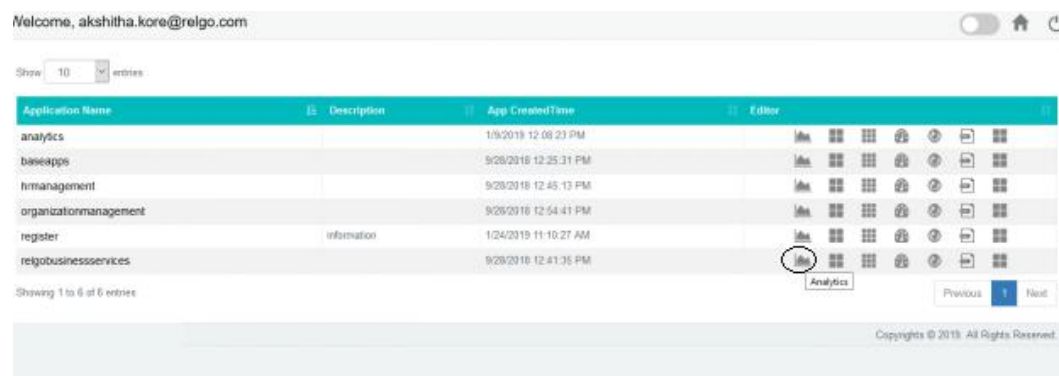
Analytic

Overview:

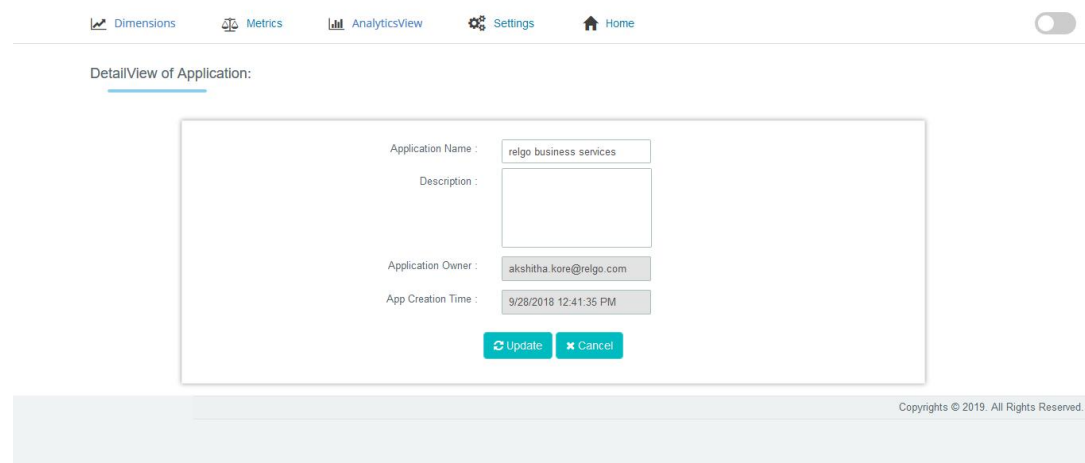
- Analytics is the process of examining data sets in order to draw or generate conclusions (Charts & Graphs) about the information they contain.
- Analytics techniques are widely used in commercial industries and Hr applications to enable organizations to make more-informed business decisions.

How to add Analytic to Application:

In Relgo Apps we have list of Application, choose the application to which analytic needs to be enabled.



By clicking on the Analytics the page will be redirected to the analytics page as shown below:



In Analytics, we have

1. Dimensions
2. Metrics
3. Analytics View

1. Dimensions:

Dimensions are attributes of your data. For example, the dimension Location indicates the location, for example, "Hyderabad" or "Chennai". In Dimensions we have Add dimensions, Add dimensions data as shown below:

The screenshot shows the 'Add Dimensions' modal form. The form has a title bar with 'Add Dimensions' and 'Add Dimensions Data' tabs. The main form area contains the following fields:

- Application Name:
- Description:
- Application Owner:
- App Creation Time:

At the bottom of the form are two buttons: 'Update' (green) and 'Cancel' (red). The background shows the application's navigation bar with 'Dimensions', 'Metrics', 'AnalyticsView', 'Settings', and 'Home' tabs.

a. Add Dimensions:

Add Dimensions is used to create a new dimension. Screen is as shown below:

The screenshot shows the 'Add Dimensions' screen. The navigation bar at the top has 'Dimensions', 'Metrics', 'AnalyticsView', 'Settings', and 'Home' tabs. Below the navigation bar is a breadcrumb trail: 'Dimensions > Add'. The main form area contains the following fields:

- Enter Dimension Name:

At the bottom of the form are two buttons: 'Add' (green) and 'Cancel' (red). The background shows the application's navigation bar with 'Dimensions', 'Metrics', 'AnalyticsView', 'Settings', and 'Home' tabs.

Enter Dimensions Name : One needs to provide dimension name (Example: Time, Location, Area).

Next step is to provide the data to the added Dimensions.

b. Add Dimension Data :

Add Dimension data is used to add data to the added Dimensions.

The image displays two screenshots of a web application interface, specifically the 'Select Dimension' dialog box.

Top Screenshot: The dialog box is titled 'Select Dimension'. It features a dropdown menu labeled 'Select an Option' and a search bar. Below the search bar, the word 'Location' is listed as a selectable option. At the bottom of the dialog, there are two buttons: 'Add' (purple) and 'Cancel' (blue).

Bottom Screenshot: The dialog box is shown again, but now the 'Select Dimension' dropdown is set to 'Location'. The 'Enter Data' field below it contains the text 'Hyderabad, Chennai'. The 'Add' and 'Cancel' buttons remain at the bottom.

Select Dimensions: User needs to select dimension name (Time, Location, Area)

Enter Data : Here we need to give dimensions data like [(1,2,3,4,5,6,7,8,9,10,11,12) or (Hyderabad ,Chennai)].

In Enter data field, user can enter multiple field.

2. Metrics:

Metrics are quantitative measurements. It represents x and y axis data metrics contains the form data to show the chart .

Metrics form is as shown below:

Dimensions Metrics AnalyticsView Settings Home

Add Metrics :

Metric Name Existing Metrics

Select Source Address

Select Form

Select Variable

Select Scope

Build Expression

Select Dimensions

Select Default Dimensions

Select Data

Add Metric Cancel

Copyrights © 2019. All Rights Reserved.

Add Metrics :

Metric Name Existing Metrics

Select Source Address

Select Form

Select Variable

Graph View

Build Expression

Enter Expression

Expression Variables

Selected Variables

Existing Maps

Map

Exp-Map Cancel

Build-Exp Build-Cancel

Select Scope

Select Dimensions

Select Default Dimensions

Select Data

Add Metric Cancel

Activate Windows
Go to Settings to activate Windows.

Metrics Name : User needs to enter Metric name

Select Source Address: User needs to select source address

- 1.Application Admin
- 2.Aplication Owner

Select Form: This field is used to select form

Select Variable: Based on form all the variables will be displayed,
Choose required variables .

Build Expression: Whenever we want to perform any mathematical operations $(-, +, *, /)$ on data, we need to click build Expression.

[Build Expression](#)

Enter Expression

Map

Existing Maps

Expression Variables

Selected Variables

Exp-Map

Build-Exp

To build Expression we need to enter Expressions like (\$\$1\$\$+\$\$2\$\$)

After entering the expression we need to click Map

Expression Variables: Here We will select variables(1,2,..)

Selected variables: Here We will select Form variables for mapping

Then we need to click on Exp-Map button, thus Mapping operation is done.

Finally we need to click Build-Exp then Mapping variables are stored in list(example: 1-a,2-b,..)

Select Scope: User needs to select Scopes from this field.

Select Default Dimensions: We will select Dimensions types
(1.Time, 2.Locations)

Select Data: Here we will select the dimensions data [(1,1,2,4,5,6) or
(Hyderabad ,Chennai)]

Add Metric: When we click on Add Metric button, metric will be Added

Update: if we want to make any changes in existing metrics , then we can click on update button.

3. Analytics View:

Using Analytics view we can select different types of charts and we can map the metrics to x and y axis.

Analytics View :

Analytics View Name

View Purpose

Select View

Chart height width

Existing Analytics Views

Copyrights © 2019. All Rights Reserved

Analytics View Name: User needs to enter analytics view name.

View Purpose : We should enter View purpose like use of the view or description of the view.

Chart height & width : User needs to enter the chart height and width.

Select View : In view we have Four types of charts in this version

- Column Chart,
- Line Chart,
- Pie Chart
- Point Chart

User needs to select one.

a. Column Chart:

A column chart is a graphic representation of data. Column charts display vertical bars going across the chart horizontally, with the values axis being displayed on the left side of the chart.

Analytics View :

Analytics View Name

View Purpose

Select Scheme

Select View

Chart height width

X-Coordinates

Select Metric

Select Options ☒ Data ☐ Dimensions

Intervals

Y-Coordinates

Select Metric

Select Options ☒ Data ☐ Dimensions

Intervals

Activate Windows
Go to Settings to activate Windows.

The screenshot shows a configuration interface for an analytics view. It includes fields for 'Analytics View Name', 'View Purpose', 'Selected View' (set to 'Column Chart'), 'Chart height', and 'width'. Below these are sections for 'X-Coordinates' and 'Y-Coordinates'. Each section contains a 'Select Metric' dropdown (both set to 'Select Some Options'), 'Select Options' radio buttons (both set to 'Data'), 'Select Data Type' dropdown (both set to 'Select an Option'), 'Minimum Value' and 'Maximum Value' input fields, and an 'Intervals' input field. At the bottom are 'Preview', 'Save', and 'Cancel' buttons.

For X- Coordinates :-

Select Metric : Here all the Metrics are displayed in dropdown ,user needs to choose any one.if we want create multiple charts then we need to select multiple metrics

Select Options: Here we have two options

1. Data
2. Dimensions

If we want to show data on x-axis then , we should select Data.

If we want to show Dimensions on x-axis then , We should select Dimensions.

Select Data type: Here we have to select data type of metric (variable)

X-axis Min Value: Here we have enter minimum value of axis

X-axis Max Value: Here we have enter maximum value of axis

Intervals: How many intervals should be their between data to show in the chart view

For Y- Coordinates :-

Select Metric : Here all the Metrics are displayed as dropdown so we have to select any one, if we want create multiple charts then we need to select multiple metrics

Select Options: Here we have two options

- 1.Data
- 2.Dimensions

If we want to show data on Y-axis then we should select Data.

If we want to show Dimensions on Y-axis then We should select Dimensions.

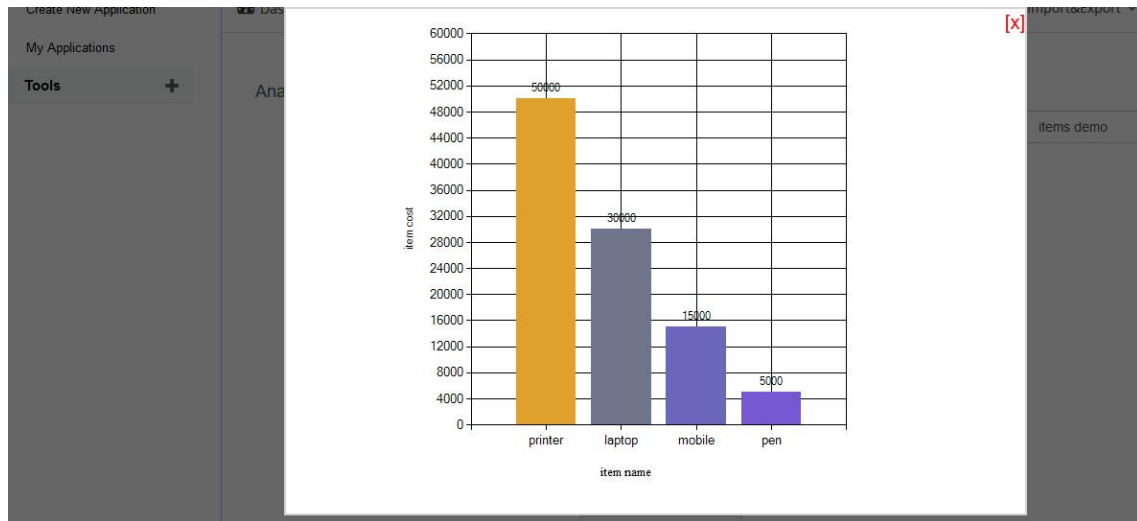
Select Data type: Here we have to select data type of metric (variable).

Y-axis Min Value: Here we have enter minimum value of axis.

Y-axis Max Value: Here we have enter maximum value of axis.

Intervals: How many intervals should be their b/n data to show in the chart view.

Preview : If we Click on Preview button.



b. Line Chart:

Line chart is a type of chart used to visualize the value of something over time. Choose SELECT VIEW as line chart.

Analytics View :

Analytics View Name

Existing Analytics Views

View Purpose

Select Scheme

Select View

Chart height width

-----X-Coordinates-----

Select Metric

Select Options ☒Data ☐Dimensions

Intervals

-----Y-Coordinates-----

Select Metric

Select Options ☒Data ☐Dimensions

Intervals

Activate Windows
Go to Settings to activate Windows.

Analytics View :

For X- Coordinates :-

Select Metric : Here all the Metrics are displayed in dropdown ,user needs to choose any one, if we want create multiple chart then we need to select multiple metrics

Select Options: Here we have two options

1. Data
2. Dimensions

If we want to show data on x-axis then , we should select Data.

If we want to show Dimensions on x-axis then , We should select Dimensions.

Select Data type: Here we have to select data type of metric (variable)

X-axis Min Value: Here we have enter minimum value of axis

X-axis Max Value: Here we have enter maximum value of axis

Intervals: How many intervals should be their between data to show in the chart view

For Y- Coordinates :-

Select Metric : Here all the Metrics are displayed as dropdown so we have to select any one, if we want create multiple chart then we need to select multiple metrics

Select Options: Here we have two options

1. Data
2. Dimensions

If we want to show data on Y-axis then we should select Data.

If we want to show Dimensions on Y-axis then We should select Dimensions.

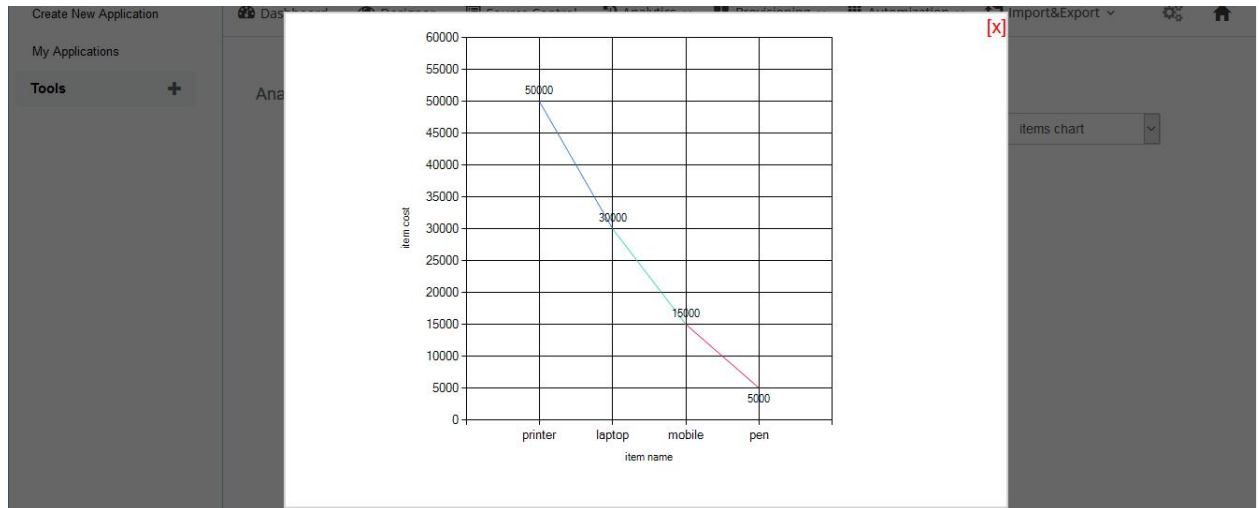
Select Data type: Here we have to select data type of metric (variable).

Y-axis Min Value: Here we have enter minimum value of axis.

Y-axis Max Value: Here we have enter maximum value of axis.

Intervals: How many intervals should be their b/n data to show in the chart view.

Preview : If we Click on Preview button.



c. Pie Chart:

Pie charts are generally used to show percentage or proportional data and usually the percentage represented by each category is provided next to the corresponding slice of pie.

Analytics View :

Analytics View Name

View Purpose

Select Scheme

Select View

Chart height width

Select Sectors

Select Metric

Select Options ☒ Data ☐ Dimensions

Choose SELECT VIEW as pie Chart.

Select Metric : Here all the Metrics are displayed in dropdown, choose one.

Select Options: Here we have two options

- 1.Data
- 2.Dimensions

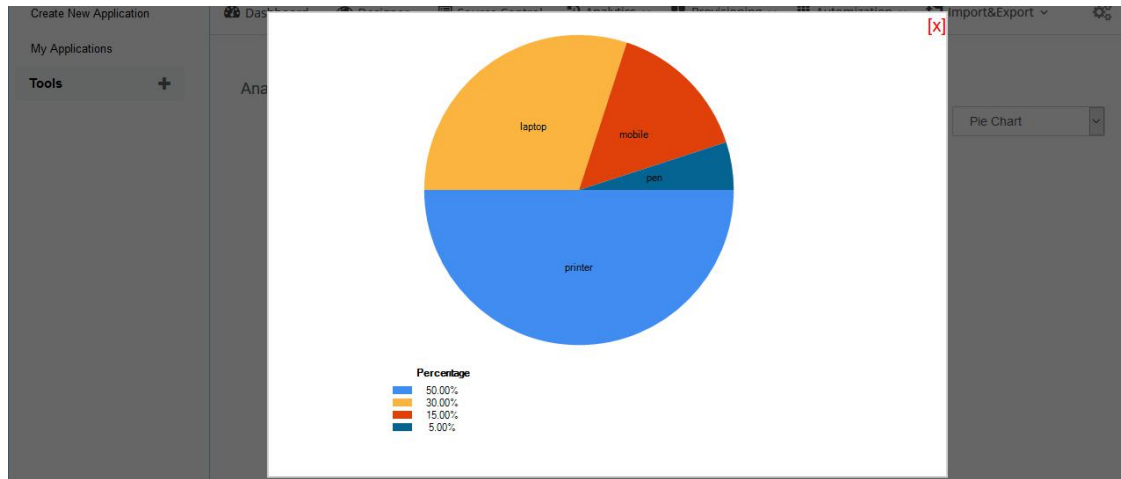
If we want to show data on the Chart then we should select Data.

If we want to show Dimensions on the Chart then We should select Dimensions.

Save : If we Click on Save then Analytics View will be saved.

Update: if we want to make any changes in existing Analytics view , then we can click on update button.

Preview : If we Click on Preview button.



d. Point Chart:

Point charts are useful for showing quantitative data in an uncluttered fashion. Point charts use multiple points to plot data along an ordinal axis. A point chart the same as a line chart without the lines. Only the data points are shown.

Analytics View :

Analytics View Name

Existing Analytics Views

View Purpose

Select View

Chart height width

X-Coordinates

Select Metric

Select Options ☒ Data ☐ Dimensions

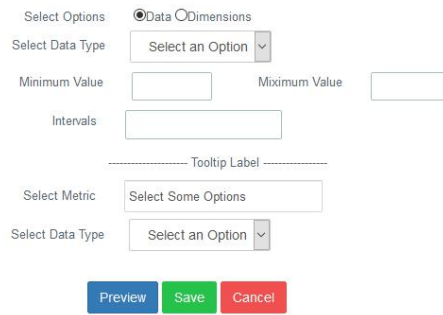
Select Data Type

Minimum Value Maximum Value

Intervals

Y-Coordinates

Select Metric



For X- Coordinates :-

Select Metric : Here all the Metrics are displayed in dropdown ,user needs to choose any one, if we want create multiple chart then we need to select multiple metrics

Select Options: Here we have two options

1.Data

2.Dimensions

If we want to show data on x-axis then , we should select Data.

If we want to show Dimensions on x-axis then , We should select Dimensions.

Select Data type: Here we have to select data type of metric (variable)

X-axis Min Value: Here we have enter minimum value of axis

X-axis Max Value: Here we have enter maximum value of axis

Intervals: How many intervals should be their between data to show in the chart view

For Y- Coordinates :-

Select Metric : Here all the Metrics are displayed as dropdown so we have to select any one, if we want create multiple chart then we need to select multiple metrics

Select Options: Here we have two options

1.Data

2.Dimensions

If we want to show data on Y-axis then we should select Data.

If we want to show Dimensions on Y-axis then We should select Dimensions.

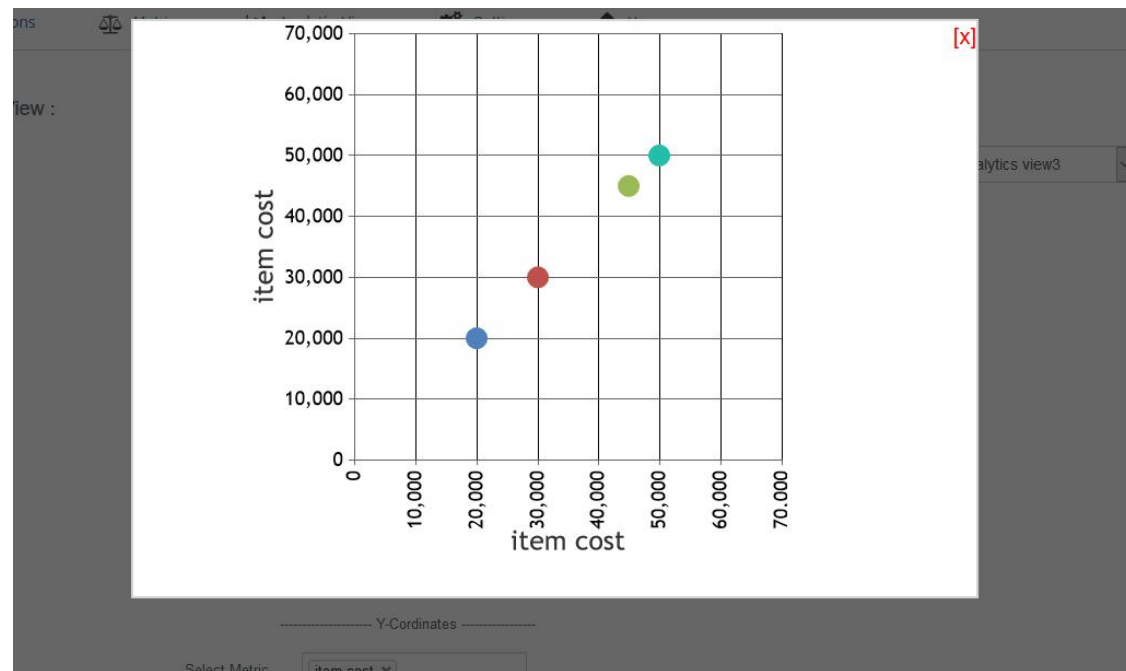
Select Data type: Here we have to select data type of metric (variable).

Y-axis Min Value: Here we have enter minimum value of axis.

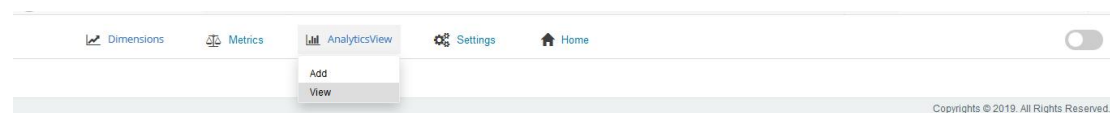
Y-axis Max Value: Here we have enter maximum value of axis.

Intervals: How many intervals should be their b/n data to show in the chart view.

Preview : If we Click on Preview button.



Analytic View:



By clicking on View, the list of charts available will be displayed.

Analytics View Name	Description	Metrics Name	View Name	Actions
device cost		device,price	Column Chart	
Column chart		item name,item cost	Column Chart	
items demo	bfnq	dceds,item cost	Column Chart	
items chart	it contain data about the items	item name,item cost	Line Chart	
Pie Chart	item data	emp data	Pie Chart	

A table appears with all the Analytics Views with view names and Metrics names.

In actions we have a delete button , if we click on the delete button then analytics view will be deleted.

Enable Analytics to Forms:

How to Add Analytics to form:

- In Manage Forms we need to select or create specific Form
- In Manage variable we need to select variable type as Analytics.
- Then select specific Analytics View.
- Finally click on Add Variable.
- In Mange Form Variables we can add that variable to a Specific Form.

Welcome, relgo business services

FORMS EXPRESSION BUILDER WIDGETS SEARCHSCOPE MODULES THEMES MODULEDEFINITION VERSIONING

Manage Forms Manage Variables Manage Form Variables Manage Form Actions Manage UX Layout

Manage Variables

Variable Type : Select

Is Run Time :

Variable Name :

Default Value :

Width :

Variable Value Type :

Variable :

Variable Text : ☐ Hide ☐ Bold

Existing Variables

Select an Option

Welcome, relgo business services

FORMS EXPRESSION BUILDER WIDGETS SEARCHSCOPE MODULES THEMES MODULEDEFINITION VERSIONING

Manage Forms Manage Variables Manage Form Variables Manage Form Actions Manage UX Layout

Manage Variables

Variable Type : Analytics

Select Analytics View : Select an Option

Is Run Time :

Variable Name :

Default Value :

Width :

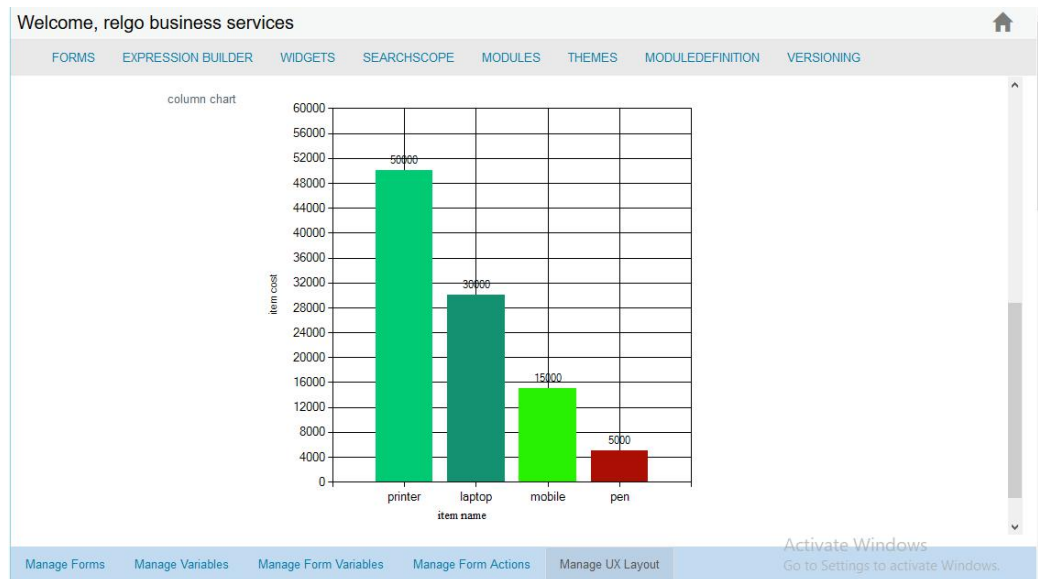
Variable Value Type : string

Variable : ☐ Hide ☐ ValidateInput

Existing Variables

Select an Option

- After Adding the Variable the Chart is as shown below:



- These Analytics views will become variables at manage ux layout. And we can apply ux layouts to these views.