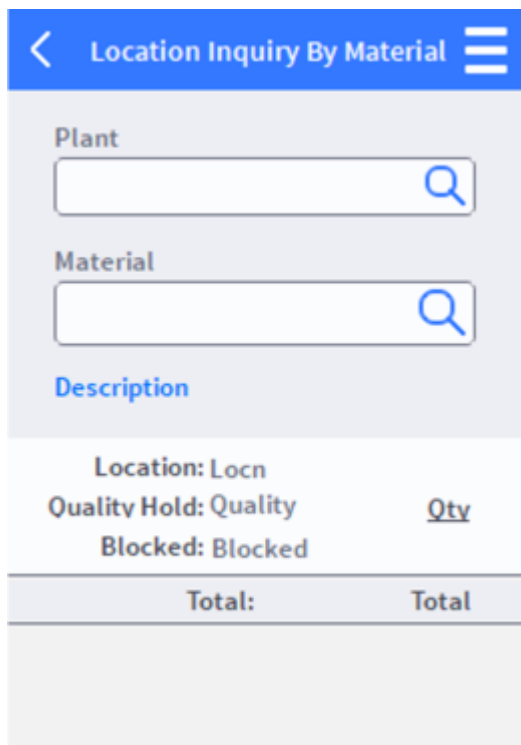


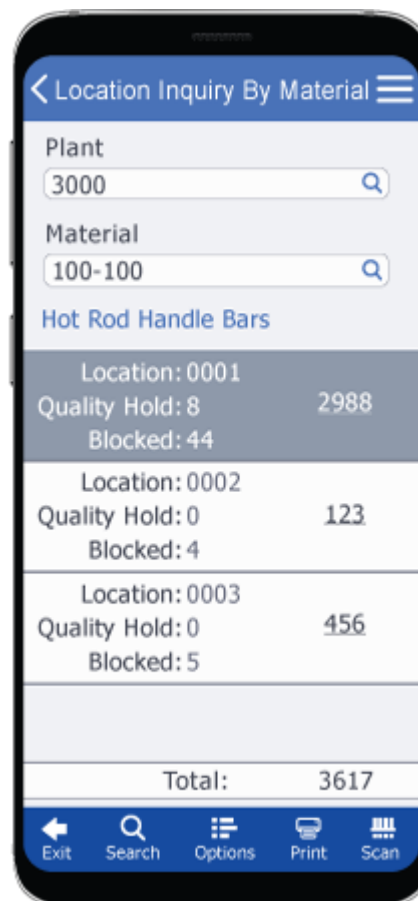
Technical Bulletin 1002

RFgen 5.1 Perfecting Your Presentation with the PanelList Control

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 Release: RFgen 5.1.1



Design View



RunTime View

Perfecting your application’s presentation is amazingly easy with the new PanelList control.

Simply set the number of panels you’ll need, arrange your prompts on “parent” panels, bind your data-centric controls to specific columns, and script your data source. At runtime, RFgen replicates the panels populated by your data. While the layout options are endless, to help you get started, we’ll include an example code and a few tips on how the PanelList was designed.

This feature is only available in the Mobile Unity Platform, RFgen 5.1.1 and higher.

Downloads of this version are now available from:

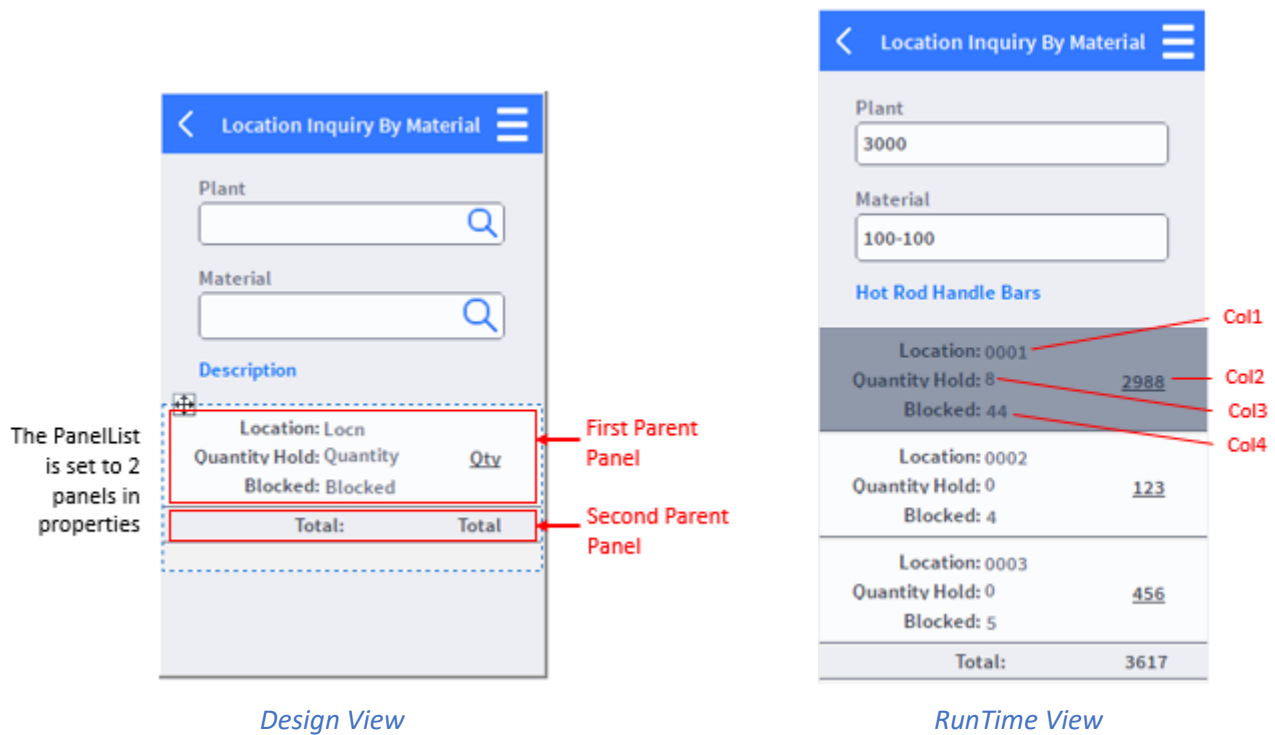
<https://www.rfgen.com/product-portal>

How the PanelList Was Designed

The PanelList is different from the Panel control in that it allows you to have multiple parent panels where each parent can act as a “template” for hosting data. In this application, we added a PanelList Control to our form. The **PL** control defaults to one panel. Since we needed two panels, one to hold the records and another to display the Totals, we added a second panel by setting the PanelList Control’s Panel property value to “2”.

At runtime, the first parent control displays repeatedly until its told to switch to the second parent panel.

The **AddItem** command was used to populate the panels at runtime.



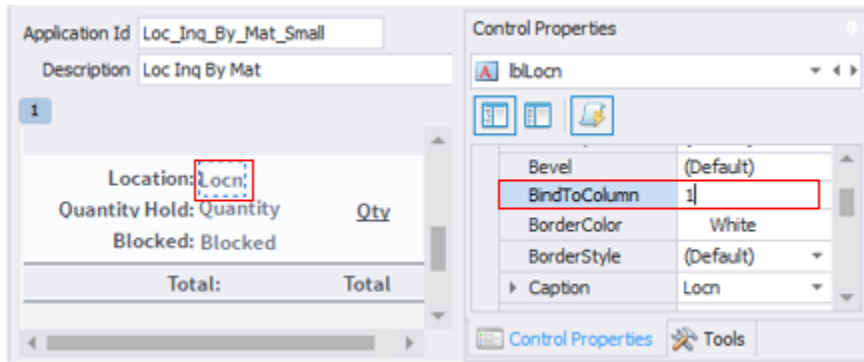
If you use **AddItem**, you can clearly see each column has a specific purpose.

```

    pl.List.AddItem(1, Col 1, Col 2, Col 3, Col 4)
    pl.List.AddItem(2, "0002", "123.000", "0.000", "4.000")
    
```

The first one is the Locn. The second is Qty. The third is on hold quantity, and the fourth is the blocked stock quantity.

We use the **BindToColumn** property to specify which label goes with which column. The **Locn** label is bound to Column 1; **Qty** is bound to column 2; **Quantity** is bound to column 3, and **Blocked** is bound to column 4.



The BindToColumn Property Binds Column 1's Contents to this Label

If the code you wrote looks like this:

```
Pl.List.Data = DB.MakeList(sSQL, True, True)
```

Then the SQL statement sequence of requested columns becomes the sequence 1 – n.

```
sSQL = "select LOCATIONID, QUANTITY, QUALITY, BLOCKED from LOCATIONS"
```

In this case, once the primary panel has been completed you may use the command:

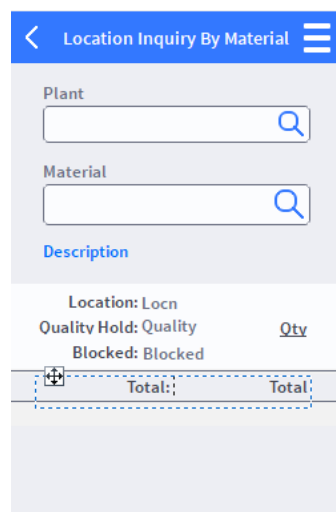
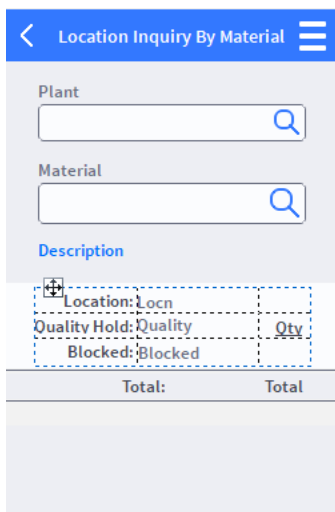
```
pl.List.SetDefaultColSet (2)
```

(where the primary panel was the default 1 for now) and begin adding more items. In this case:

```
pl.List.AddItem(5, "1,000,000")
```

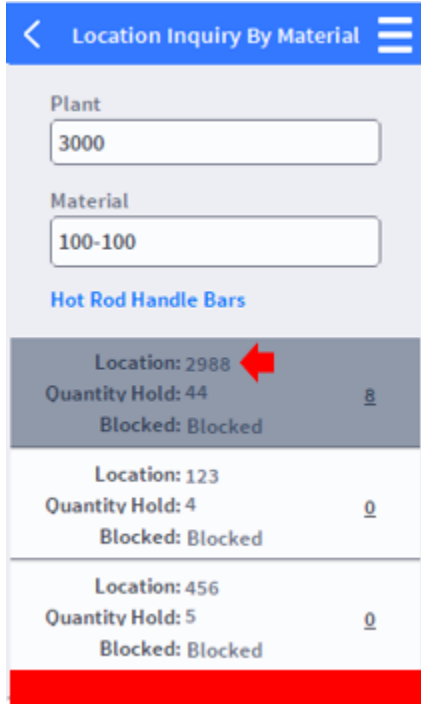
is used to fill in the last panel for a total.

Last of all, to keep the data aligned, we used the **Layout** control. This helps keep the labels in place in the event the strings needed to be localized. The first layout control contains seven labels in the first parent panel and another Layout control contains the Totals on the second parent panel.



Troubleshooting

If at runtime, you do not see the Totals panel appear, check your environment settings and pl.List.SetDefaultColSet values, and look for a mismatch on the counts.



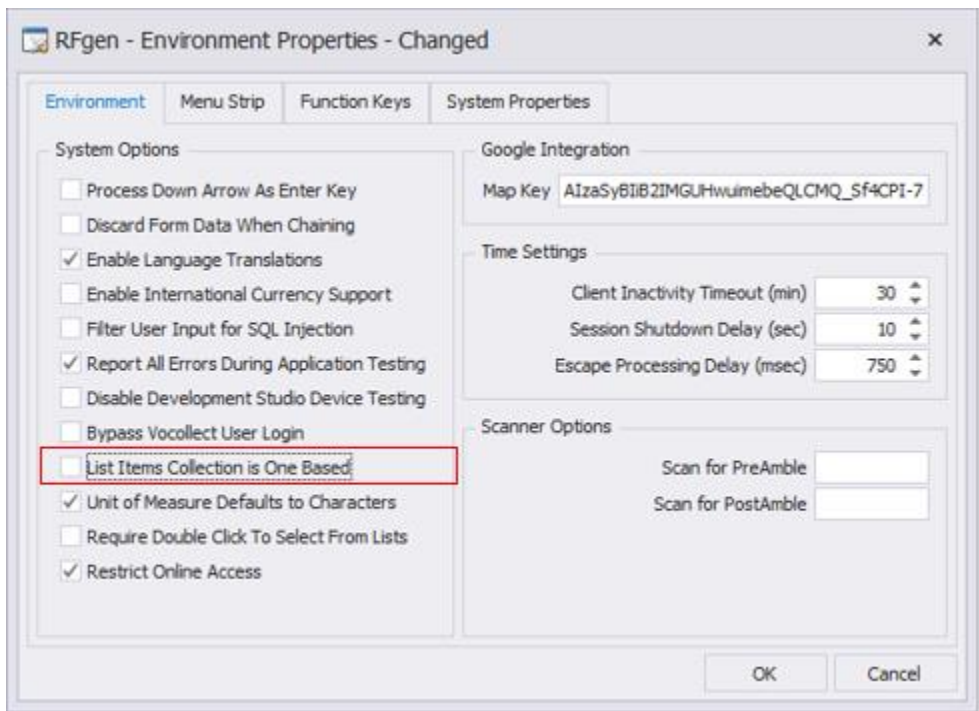
Example: **Totals Row does not display and data values are wrong**
 Reason: RFgen counted the first parent panel as ColSet "0" because in **Configuration > Environment Properties > List Items Collection is One Based** was **unchecked**, so RFgen begins list counts at "0", but the script used:

```
pl.List.SetDefaultColSet (2)
```

"Colset 2" doesn't exist so RFgen does not pick up the second parent panel. The data is wrong because the Location column binding = 1, but RFgen starts at "0" so value assignments are off by 1.

Fix: Change

```
pl.List.SetDefaultColSet (2)
to
pl.List.SetDefaultColSet (1)
```



Example Script

Option Explicit

```
Private Sub Form_Load()  
    On Error Resume Next  
  
    txtPlant.Text = "3000"  
    txtMaterial.Text = "100-100"  
    lblDesc.Caption = "Hot Rod Handle Bars"  
  
    pl.List.AddItem(1, "0001", "2988", "8", "44")  
    pl.List.AddItem(2, "0002", "123", "0", "4")  
    pl.List.AddItem(3, "0003", "456", "0", "5")  
    'pl.List.AddItem(4, "0004", "246", "0", "53")  
    'pl.List.AddItem(4, "0005", "2460", "0", "33")  
  
    pl.List.SetDefaultColSet(1)  
  
    pl.List.AddItem(5, "3617")  
  
End Sub  
  
Private Sub TextBox1_OnEnter(ByRef Rsp As String, ByRef Cancel As Boolean, ByRef  
ErrMsg As String)  
    On Error Resume Next  
  
    DB.Execute("SELECT * FROM F4100")  
  
End Sub  
  
Private Sub txtMaterial_OnSearch(ByRef Rsp As String, ByRef Cancel As Boolean)  
    On Error Resume Next  
  
End Sub  
  
Private Sub txtPlant_OnSearch(ByRef Rsp As String, ByRef Cancel As Boolean)  
    On Error Resume Next  
  
End Sub
```