01-07-2024   Building a Report with Conditional Formatting

Creating the initial report with the Report Wizard

The Report Wizard is a great way to start building a report. The Report Wizard alone may give you a report that satisfies your requirements. If it doesn't, you can use the Data Model view, the Live Previewer, and the Layout Model view to further refine your report. For this report, you will start with the Report Wizard, and then use the Live Previewer and Layout Model to modify the layout and add conditional formatting to the report. The steps in this section will help you to create the initial report.

Making simple formatting modifications to the report

In the Live Previewer, click the column of data below the Current Price heading. Report Builder selects every instance of the field. This means that any change you make at this point will be applied to all instances of the field

Adding a formatting exception to a field

The Conditional Formatting dialog box is a great way to start applying formatting exceptions to your layout objects. (For example, you can make a field's value bold when it exceeds a specified maximum value). The Conditional Formatting dialog box alone may satisfy your requirements for creating a formatting exception.

In this section, you will set conditional formatting for two summary fields, Maxcurrent_pricePerSymbol and :Mincurrent_pricePerSymbol. Doing this will flag values if they are outside of the specified maximum and minimum points.

Adding more functionality to the generated format trigger code

In many cases, simply changing formatting attributes as done in "Adding a formatting exception to a field" may suffice. However, you can also include more sophisticated processing.The steps in this section will help you to design the report for PDF output and add bookmarks that indicate when stock prices reach a maximum point. Because you have already generated some code with the Conditional Formatting dialog box, some of the logic you need is already in place

begin

-- Automatically Generated from Report Builder.

1.Begin

if ((:current_price = :Maxcurrent_pricePerSymbol) or

(:current_price = :Mincurrent_pricePerSymbol))

then

srw.set_foreground_border_color('black');

srw.set_border_pattern('solid');

srw.set_foreground_fill_color('red');

srw.set_fill_pattern('solid');

srw.set_font_face('Arial');

srw.set_font_size(10);

srw.set_font_weight(srw.bold_weight);

srw.set_font_style(srw.plain_style);

if (:current_price = :Maxcurrent_pricePerSymbol)

then

srw.set_bookmark(:symbol || ' at maximum ');

elsif (:current_price = :Mincurrent_pricePerSymbol)

then

srw.set_bookmark(:symbol || ' at minimum ');

end if;

end if;

return (TRUE);

end;

Adding a formatting exception to a repeating frame

Creating a formatting exception for a single field can be useful, but you can also create a formatting exception that affects a number of objects at once. Report Builder typically groups objects inside of frames or repeating frames. If the objects inside of a frame are transparent, changing the fill color of a repeating frame will effectively change the fill color of the objects inside of it.

Modifying the generated code

By making a simple modification to the code that was generated by the Conditional Formatting and Format Exception dialog boxes, you can make the fill color alternate for even and odd instances of the repeating frame.

function R_G_symbolFormatTrigger return boolean is

begin

-- Automatically Generated from Report Builder.

if (:CS_count mod 2 = '1')

then

```
srw.set_foreground_fill_color('gray32');

srw.set_fill_pattern('solid');

end if;

-- Automatically Generated from Report Builder.

if (:CS_count mod 2 = '0')

then

srw.set_foreground_fill_color('r50g50b100');

srw.set_fill_pattern('solid');

end if;

return (TRUE);

end;
```