Dynamic Cell Colors in Reports

Quick video tutorial (no audio)

How to Use

Creating Callback Function

Table cells can be dynamically colored by using the input parameters of the Callback Function. You can filter tables by **ColumnName** and **Rows**.

To use this feature, you will need to add a callback function in the **ClientMain** class that is called every time the DataGrid is modified.

The function has the following syntax:

```
public void OnReportCustomTableCell(string reportName, string columnName, System.
Data.DataRow row, System.Windows.Documents.TableCell tableCell)
{
// Insert Code Here
}
```

In this example, we will add the following table to our report:

First Name	Last Name	Age	State	Country
John	Brown	40	Texas	USA
Mary	Jane	35	Texas	USA
Peter	Parker	17	Texas	USA
Bruce	Wayne	45	Texas	USA
Clark	Kent	25	Sao Paulo	Brazil

Callback Function Usage

The code below shows an example of how this feature can be implemented.

```
public void OnReportCustomTableCell(string reportName, string columnName, System.
Data.DataRow row, System.Windows.Documents.TableCell tableCell)
{
if (columnName == "Age")
{
if (TConvert.To<int>(row["Age"]) == 40)
tableCell.Background = Brushes.Red;

else if (TConvert.To<int>(row["Age"]) < 30)
tableCell.Background = Brushes.Yellow;

else
tableCell.Background = Brushes.Green;
}

if (row["Country"].ToString() == "Brazil")
tableCell.Background = Brushes.Coral;
}
```

The result achieved by the example code is presented in the image below.

First Name	Last Name	Age	State	Country
John	Brown	40	Texas	USA
Mary	Jane	35	Texas	USA
Peter	Parker	17	Texas	USA
Bruce	Wayne	45	Texas	USA
Clark	Kent	25	Sao Paulo	Brazil

The new colored DataGrid is added into the report following the same logic as before.

Report with Colored DataGrid

Insert a table with the correct number of columns and only **TWO** rows. In the first column, write the text that will be the column name in the printed report.

In the second column, write the correct column name that is in the database.

First Name	Last Name	Age	Address	State	Country
FirstName	LastName	Age	Address	State	Country

Additional Information

Since the callback function is placed into the ClientMain class, the reports containing DataGrids will only be colored if the report is being saved by one of the following methods:

- Using the SaveCommand method in **CodeBehind**
- Using the SaveCommand method in a **Task** with Client Domain
- Using a tag in the report **SaveTrigger**

