



Conditional CSS Styling

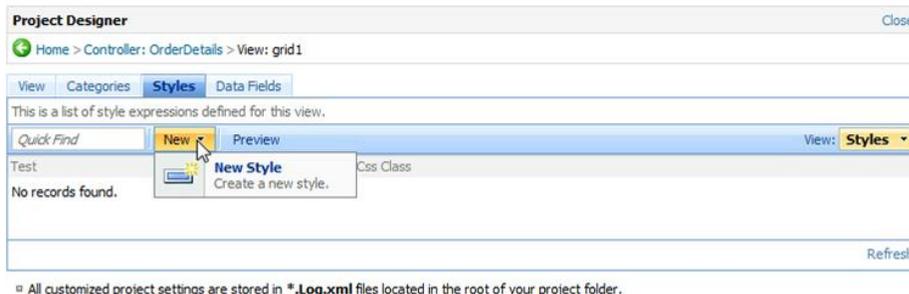
Suppose that you need to highlight all *Order Details* rows with *UnitPrice* above \$30 and indicate those with *Discount* greater than or equal to 15%, such as in the screenshot below.

Order	Customer	Product Name	Unit Price	Quantity	Discount	Order Employee	Order Ship Via	Product Category	Product Supplier
VINET		Queso Cabrales	\$14.00	12	0	Vins et alcools Chevalier	Federal Shipping	Dairy Products	Cooperativa de Quesos 'Les Cabres'
VINET		Singaporean Hokkien Fried Mee	\$9.80	10	0	Vins et alcools Chevalier	Federal Shipping	Grains/Cereals	Leka Trading
TMST		Mozzarella di Giovanni	\$14.80	5	0	Vins et alcools Chevalier	Federal Shipping	Dairy Products	Franzoso Foods S.p.A.
TMSP		Tofu	\$18.60	9	0	Toms Spezialitäten	Suyama	Produce	Mayumi's
TMSP		Mangina Dried Apples	\$42.40	40	0	Toms Spezialitäten	Suyama	Produce	O'day, Main
HANAR		Jack's New England Clam Chowder	\$7.70	10	0	Hanari Carnes	Peacock	Seafood	New England Seafood Cannery
HANAR		Mangina Dried Apples	\$40.40	35	8.33	Hanari Carnes	Peacock	Produce	O'day, Main
HANAR		Louisiana Fiery Hot Pepper Sauce	\$16.80	15	8.33	Hanari Carnes	Peacock	Condiments	New Orleans Cajun Delights
VICTE		Gustaf's Knäckebröd	\$16.80	6	0.05	Victualles en stock	Levering	Grains/Cereals	PB Knäckebröd AB
VICTE		Ravioli Angelo	\$15.60	15	0.05	Victualles en stock	Levering	Grains/Cereals	Pasta Buttrri s.r.l.

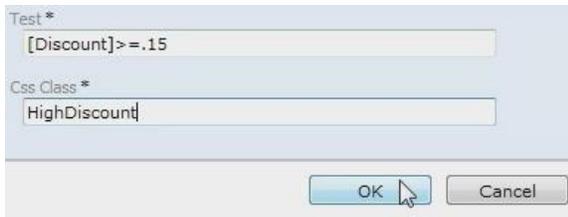
A newly generated *Website Factory* application will have all rows uniformly displayed in the default style.

Click on *Code OnTime Generator* link on the desktop of your computer to start the code generator.

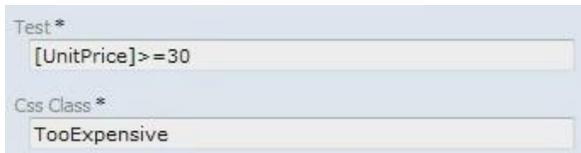
Select the project you wish to edit, and then press the *Design* button. Once the *Designer* opens, click *OrderDetails* controller on *All Controllers* tab. The *OrderDetails* controller properties will open. Press the *View* tab, click on *grid1*, and go to *Styles*. Press *New Style*.



We shall create two new styles. Write two JavaScript test expressions. If a field name must be referenced in the expression then place the field name in square brackets. The first expression will test *Discount* to see if it is greater than or equal to 15%, and assign the CSS class *HighDiscount* to the rendered data row.

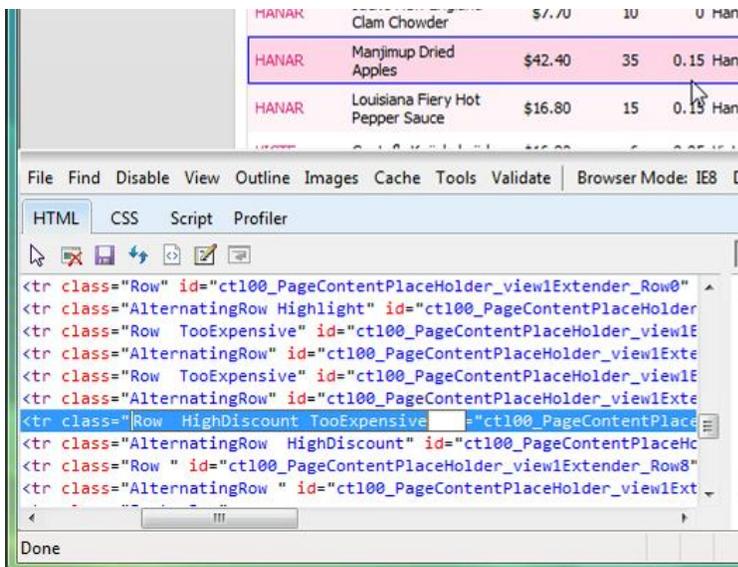


Now create one more rule that will test *UnitPrice* to see if it is above \$30, and assign the CSS class *TooExpensive* to the rendered row.



Close the *Designer* by clicking on the *close* link in the right top corner of the screen in *Project Designer* box above the path to return to the code generator. Press *Next* in the bottom right corner, then the *Generate* button.

We have not yet applied any custom styling, just assigned styles. Open *Developer Tools* in *Internet Explorer 8* by pressing F12, and then press *Inspect*. Click on a row. HTML tab of *Developer Tools* will display HTML behind the rendered grid of rows. You can see that the rows have the style names applied according to *Discount* and *UnitPrice* in a given row. Those rows with *Unit Price* above \$30 are assigned the CSS class *TooExpensive*, and those with *Discount* greater than 15% are assigned *HighDiscount*. The selected row in the screenshot below has the classes *Row*, *HighDiscount*, and *TooExpensive*.



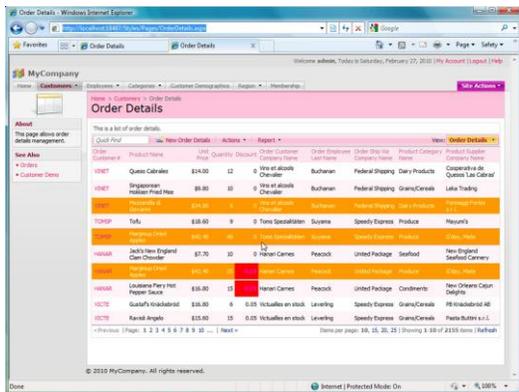
Run *Microsoft Visual Studio* to create custom styling for rows marked with classes *HighDiscount* and *TooExpensive*. Select *File | Open Website*, and navigate to the location of your website project. Expand *App_Themes / MyCompany* folder in *Solution Explorer* or the folder that contains *_Layout.skin* file if the namespace of your project is other than *MyCompany*. Create a new stylesheet by right-clicking on the folder and pressing *Add New Item*. Select the *Stylesheet* icon in the list and press *Add*. Create the style definitions for *HighDiscount* and *TooExpensive* by typing in this code into the stylesheet:

```

tr.HighDiscount td.Discount
{
    color: pink!important;
    font-weight: bold!important;
    background-color: red!important;
}
tr.TooExpensive td
{
    background-color: orange!important;
    color: yellow!important;
}

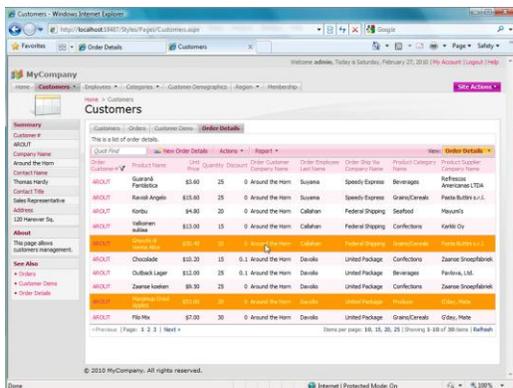
```

Make sure to append the *!important* suffix right after the style attribute value, so that the style overrides any other styles defined elsewhere in the application. Save the stylesheet, go back to the web browser, and refresh the web application.



You can see that now we have conditional styling. Rows with *HighDiscount* have the *Discount* cell highlighted in red, with pink font. Rows with *TooExpensive* are highlighted orange, with yellow color of text.

This custom styling is not limited to any particular page. Click on the *Customers* tab in the upper left side of the screen. Select any customer, and go to the *Order Details* tab inside of the *Customers* page. You will see that the same styling is applied there.



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