WinForms Grid - Show Multiple Summary Values under the same Column

The XtraGrid supports displaying multiple summary values in the footer of the grid control. In this video, you’ll learn how to display two summary values under the same column. We will generate the first summary value using the designer and the second one will be created at runtime using code.

So let’s get started...

1. I’ll start with a Windows Application that has a Grid Control bound to the “Products” table of the NorthWind database.

2. I run the designer and switch to the Columns page.

3. First, I select the “CategoryID” column and set its “SummaryType” property to “Sum”.

4. This will display the Sum of the CategoryID column in the footer of the grid.

5. Next, I’m going to create a new unbound column.

6. This column will be used to calculate the second summary value at runtime.

7. I select the new column and set its “Visible” property to “False” so that it doesn’t display at runtime.

8. I also need to specify its type.

9. To do this, I set the “UnboundType” property to “Integer”.

10. Now, I’m going to instruct the new column to calculate the average value of the “CategoryID” column.

11. I expand “SummaryItem” and set the “FieldName” property to “CategoryID”.

12. The “SummaryType” is then set to “Average”.

13. Next, I need to enable the Grid’s Footer and resize it to fit two summary fields.

14. I switch to the “Feature Browser”.

15. I expand “Summary”, “Total Summary”, and click on “Footer” to view its properties.

16. I enable the Footer by clicking on the “OptionsView.ShowFooter” link.

17. The default footer height can only display a single summary value field.

18. To modify the height to fit two fields, I set the “FooterPanelHeight” property to ‘45’.

19. And I’m done with the Grid customization so I close the designer.

20. To display custom summary values in the footer, I need to handle the “CustomDrawFooterCell” event of the gridView.

21. I create an event handler for it and add the following code.
22. This will draw a second custom summary field under the CategoryID column and display the calculated average.

23. And I’m done!

24. I run the application to see the results.

25. You’ll see that there are now two summary values displayed for the CategoryID column.

For more information, please see the XtraGrid’s Documentation (http://www.devexpress.com/Help/?document=XtraGrid).

Thanks for watching and thank you for choosing DevExpress!