

# Front Panel Customization

## Goal

Explore basic front panel operations. Learn about controls, including changing control color, making labels and captions, and changing fonts.

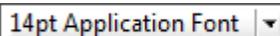
## Scenario

In this exercise, you will be given a pre-created VI which is not properly organized. Your task is to clean it up. Use the menus and clean-up options to complete this task.

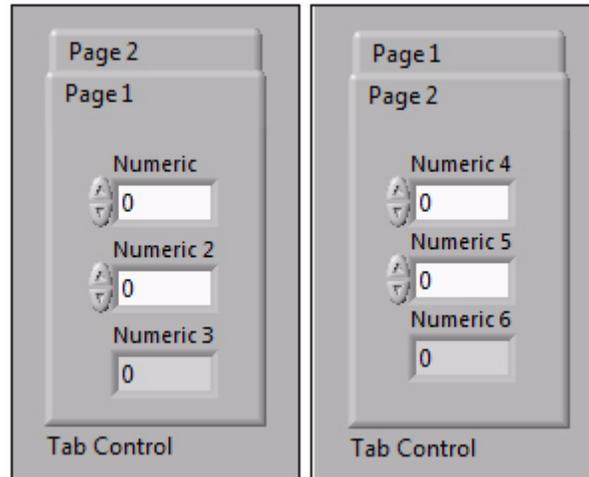
## Implementation

The files that you need to complete this exercise are here: <NI eLearning>\LV Core 1\FP\_Customizing\Exercise.

1. Open `Messy.vi`.
  - Open LabVIEW.
  - Select **File»Open**.
  - Select `Messy.vi` from the <Exercise> directory and click **OK**.
2. Add a Tab Control to the front panel.
3. Drag Numerics 1, 2 and 3 onto Page 1 of the tab control.
  - Select all 3 numerics, and drag them into the tab control.
  - Arrange them vertically.
4. Change the font color on all of the Numerics to be Black and size 14.
  - Highlight the text, and under **Text Settings**, click **Size»14**.
  - Then, also under **Text Settings** click **Color**, and select the black color.
5. Clean up the Tab.
  - Highlight all three Numerics, and under **Align Objects** on the toolbar select **Right Edges**.
  - Under **Distribute Objects**, click **Vertical Centres**.
  - Under **Resize Objects**, click **Maximum Width and Height**.



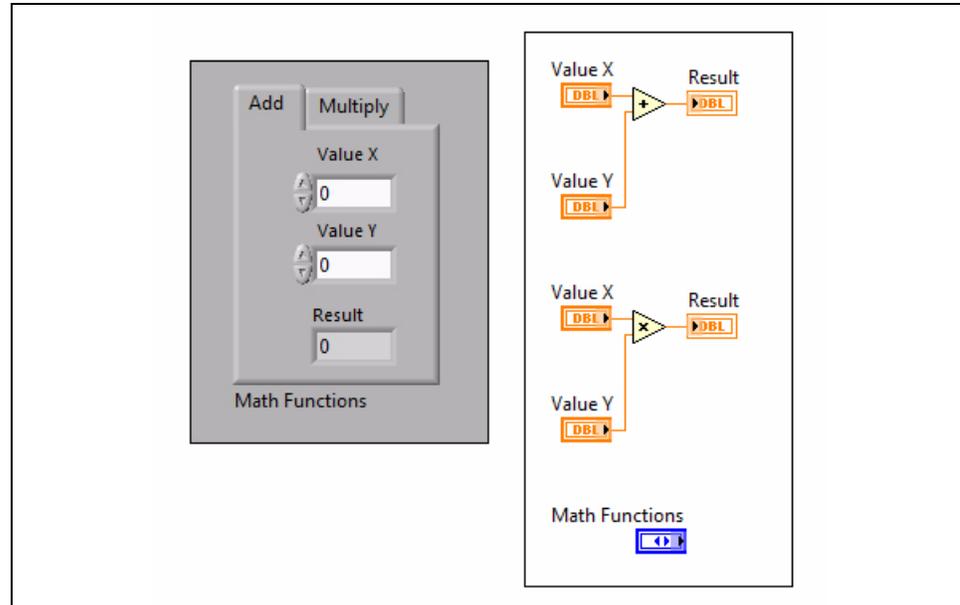
6. Select Page 2 on the tab control, and repeat step 4 through 6 using Numerics 4, 5 and 6.



**Figure 1.** Tab Controls

7. Rename the first tab from Page 1 to Add.
  - Double-click the Page 1 text and type Add.
8. Rename the second tab from Page 2 to Multiply.
9. Rename the label of the tab control to Math Functions.
10. Rename Numeric 1 and 4 to Value X.
11. Rename Numeric 2 and 5 to Value Y.
12. Rename Numeric 3 and 6 to Result.
13. Clean up the block diagram.
  - Press <Ctrl-E> to switch to the block diagram, and then click the **Clean up Diagram** button.





**Figure 2.** Front Panel and Block Diagram

14. Save the VI.

- Select **File»Save**.
- Save the VI as Clean (After) .vi. in the <Exercise> directory.

15. Compare your VI to the provided solution VI.

16. Close the VI when you are finished.

## End of Exercise

# Notes

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