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Section: IGME106.01.2191

Theme: I made a calculator that only does addition. I went with it because I asked myself "What useful tool would be amusing to strip 90% of its functionality from?", and I had just finished my physics homework that required extensive use of my graphing calculator.

What the form does: You have two fields that hold integers. To input those integers, however, you have to fill up and empty a progress bar. You can only use certain elements on the form when the progress bar is at certain values.

Moreover, selecting numbers is broken up into separate forms for prime and non-prime numbers for the sake of tedium.

Events:

(All events are logged into a text file)

[FORM1]

fillErUpButton_Click - Increments the value of the progress bar by 10 if it is not already full. After that, based on the bar's value, the event determines which controls should be rendered active and inactive.

emptyErOut_Click - Empties the progress bar and resets the controls to their initial activity states.

clearButton1_Click - Clears the first integer box.

clearButton2_Click - Clears the second integer box.

primeButton1_Click - Opens the prime number form for the first box.

otherButton1_Click - Opens the non-prime number form for the first box.

primeButton2_Click - Opens the prime number form for the second box.

otherButton2_Click - Opens the non-prime number form for the second box.

calculateButton_Click - Calculates the sum of the two integers every other time the button is clicked. Alternates between warping the button's size and actually performing the calculation. Also inputs numbers on the left side for the sake of being unwieldy and irritating.

instructionsBox_SelectedIndexChanged - Doesn't do anything other than logging that the control was interacted with.

[OTHER1, OTHER2, PRIME1, & PRIME2]

button5_Click/clearButton_Click - Closes the form.

buttonX_Click - Appends integer X to the left of the form's respective integer box on Form1.

Win Condition: (Included in the instructions) The program will be considered "won" and will close when a calculation is made that equals 88.

Log info: The log file shows a log of the events that occur while the form was last open. It includes a timestamp, the reporting event, and the action that occurred. It can be found in the project folder--which is the same directory where the .cs files are found.