



# School of Applied Sciences And Technology

## Department of IST

### Program: CNT

#### CMPE1666 -ICA 13 Fontify

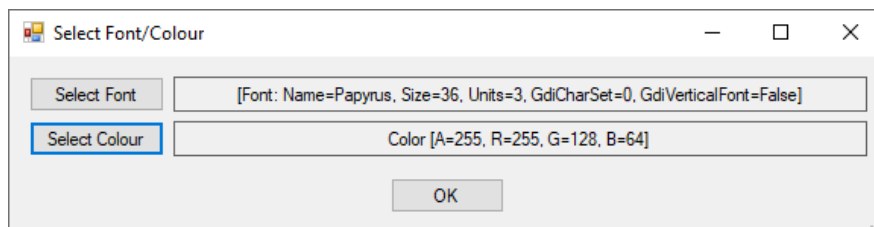
This ICA will give you some experience with creating and using support dialogs and public methods.

Create a C# application that has a single label control as shown below. You will need to change some of the properties of the label control to make it appear as shown:



The starting font and color are your choice but be professional about it!

When the user clicks in the label control, a support dialog will appear as shown:



This support dialog will allow the user to change the font and/or the color of the font. Each 'select' button will start a common dialog that will allow the change. You will add the common dialog components for color and font selection to this support dialog.

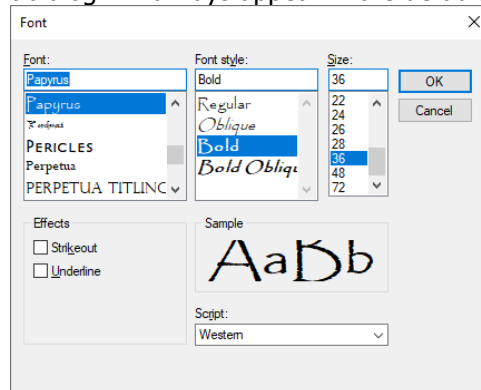
The support dialog will display the string representation of the current font and foreground color found in the label control of the main form. These strings may be generated with the ToString() member of the font and color objects.

You must use public methods for the font and color in the support dialog. The methods will not only set the text in the label controls as shown above but will also set/get the font/color of the common dialogs behind the buttons.

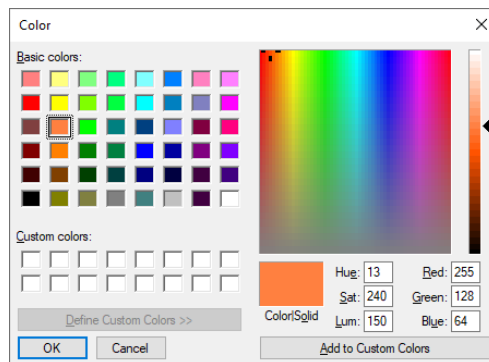
**You must use the font and color members of the common dialogs to store the current font and color – no other members are allowed.**

When the user clicks the 'Select Font' button, the common font dialog will appear. The font name and size will automatically appear in the font dialog. The method you created in the support dialog will set the starting font in the font dialog.

Note: The text in the support dialog will always appear in the default font and color.



When the user clicks the 'Select Color' button, the common color dialog will appear. The color selected in the common color dialog will be the current font color. The method you created in the support dialog will set the starting color in the color dialog. Ensure that you set the properties in the common color dialog to allow full open and any color.



### **Notes:**

Cancelling any of the dialogs with the 'X' button (or cancel button) will not cause changes to the current values.

Selecting 'OK' on the font dialog, the color dialog, or the support dialog will cause the new selection(s) to affect the caller.

A sample of this application (or video) may be available on Moodle.

When you have **FULLY** tested your application, request check-off.

## Rubric- Max Marks: 30

This application will require visual inspection of functionality and code.  
Mark loss is at your instructor's discretion but will be applied consistently across all students.

Item	Marks	Penalties
<b>UI Design (40%)</b> <ul style="list-style-type: none"><li>• UI is as directed.</li><li>• Effective use of space in dialog</li><li>• Initial font and font colour have reasonable defaults.</li><li>• Font and font colour stored in dialog controls (no other members).</li><li>• No change in selections on cancel/close.</li><li>• Support dialog and standard dialogs have appropriate appearance.</li></ul>	4 1 1  2  2  2	
<b>Code Design and Implementation (60%)</b> <ul style="list-style-type: none"><li>• No extra fields added (data stored in appropriate controls)</li><li>• Methods created correct where necessary.</li><li>• All button functions are as described.</li><li>• All operations on all events work as expected.</li><li>•</li></ul>	2  4  6  6	
<b>Documentation:</b> <ul style="list-style-type: none"><li>• Programmer Block</li><li>• Well commented code</li><li>• Appropriate Variable Names</li><li>• Proper spacing between blocks of code</li><li>• Control names are consistent and appropriate.</li></ul>		Penalty -1 to -6 for not meeting documentation requirements