

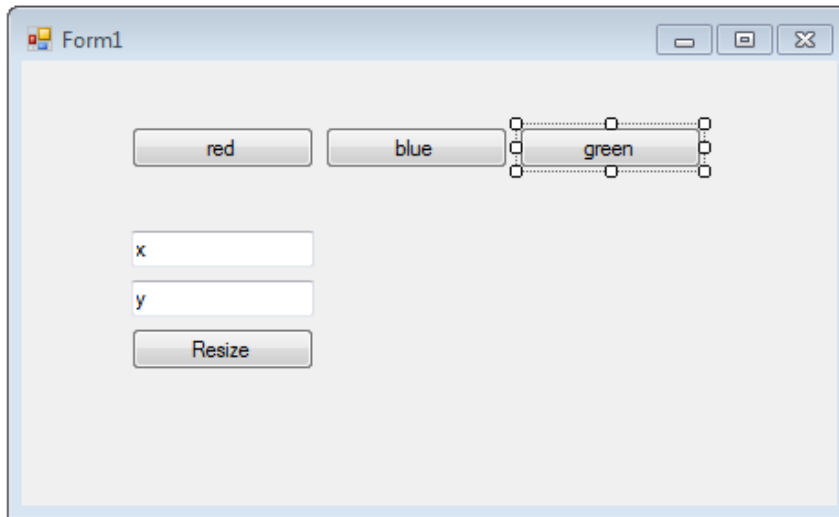
Lab 17 - wb 10/03/14

This week we will look deeper into win forms. Primarily at manipulating the properties of some of the items on our form, but also how to use multiple forms.

Manipulating an items properties

Start off making a form like last week. (remember to save this on the desktop if it does not give you permission to save on your H drive!).

Drag 4 buttons and 2 text boxes onto the form.



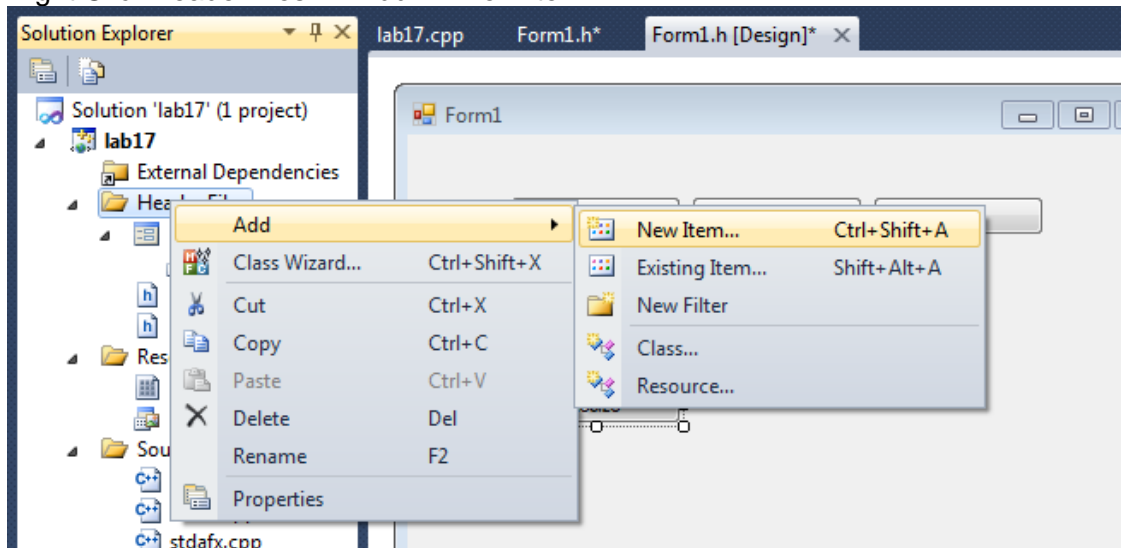
Give the buttons appropriate text and names (remember names are like variables, they should be unique and start with a letter not a number).

Now double click the buttons and add the following code.

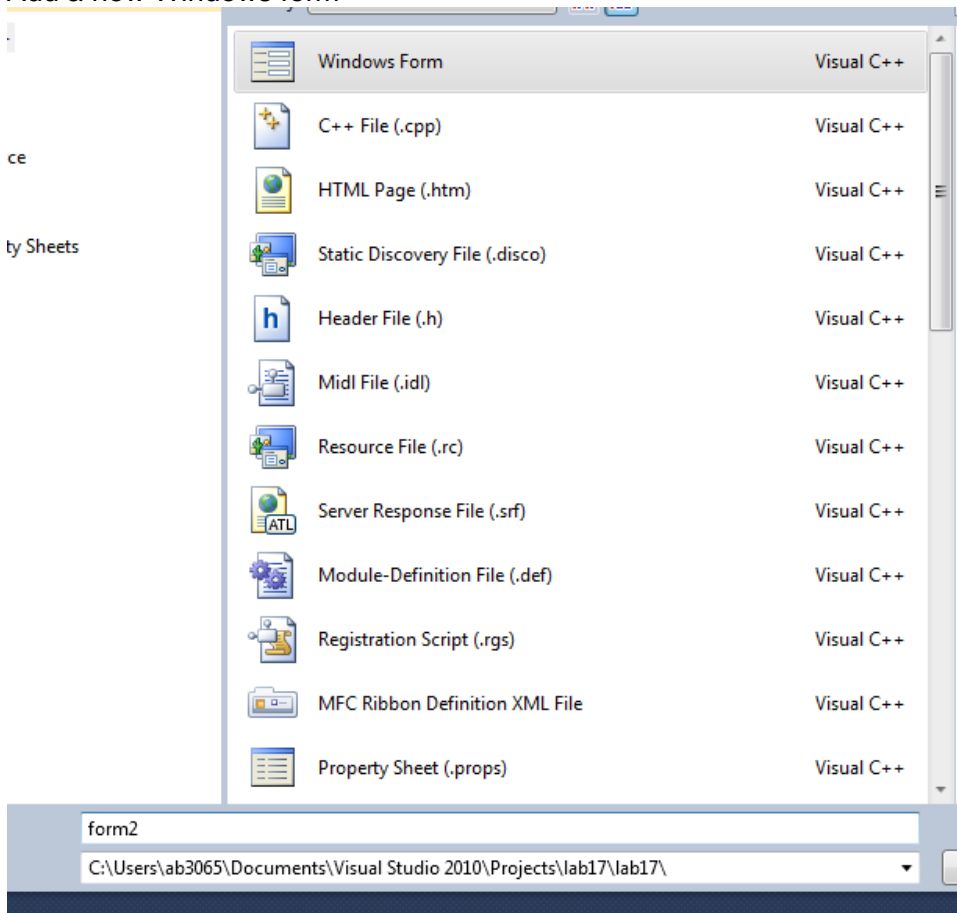
```
private: System::Void resizebtn_Click(System::Object^ sender, System::EventArgs^ e) {  
    int x =System::Convert::ToInt32(this->textx->Text );  
    int y =System::Convert::ToInt32(this->texty->Text );  
    Form1::Size = System::Drawing::Size(x,y);  
}  
private: System::Void redbtn_Click(System::Object^ sender, System::EventArgs^ e) {  
    Form1::BackColor = System::Drawing::Color::Red;  
}  
private: System::Void bluebtn_Click(System::Object^ sender, System::EventArgs^ e) {  
    Form1::BackColor = System::Drawing::Color::Blue;  
}  
private: System::Void greenbtn_Click(System::Object^ sender, System::EventArgs^ e) {  
    Form1::BackColor = System::Drawing::Color::Green;  
}  
};
```

Multiple Forms

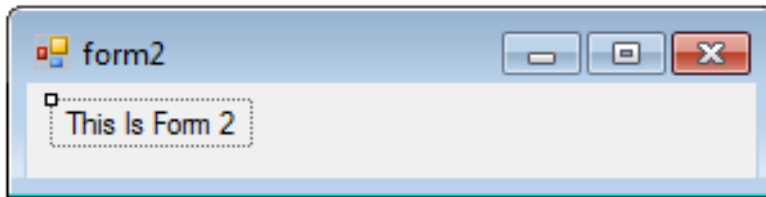
Right Click header files >> Add >> New Item



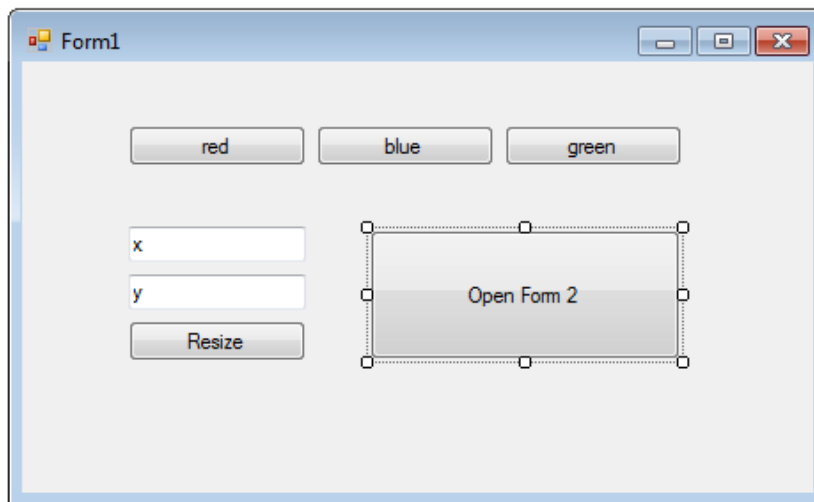
Add a new Windows form



Add something to the second form...



Add a button on form1 to allow us to open the form...



Then include form2 in the form1 header file

```
form2.h [Design]* lab17.cpp Form1
(Global Scope)
#pragma once
#include "form2.h"
namespace lab17 {
```

And add this code to the button to open it!

```
private: System::Void form2btn_Click(System::Object^ sender, System::EventArgs^ e) {  
    form2^ secondform = gcnew form2();  
    secondform->Show();  
}  
};
```

You can even hide the first form using this code...

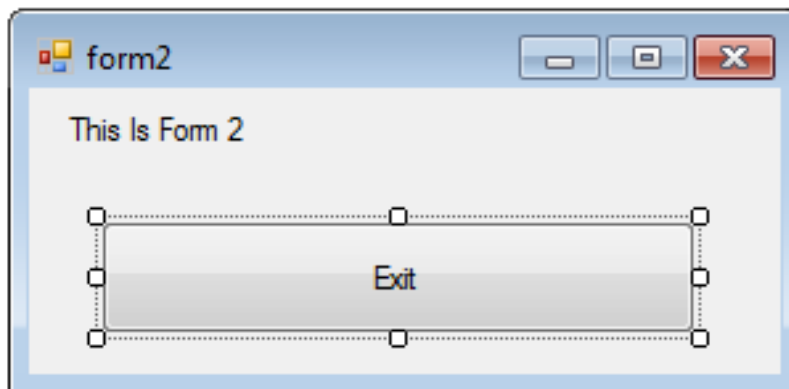
```
this->Hide();  
form2^ secondform = gcnew form2();  
secondform->Show();
```

```
}
```

Exit the Application

You can use code to close the program too,

Add a button to your second form like so...



And use this code with the button to close your application

```
private: System::Void exitbtn_Click(System::Object^ sender, System::EventArgs^ e) {  
    Application::Exit();  
}  
};
```