Activity 1

Ian M. McConihay

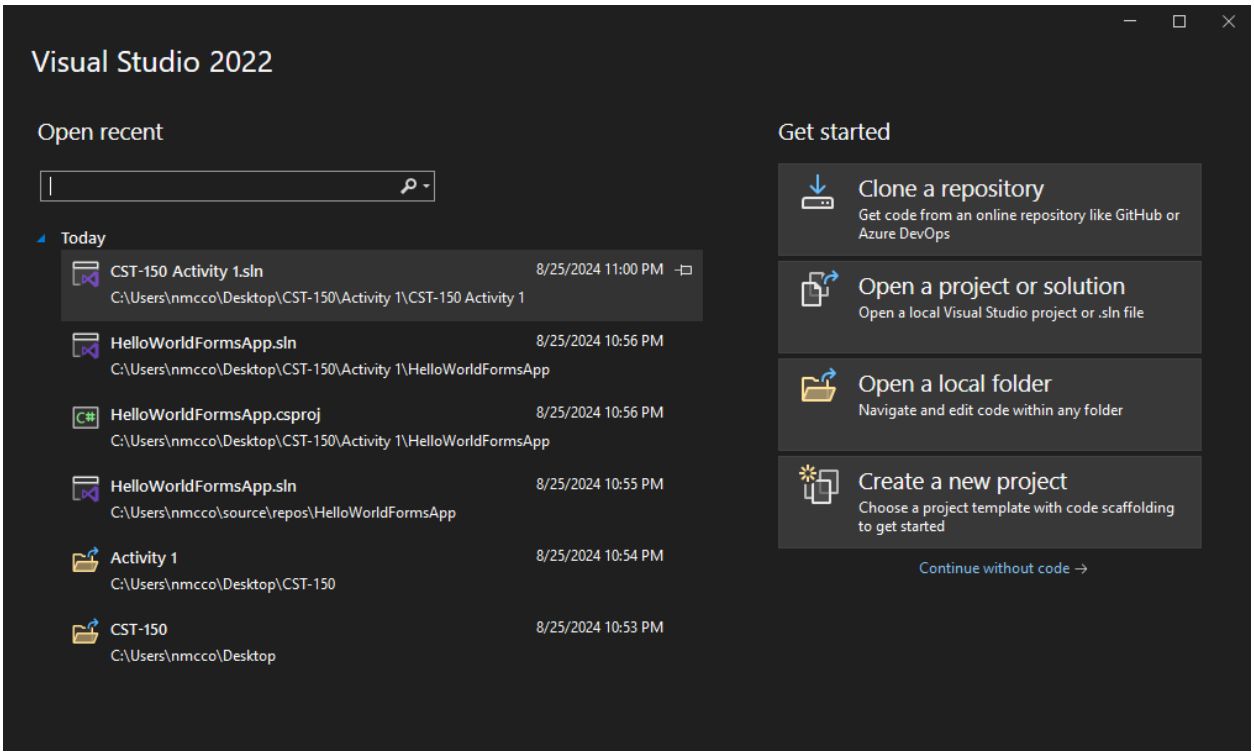
College of Science, Engineering and Technology, Grand Canyon University

CST-150: C# Programming I

Mark Smithers

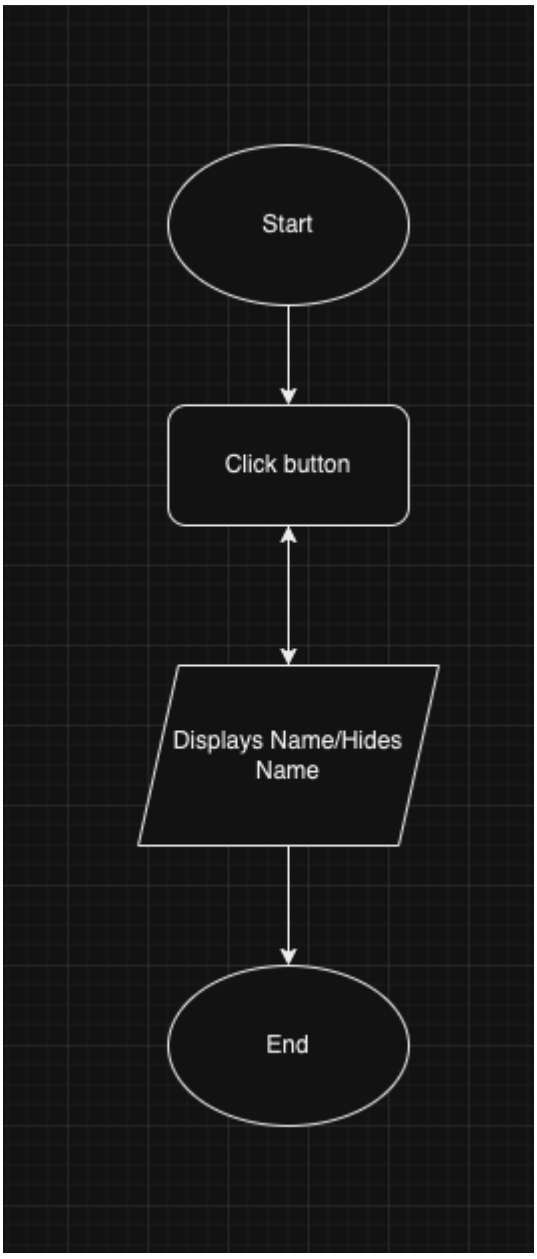
August 11, 2024

Github: https://github.com/Ian-McConihay/CST-150



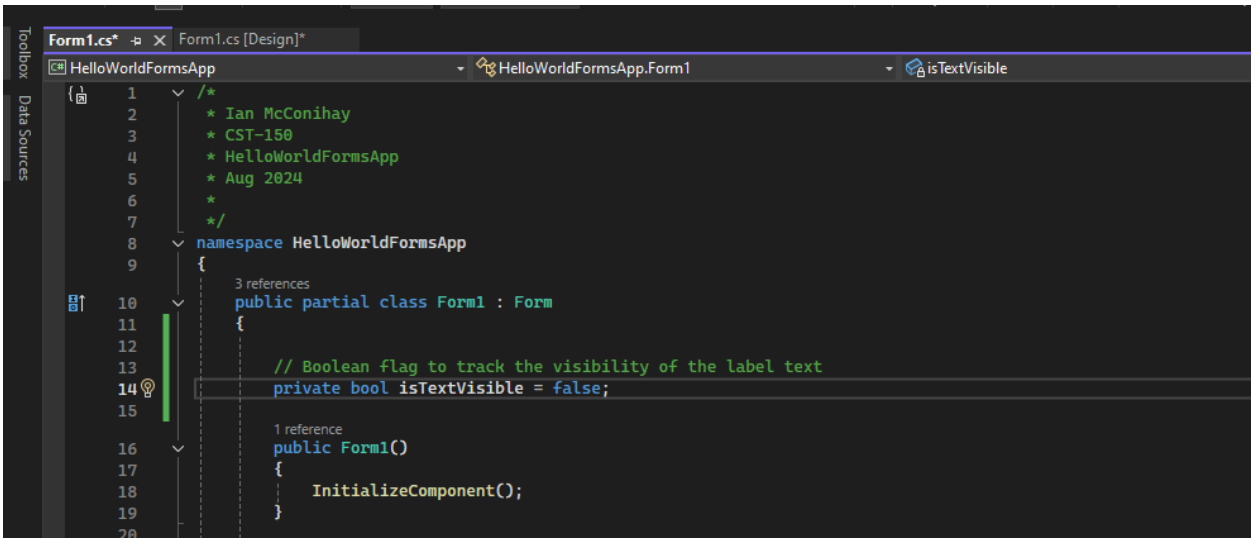
Here is the first screenshot to show I have successfully installed Visual Studio IDE. I took the screenshot post development of the applications to demonstrate that I also installed the desktop development extensions. The installation process was smooth due to my familiarity with the IDE.

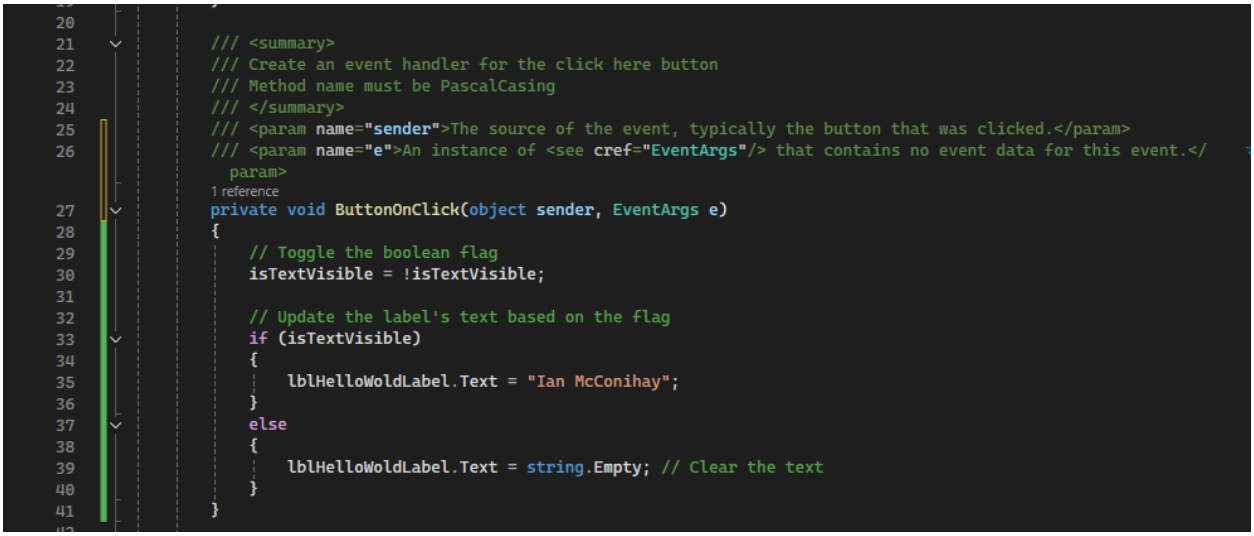
Flowchart



The flow chart for the Activity 1 Part 2 application. This application is a simple click event. The users only option is to click the button to display and hide the displayed text.

Application Screenshots



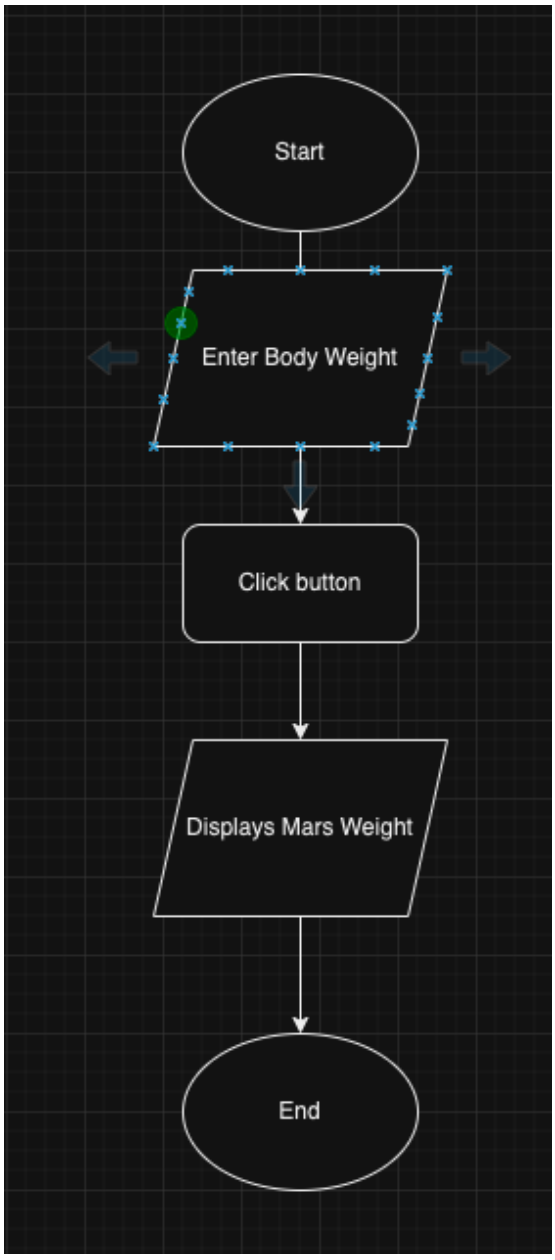


This is my ButtonOnClick method for displaying my name on a label. I went ahead and added an if else block to display the lblHelloWorldLablel whenever I clicked the button again. I inserted a bool variable to be set to false unless the click event for the button was pressed and then set back with another click.

Here I have the application running after U had clicked the button. I configured the display design to highlight an assorted color scheme. I prefer dark mode on about everything so I most likely will stick to a similar theme throughout the course.

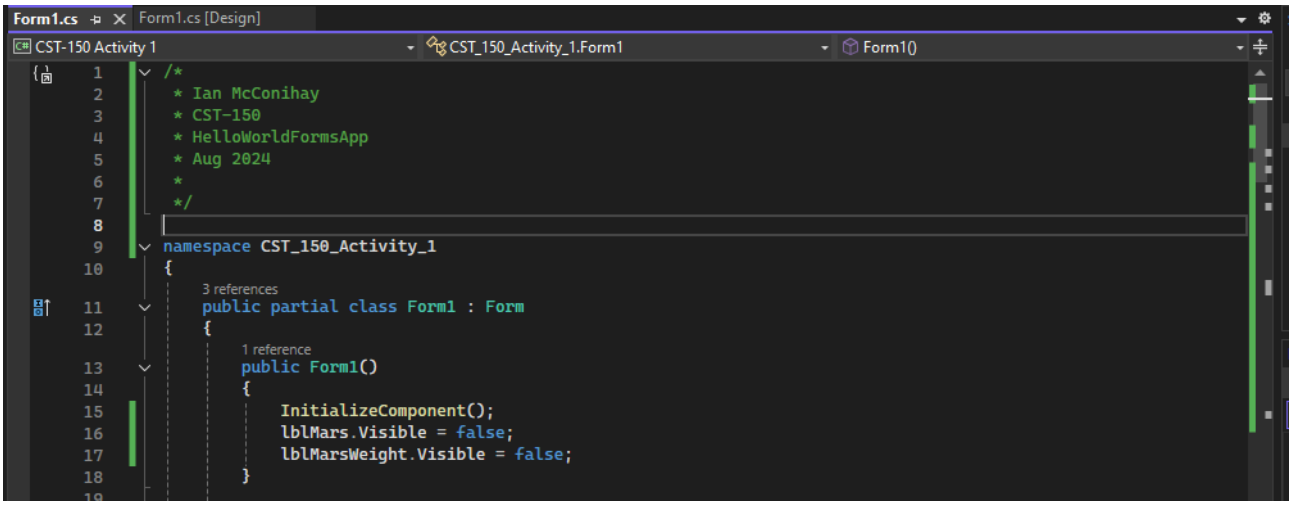
Part 3 of Activity 1

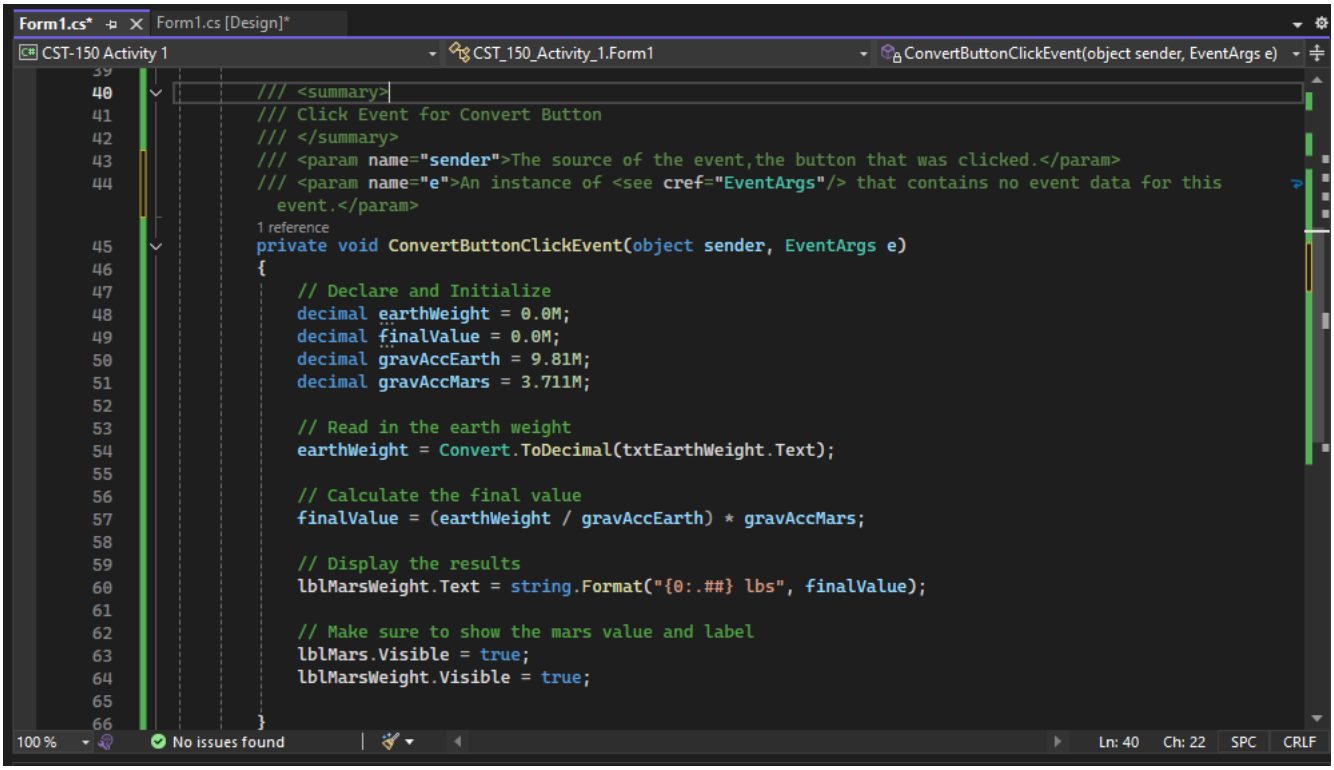
Flowchart



Activity 1 part 3 application required an input field of the user to enter their bodyweight. Once the bodyweight is entered, they can click on the convert button to see their weight being converted into what they would weigh on Mars. A new weight can be converted, or the application can end.

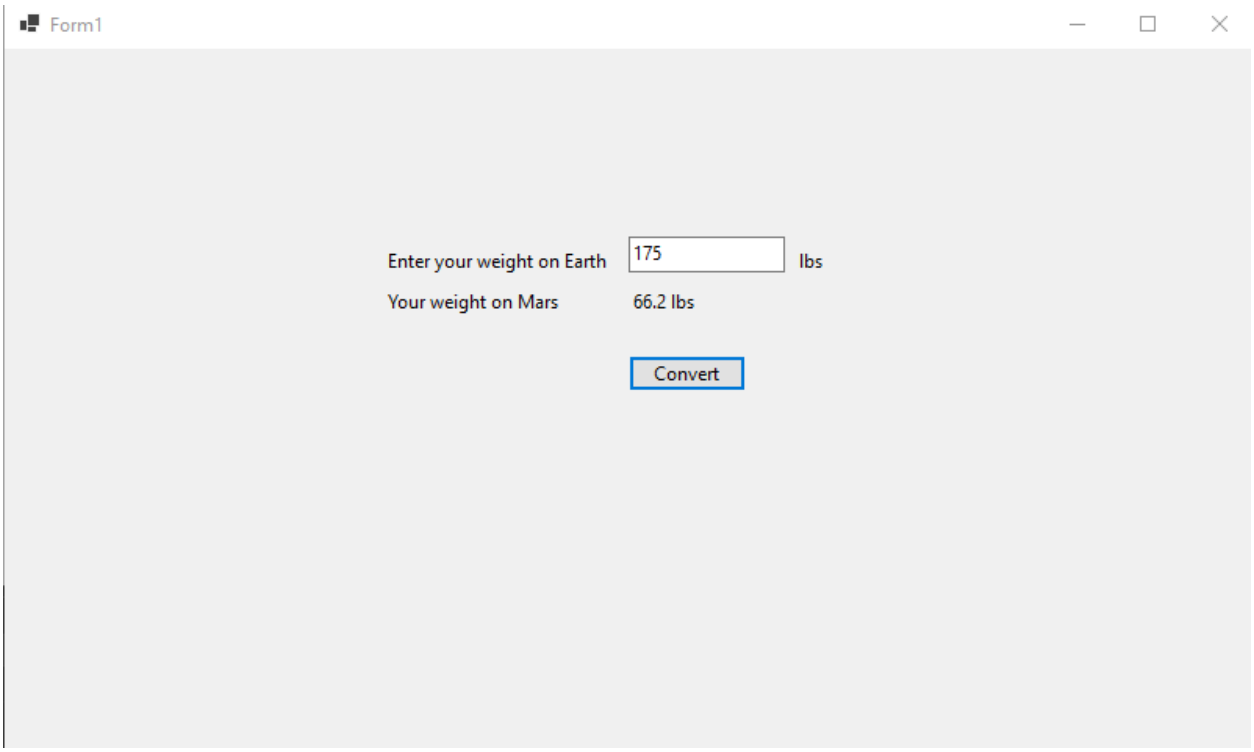
Application Screenshots

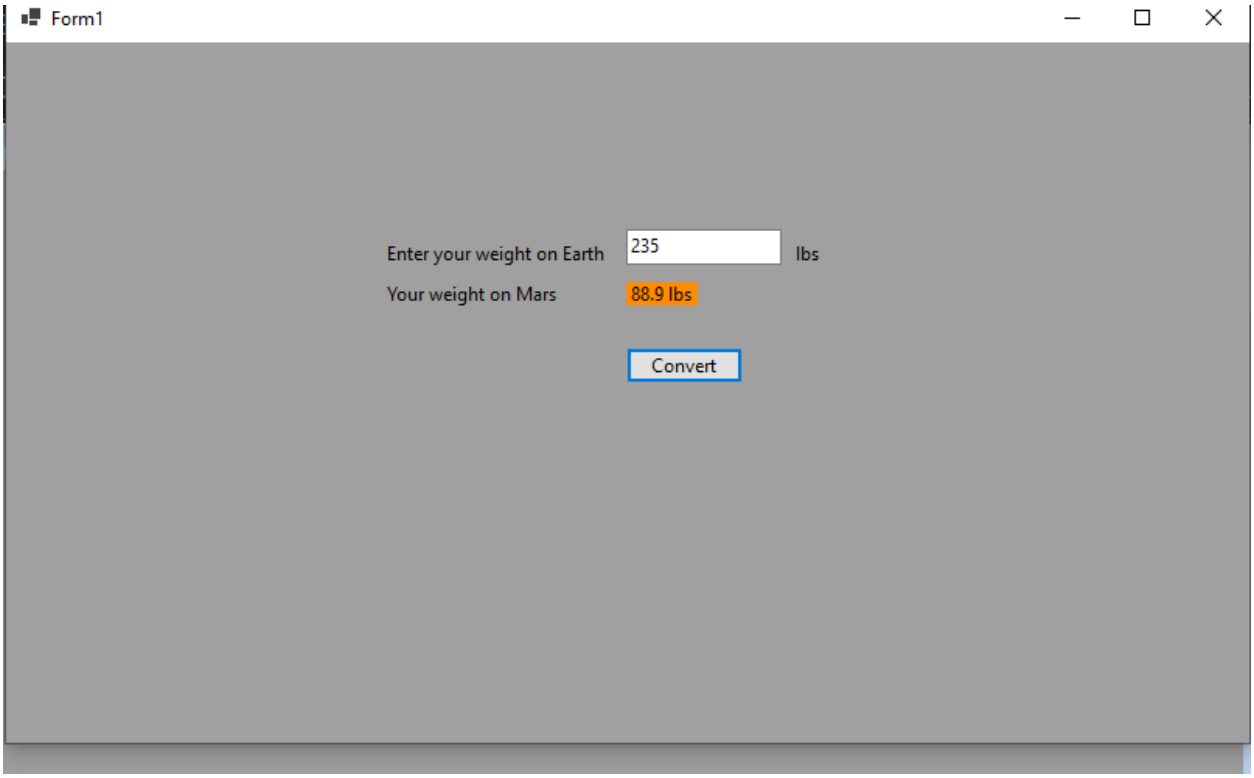




Part 3 of Activity 1 Was to create a convertor for an individual's bodyweight in pounds to be converted to what your weight would be on Mars. After creating and instantiating visibility functions to the label lblMars and lblMarsWeight I was able to work on the method. The

method has variables to store starting weights and conversion variables. Then the logic moved to calculating the finalValue and displaying the results.





With these screenshots I wanted to display two diffrent weights as well as two different color schemes. This is a small demonstration of testing the converter. The darker background is also softer on the eyes.

1. What was challenging?
   It was pretty straightforward.

2. What did you learn?
   I learned about controlling visibility within the form's application.

3. How would you improve on the project?

I would create additional converters that had to do with space. I would also limit what was allowed to be submitted into the textbox

4. How can you use what you learned on the job?

You can use converters for a multitude of reasons. Computing discouts for items, quantify weight limits for truck deliveries, and other several reasons.