GUI Notes on BMI Calculator
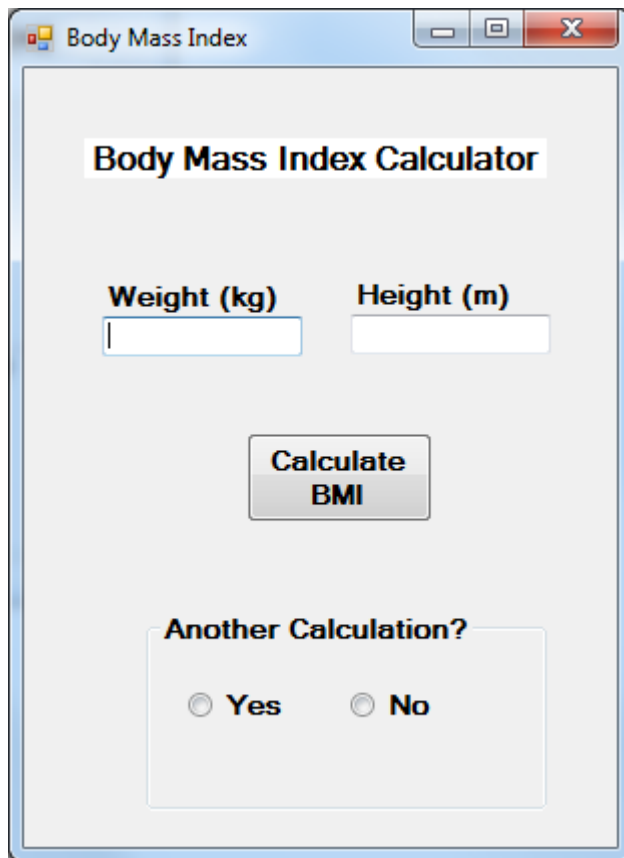
The is a simple form consisting of **three Labels, two TextBoxes, a Button and one GroupBox containing two RadioButtons.**

Initial GUI form – Design view

The Label with text, **Body Mass Index Calculator**, has the following properities set:

BackColor – Button Highlight
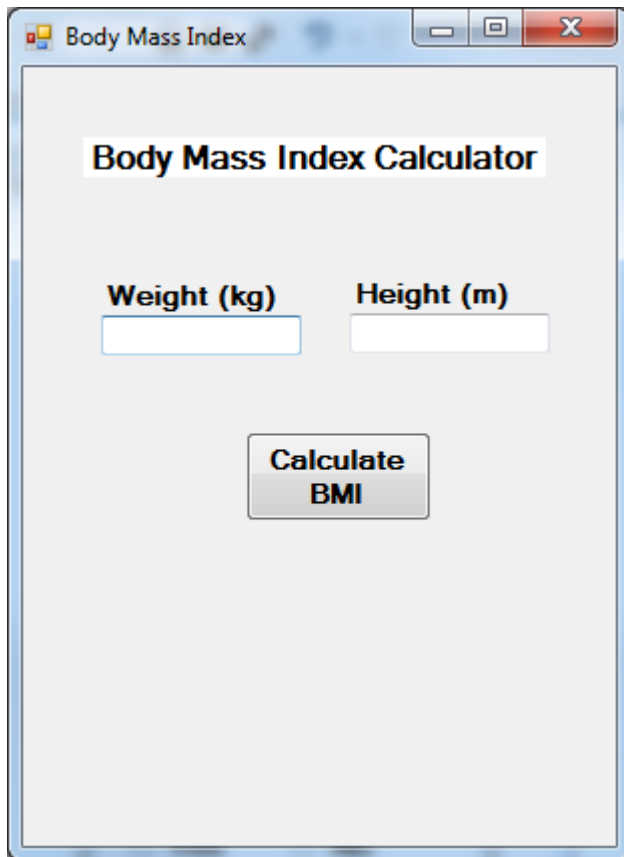
Border Style – Fixed 3D

Font: Size – 14; Bold – True

All other controls have their **Text** property set to **Font: Size – 12; Bold – True**

Be sure to place the **GroupBox** on the form first before adding the **RadioButtons** to it.

When the program starts, note that the **GroupBox** with the heading **"AnotherCalculation?"** is not visible. See next screenshot on page 2.

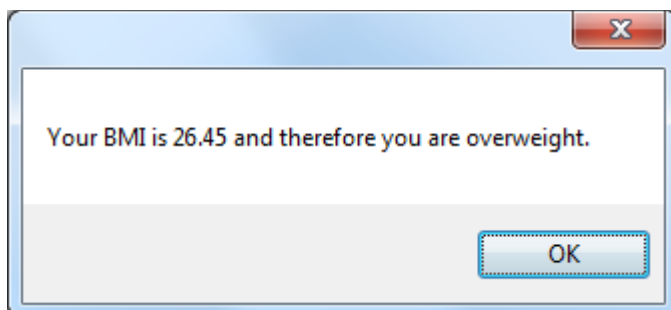Add all of the controls before adding event handlers to vaious controls to perform the required functionality.

GUI form at start of exuction

Do not associate any event handler with the two TextBoxes used to inout the weight and height, but rely on the **"calculate BMI" button click** event handler to initiate checking the values in each of the text boxes are acceptable values.

If either input is not numeric or not in the acceptable range an appriopriate error message is displayed using a **MessageBox**. See screenshots last page.

If the measurements are acceptable then a **MessageBox** is displayed showing the appropriate risk level message.
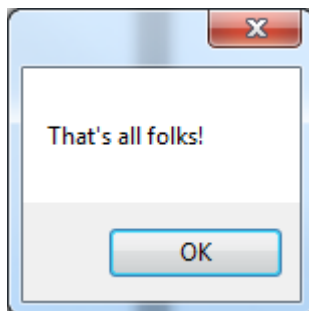

MessageBox displayed as a result of Button click and the measurements are above their respective lower limits

Clciking **OK Button** returns to the form with the **GroupBox** visible, the two **TextBoxes** and the **Calculate BMI** button are not enabled – screenshot next page.

Selecting the **YES** returns the form to its original starting state (screenshot page 2).

Selecting **No** will terminate the program.

The following Messageboxes show typical error messages when the weight or the height are not above their respective limits or when a value is either not a double or no value has been entered.

height must be greater than or equal to 1.2m

OK

value is not numeric

OK