**Design Document for Name Formatter (Week 5 - Assignment #1)**

**Overview**

This program is designed to display a user’s name and title to them after they manually input the text into **TextBox** controls. The program features 6 buttons to change the format of the displayed text in the output box. The user can toggle between each display setting as much as they like and can close the program whenever they want with the exit button.

**Components and Processing**

The program features four **TextBox** controls and prompts the user to input their full name and title into the box. When the user does this, it passes the string of information to a variable for each text box as outlined in the example below:

// Declaring variables from the text input by the user

string title = titleTextbox.Text,

firstName = firstNameTextbox.Text,

middleName = middleNameTextbox.Text,

lastName = lastNameTextbox.Text;

The program will then format the output with concatenation to look something like this on the back-end:

// Displays the full name with the title

nameOutput.Text = title + " " + firstName + " " + middleName + " " + lastName;

And the user will see this processed data as:

Mr. Adam Hamilton Malec (my full name)

**Input and Output**

Users are expected to enter strings of text into the textboxes. The four textboxes should be filled with their preferred title, first name, middle name, and last name.

When the user clicks on a display name button, the program should read that as an opportunity to change the **label** control’s **Text** property from nothing (or something previous) to the format specified in the button’s text.

The user can also click on the “Exit” button, which will run the **Close()** method and terminate the application.

**Testing**

The program appears to work as intended, with no major issues on launch. Even if the user enters numbers or other symbols, the program will explicitly convert the incorrect input to a string and it should not break the program.