COM S 213 – Fall 2004
Assignment #2
OurApp Class
Due September 9, 2004

The main purpose of this assignment is to get you experience with a C++ *class*. You will be solving the same problem you solved in Assignment #1, but will use a *class* to implement the solution.

Create a class named *OurApp* which has one public member function named *run()*. This member function calls other private member functions which, together, implement *5 numbers* program from Assignment #1. You should have private member functions which do the following:

- Read in 5 values from the user
- Present the menu to the user
- Get the user's choice
- Implement the "Add Numbers" feature
- Implement the "Average Numbers" feature
- Implement the "Find Largest Number" feature
- Implement the "Find Smallest Number" feature

Additionally, you are free to create whatever private member variables (and local variables in the member functions) you need, but please be efficient about it!

Your member function which reads the user's menu choice should properly detect when an invalid choice has been entered, and it should continue to prompt until valid data is entered. You **do not** need to account for non-integer data—that is—you may use integer variables when reading in data.

We learned today that classes usually exist in their own files, and not in the "main.cpp" file. For this assignment, you may implement the class (and everything else) in one file instead of using separate files for the C++ *main*() function and the *OurApp* class.

Please contact me with any questions!