***Documentation and Submission Requirements for all programs being turned in from CIS 311***

All programs will have appropriate comments that detail what the program is doing. Header documentation is required at the top of each file (forms and class files), and each sub program should also have header documentation. Here are some examples:

You should put the following heading at the top of each file:

'------------------------------------------------------------

'- File Name : Form1.frm -

'- Part of Project: Assign*X* -

'------------------------------------------------------------

'- Written By: *Your Name* -

'- Written On: *The date you wrote it* -

'------------------------------------------------------------

'- File Purpose: -

'- This file contains the main application form where the -

'- user will input ... -

'------------------------------------------------------------

Whichever file contains the main form or program should have the following documentation at its top:

'------------------------------------------------------------

'- File Name : Form1.frm -

'- Part of Project: Assign*X* -

'------------------------------------------------------------

'- Written By: *Your Name* -

'- Written On: *The date you wrote it* -

'------------------------------------------------------------

'- File Purpose: -

'- This file contains the main application form where the -

'- user will input ... -

'------------------------------------------------------------

'- Program Purpose: -

'- -

'- This program *(whatever the program does…)* -

'------------------------------------------------------------

'- Global Variable Dictionary (alphabetically): -

'- intCounter – Keeps track of the number of items read in. –

'- sngGrandTotal – Total amount of sales dollars read in. –

'------------------------------------------------------------

You should also put documentation at the top of each Sub & Function:

'------------------------------------------------------------

'- Subprogram Name: btnQuit\_Click -

'------------------------------------------------------------

'- Written By: *Your Name* -

'- Written On: *The date you wrote it* -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine is called whenever the user clicks the -

'- quit button. The program will prompt if the user really –

'- wants to quit, and if the user clicks Yes, the program -

'- will terminate. If the user click No, the program will -

'- continue to run. –

'------------------------------------------------------------

'- Parameter Dictionary (in parameter order): -

'- sender – Identifies which particular control raised the –

'- click event -

'- e – Holds the EventArgs object sent to the routine -

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- (None) -

'------------------------------------------------------------

Function headings will look like Sub headings with the addition that you will also document the return type:

'------------------------------------------------------------

'- Returns: -

'- Integer – telling how many records were found -

'------------------------------------------------------------

You should also provide comments where appropriate in your code to make it more readable:

'The next line converts matter into energy

dblEnergy = dblMatter \* (186282)^2

Don’t worry about overcommenting your code – that seldom happens! If you’re in doubt, ask…

Odds and Ends:

1. Each program’s entire project folder should be zipped up and submitted via the assignments tab in Canvas. All other files should be placed in the zip file as I will be compiling and executing the programs myself. Make sure data files are pathed using relative paths to a location within your project. I should not need to edit file paths…if I do, you will lose points!
2. In addition to electronic submission, you will need to print out your program’s source code and screenshots of the program’s execution and turn that in on the due date in class. You will also need to fill out and attach a Program Cover Sheet on each hard copy turned in.
3. If you would prefer to using PascalCasing or pure camelCasing instead of Hungarian Notation, I will allow it – however you will have to use Hungarian Notation in CIS 422/424 so you might want to get used to it! I have posted the Hungarian Notation summary.