FUN WITH FUNCTIONS

Lab 7 Worksheet

**Enhancing your Computer Science Knowledge**

*This section of each lab will involve problems and software that will augment your understanding of concepts that are fundamental to Computer Science.*

***Complete the top-down design diagram on the worksheet.***

**Each box** should contain the name of a function; **each line** should be labeled with a user input that gets the program to that function. Feel free to look at the code in “lab7Enhancing.py” for the function names.



***Print your copy of “lab7Enhancing.py” and attach it to the worksheet.***

**Extending and Expanding:**

*This section of each lab will involve using Python to answer questions and solve problems.*



***Print your new copy of “lab7Enhancing.py” and attach it to the worksheet.***

**Reflection:**

*As always, answer on separate sheets.*

In this lab you developed programs using many functions. What were the advantages to using multiple functions instead of writing just one big function for the whole program? Be specific and thorough, listing as many advantages as you can, considering both the process of writing the program and what might happen with the programs and functions later. Also include any disadvantages you may have noticed.

Your program is not very user-friendly: for example, it only works properly when the user enters valid data; it does not give the user enough help or feedback; etc. If you were going to “release” this program for the general public to use, describe the changes you would make to make it more complete and professional. Try to think of all aspects of a user’s interaction with the program in your answer, and as always, be detailed and thorough.