CIS 1250 Python

final project

# Turn in Requirements:

5 pts. Name your project LastnameFinal, such as GarnerFinal.

# Program Requirements:

1. 5 pts. Write the file name, your name, email address and purpose of the program at the top of your library source code in a comment.

# GarnerP13

# Programmer: Rob Garner

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# Purpose: description of you project

1. 5 pts. Add comments as appropriate. Be sure that your program output is neatly presented to the user. Add documentation comments to your functions.
2. For your final project you will use the skills taught throughout the program to create a program you will come up with.
3. Your program must incorporate the following:
   1. Use of loops and conditionals (while loops and if then for example)
   2. Use of exception handling when getting user input where applicable.
   3. Ability to save and retrieve data using either files and/or databases. For example: if you make a game, save the high score.
   4. Ability to get input from the user, either through a GUI, the console or other method.
   5. Ability to display information, either through a GUI, the console or other method.
   6. Exhibit a reasonable level of complexity. It should be comparable to the last few programing assignments you have completed. Don’t select too difficult a project!
   7. Should, if possible, be related to your degree major.
   8. Raspberry Pi and ArcGIS projects are highly encouraged! If you are doing a Raspberry Pi or ArcGIS project some of these requirements may not make sense. Speak with me if you need to modify requirements.
4. IMPORTANT: If you use other sources (such as on-line tutorials) to create your program you must reference, in your comments, what you used. Include the name of the organization/person who authored the tutorial and provide a url to the website or a reference to the book used. Your project should involve some modifications to this work and state what modification you made.

# Hints

1. Your book has some project ideas.
2. pygame.org has a framework for building games
3. <http://resources.arcgis.com/en/help/main/10.1/index.html#/Introduction_to_arcpy_mapping/00s300000032000000/> has information on programming python for ArcGIS