

Student 1 **Last** Name: Chi

Student 1 **First** Name: Brian

Student 1 ID: 913753059

Student 2 **Last** Name: _____

Student 2 **First** Name: _____

Student 2 ID: _____

INCLUDE this page, the next page, and your solution in your submission

- Your solution **MUST BE TYPED**
- Write your solution with enough detail that the average student could generate a python program from what you have but at a high enough level so that people outside the class can understand what is to be done
 - Focus on what you want to do and not so much on how it should be done as this will help you come up with a more coherent description
- I suggest numbering your steps so that you can refer back to them easily if you want to repeat any of them
- You do **not** need to say anything about getting input/printing output unless input or output is a big focus of the assignment
- You **may** use mathematical operators in your description (+, -, *, etc) but they should be used sparingly if you choose to use them as we are more interested in what you are doing in your program than how you are accomplishing it.
- You **may** assign values to variables to be able to easily reference them later on but this should probably be done sparingly as your answer should not look like code
- You **may** define methods and call them
 - You should probably be doing this quite frequently past the first homework
- You may **not** call builtin functions
 - If you wanted to replace all the A's in a string called myString with B's you would just say "Replace all the A's in myString with B's"

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In order to capitalize only vowels in sentence and lowercase everything else, I did the following:

1. First, I got the user input, and I stored the sentence.
2. Then, I set the entire sentence to lowercase.
3. Then, I checked every vowel, and I looked at the sentence to see if that vowel was in the sentence.
4. If the vowel was in the sentence, I replaced every instance of that vowel in the sentence with it's capitalized version.
5. Finally, I printed out the new sentence with all vowels capitalized, and all consonants lowercase

