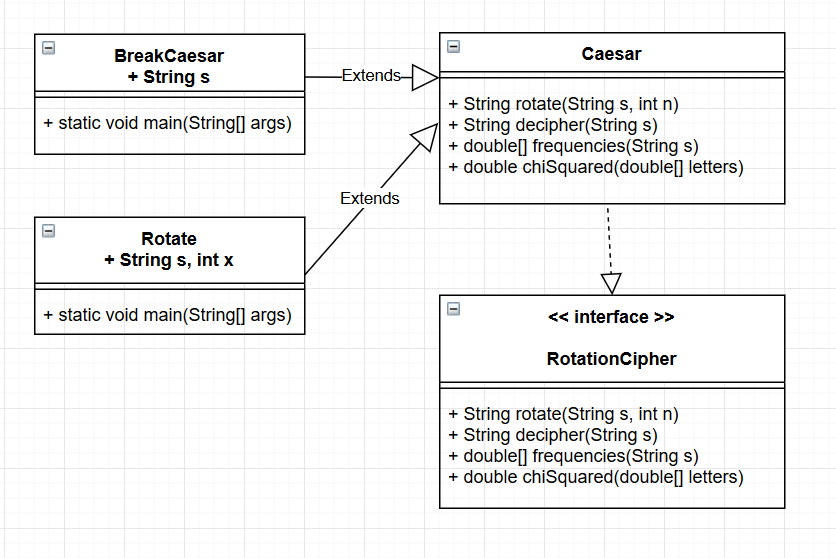
**Comp-122 Assignment 2**

**Andrew Lawler**

**c.** Testing

**d.** Testing

**e.** UML Diagram

**f.** Java Docs

**g.**

If the language we are examining is not English we would need to modify some things. First, we would need to find the language we are examining and find its key attributes. For example, how many letters are in its alphabet, what order are they in and also what are the frequencies for these letters in this language. Once we have this core information we could then implement it in the exact same way I have done for English. I would just have to make the arrays bigger or smaller and change some things. This is what is so good about the program. As long as we find out the languages key attributes, we can decipher anything.

**h.**

The way I have written my program would allow me to calculate a shift for lower case and upper case. All I would do is I would have to use my rotation method and add a counter to show the positions of the lower-case letters and the positions of the upper case letters. I would then need to test all possible rotations of these amounts using my decipher method to then find the compatible rotation to decipher the text. This process would obviously take longer than just a loop of 26 as we would have to test every possible rotation against every possible rotation. Id be looking at two embedded for loops to do this. On-top of this edit, I would have to edit my rotation method to take a second input as the one input n will not be able to apply two different rotations.