Mitch Partee

IT 340 Spring ‘21

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Complexity Summary:

The Cyclomatic Complexity of all but one of the methods in the AreaCalculator Library is 1. The one method that is higher is the getSquareArea method with a string injected. That method has a complexity of 11 for a total complexity of 17.

Every other method in the whole project has a complexity of 1.

The two methods I chose for testing were the getSquareArea(string) and getSquareArea(int) methods. The string overloaded version only has a coverage of 79.07% due to only testing one of the string paths. In this case it was the string “fOur” testing the ToLower() part of the code as well. The 20.93% of the code not covered was from the other 9 string possibilities handled by if-statements. I chose not to write individual tests for those at this time though it might be worth it in future projects.

Short Narrative Summary:

The hardest part of this assignment for me is deciding how to test the methods. The issues I encountered were dealing with all the different input types and needing to Assert to a bool. I’m not even sure the way I chose to do it is right, but all of the tests passed and the logic is sound enough. The one question I keep asking is “How much is too much code for testing?”