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SSW567 HW01

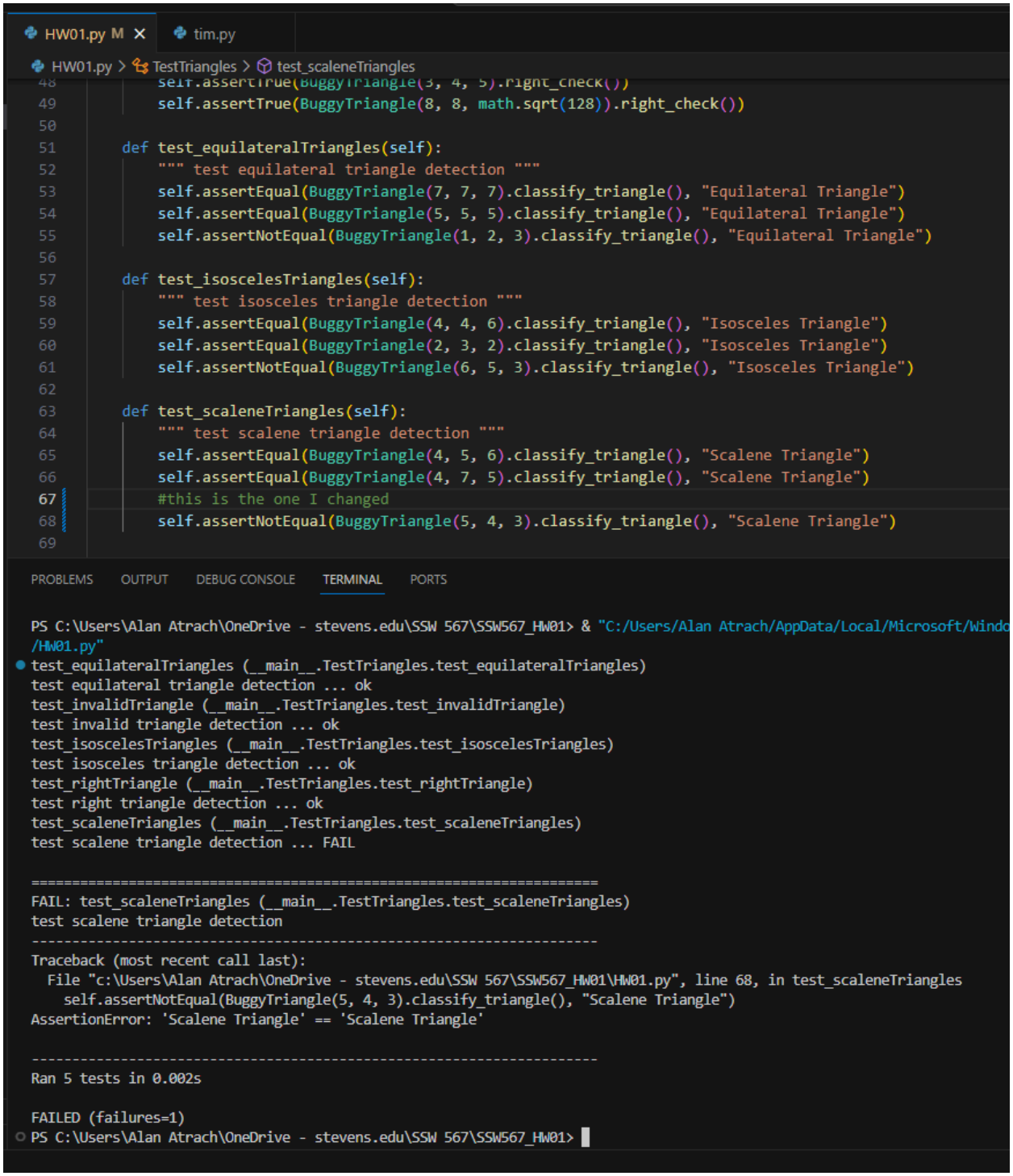
GitHub repo: https://github.com/cespejo15/SSW567_HW01

Although the assignment wasn't particularly difficult, there were a few issues encountered with the testing framework. We were required to adjust the format of the triangle implementation multiple times to better suit the requirements of unittest, first using a single function for all of the triangle detection code but then resorting to a class with multiple functions.

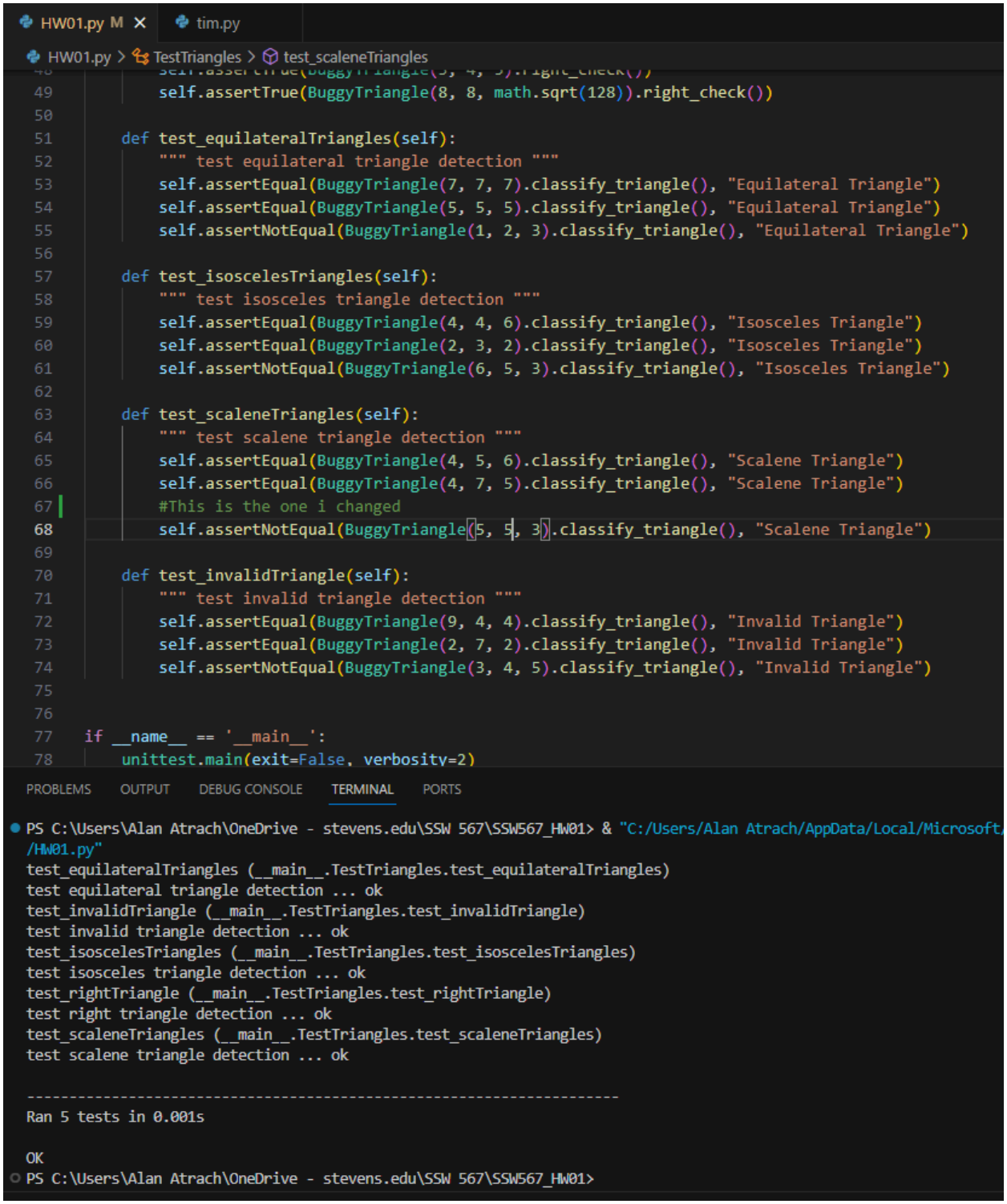
The requirements specification was very self-explanatory. It concisely listed what was required for the assignment, and our code should accurately reflect the requirements.

We encountered a few issues with the unittest. It initially did not work properly with the first implementation of our code. This involved us first using functions and then resorting to a method that used classes. After the code was altered accordingly, the tests seemed to be functional but refused to return a log of results with the docstrings. We eventually got it to work properly.

We determined that three tests for each case were sufficient. Each aspect of the code had two different, but valid, test cases; this demonstrates the ability of the test cases to verify the purpose of the function. Furthermore, the last test case of each triangle detection set of tests was an invalid one to prove that the code truly and effectively evaluates the inputs. Overall, we knew this amount of test cases was enough to prove we adequately tested our triangle detection code.



This is a screenshot of the code with an intentional testing error to confirm that the unittest is working correctly.



These are the test cases in working order.