

SSW-567 Software Testing, QA and Maintenance

HW-02A

Aruneshwar Nalluri

“I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination. I further pledge that I have not copied any material from a book, article, the Internet or any other source except where I have expressly cited the source“

1. Assignment Description:

We learn from this assignment that we don't always get to start code from scratch and we inherit code from other people and some times its not perfectly working code that we need to work on.

We need to add new test cases to them to see if the found defects are the only once existing or there are additional defects hiding in the code that need to be found out.

Once more bugs are found by adding additional testcases we can then go check the code and then fix the bugs found in the code by changing it.

2. Author: Arun Nalluri

3. Summary:

GitHub URL: <https://github.com/NAruneshwar/Testing>

Test Driven debugging and development are a very effective way of developing bug free code, when we have inherited a buggy project as demonstrated with this assignment first writing test cases and then going on to fix code is an efficient and effective way of resolving issues.

4. Detailed Result:

Test ID	Input	Expected Results	Actual Results	Pass or Fail
testRightTriangleA	(3,4,5)	Right	InvalidInput	Fail
testRightTriangleB	(5,4,3)	Right	InvalidInput	Fail
testEquilateralTriangleA	(111,111,111)	Equilateral	InvalidInput	Fail
testIsoscelesTrianleA	(3,3,2)	Isosceles	InvalidInput	Fail
testScaleneTriangleA	(10,15,12)	Scalene	InvalidInput	Fail

testInvalidInputA	(-1,-1,-1)	InvalidInput	InvalidInput	Pass
testNotATriangleA	(5,1,1)	NotATriangle	InvalidInput	Fail
testNotATriangleB	(1,5,18)	NotATriangle	InvalidInput	Fail

	Test Run 1	Test Run 2
Tests Planned	8	8
Tests Executed	8	8
Tests Passed	1	8
Defects Found	7	0
Defects Fixed	0	7

Test ID	Input	Expected Results	Actual Results	Pass or Fail
testRightTriangleA	(3,4,5)	Right	Right	Pass
testRightTriangleB	(5,3,4)	Right	Right	Pass
testEquilateralTriangleA	(111,111,111)	Equilateral	Equilateral	Pass
testIsoscelesTrianleA	(3,3,2)	Isosceles	Isosceles	Pass
testScaleneTriangleA	(10,15,12)	Scalene	Scalene	Pass
testInvalidInputA	(-1,-1,-1)	InvalidInput	InvalidInput	Pass
testNotATriangleA	(5,1,1)	NotATriangle	NotATriangle	Pass
testNotATriangleB	(1,5,18)	NotATriangle	NotATriangle	Pass