1. **Assignment Description**

* Identify appropriate test strategies for the Triangle problems.
* Test the program and find bugs to be corrected.
* Write test cases to fix the bugs in the program.

1. **Author(s)**

Rafif, Maha, Danielle, Pranay

1. **Summary**

**Language used:** python

**Development environment:** Canopy

**Test tool:** UnitTest

The program identifies a triangle type (right, equilateral, scalene, isosceles) based on given inputs of the lengths of the sides. The test cases included different possible inputs including 0, negative values and positive values that cannot form a triangle.

We have learned how to use UnitTest for Python and the configuration management system (GitHub) for continuous integration.

**Buggy Test Report**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Input | Expected Results | Actual Results | Pass or Fail |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Improved Test Report**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Input | Expected Results | Actual Results | Pass or Fail |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Test Report Summary**

|  |  |  |
| --- | --- | --- |
|  | Test Run 1 | Test Run 2 |
| Test Planned |  |  |
| Tests Executed |  |  |
| Tests Passed |  |  |
| Defects Found |  |  |
| Defects Fixed |  |  |

1. **Team Member Roles and Contributions**

**Rafif and Danielle found the bugs, fix them and wrote the test cases to classify triangle. Maha and Pranay review the fixed program and wrote the Project report.**

1. **Honor pledge**

**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. <https://github.com/Malidrisi/SSW567-MRD/blob/master/buggy%20Triangle%20fixed.py>