

# System Test Plan for TriangleType

The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C. You will need to fill in your Actual Results and write the three additional tests (highlighted in **yellow**).

| Test ID                   | Description   | Expected Results     | Actual Results       |
|---------------------------|---|----------------------|----------------------|
| Test-Invalid-Line         | <i>Preconditions:</i> TriangleType program started  | Not a valid triangle | Not a valid triangle |
| Author: Dr. Schmidt       | Triangle program provides the type of any triangle.<br>Please enter the lengths of sides a, b, and c.<br>Enter a: <b>5</b><br>Enter b: <b>5</b><br>Enter c: <b>10</b> |                      |                      |
| Test-Invalid-NegativeA    | <i>Preconditions:</i> TriangleType program started  | Not a valid triangle | Not a valid triangle |
| Author: Dr. Schmidt       | Triangle program provides the type of any triangle.<br>Please enter the lengths of sides a, b, and c.<br>Enter a: <b>-5</b><br>Enter b: <b>5</b><br>Enter c: <b>5</b> |                      |                      |
| Test-Equilateral-Triangle | <i>Preconditions:</i> TriangleType program started  | Equilateral triangle | Equilateral triangle |
| Author: Dr. Schmidt       | Triangle program provides the type of any triangle.<br>Please enter the lengths of sides a, b, and c.<br>Enter a: <b>5</b><br>Enter b: <b>5</b><br>Enter c: <b>5</b>  |                      |                      |

| Test ID  | Description   | Expected Results     | Actual Results       |
|--|---|----------------------|----------------------|
| Test-Scalene-Triangle<br><br>Author: Anthony Du & Dominic Pupo   | <i>Preconditions:</i> TriangleType program started<br><br>Triangle program provides the type of any triangle.<br>Please enter the lengths of sides a, b, and c.<br>Enter a: <b>5</b><br>Enter b: <b>6</b><br>Enter c: <b>7</b>  | Scalene Triangle     | Scalene Triangle     |
| Test-Isosceles-Triangle<br><br>Author: Anthony Du & Dominic Pupo | <i>Preconditions:</i> TriangleType program started<br><br>Triangle program provides the type of any triangle.<br>Please enter the lengths of sides a, b, and c.<br>Enter a: <b>5</b><br>Enter b: <b>5</b><br>Enter c: <b>9</b>  | Isosceles Triangle   | Isosceles Triangle   |
| Test-Invalid-Zero<br><br>Author: Anthony Du & Dominic Pupo       | <i>Preconditions:</i> TriangleType program started<br><br>Triangle program provides the type of any triangle.<br>Please enter the lengths of sides a, b, and c.<br>Enter a: <b>10</b><br>Enter b: <b>5</b><br>Enter c: <b>0</b> | Not a valid triangle | Not a valid triangle |