L3-IT-U13-ST-SA2 Software Requirements

Requirement 1: The title should be displayed and the user should be able to choose between rectangles and triangles. They should be able to enter *0* to exit the program, *1* to choose rectangles and *2* to choose triangles.

Requirement 2: Should the user choose a number which is not *0*, *1*, or *2*, they should be prompted to enter their choice again without redisplaying the title.

Requirement 3: Upon choosing rectangles, the user should be able to enter the width and height of the rectangle as integers.

Requirement 4: Upon choosing triangles, the user should be able to enter the length of all three sides of the triangle as integers.

Requirement 5: After entering the dimensions of the shape, the area and perimeter of the shape should be displayed to the user after less than a second's delay.

Requirement 6: The area of triangles should be displayed to *__two__* decimal places.

Requirement 7: After the area and the perimeter of the shape are displayed, the title should be redisplayed and the user should be able to choose to enter the dimensions of another shape or exit the program.