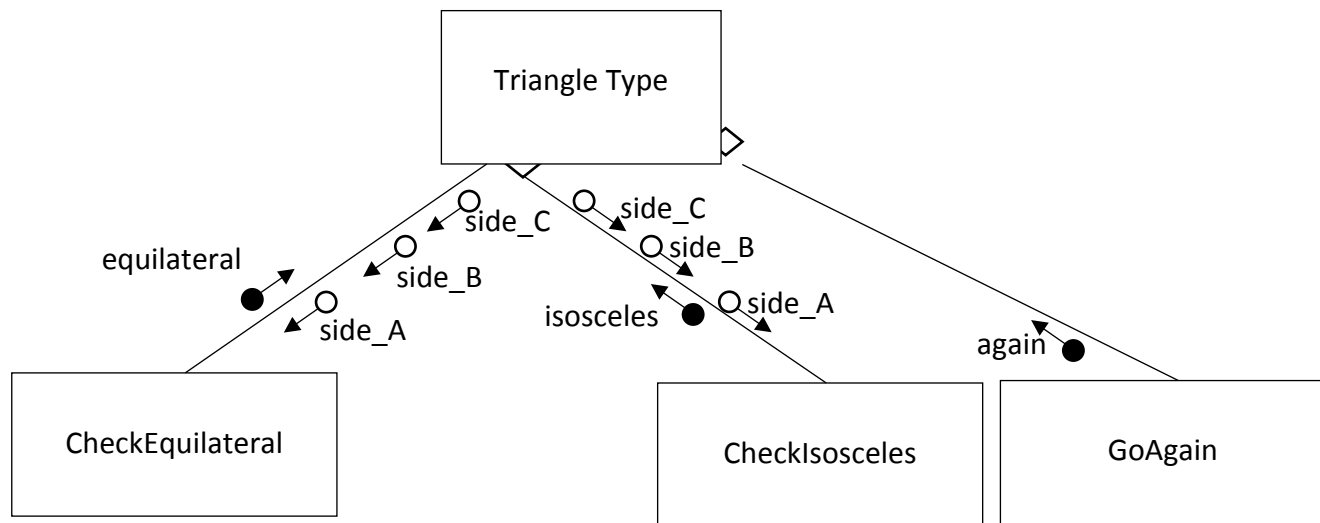


Structure Chart



Mainline Algorithm

```

BEGIN TriangleType
  Repeat = True
  WHILE Repeat = True
    Read side_A
    Read side_B
    Read side_C
    equilateral = Check equilateral(side_A, side_B, side_C)
    IF equilateral THEN
      triangleType = "equilateral"
    ELSE
      isosceles = Check isosceles (side_A, side_B, side_C)
      IF isosceles THEN
        triangleType = "isosceles"
      ELSE
        triangleType = "scalene"
      END IF
    ENDIF
    Display triangleType
    Repeat = Go Again()
  ENDWHILE
END TriangleType
  
```

Question 2 Answer

```
Equilateral? True  
Isosceles? True
```

Both do return true, which is technically correct, but we don't want the program to get confused. Thankfully this (for me) won't be an issue as it checks if the triangle is equilateral first, and then checks if the triangle is isosceles or scalene. Because of it checking first if both are true it isn't a problem because if the triangle is a equilateral it will skip all the checks for isosceles and scalene, so if it is equilateral that is the only thing tested.