

# SENG2200 Programming Languages and Paradigms

## Programming Assignment 1 – Feedback

**Student Number: c3331532**

### **Program Correctness:**

Data Classes:

Point: 10/10

Polygon: 15/15

ComparePoly Interface: 10/10

Data Structure:

MyPolygons (including Node) 25/35

I/O:

Output Correctness: 6/10

(input correctness is part of Other: )

### **Report:**

Report task: 6/10

### **Miscellaneous:**

Code and Comments Form: 10/10

### **Deductions:**

Late: /0

Coversheet: /0

Other: (see Feedback – includes not following specifications,  
non-compiling or crashing submissions, etc) /0

**Total: 82/100**

### **Feedback:**

Code: MyPolygons fails to setup the correct CDLL w/ sentinel relationship, simply instantiating a sentinel, but not setting the circular next/prev relationships. Sort method in MyPolygons does not sort! See output below!  
I/O: Sorted List isnt sorted - see below. Report: does not explicitly address the requirement to "Keep track of ... how many errors you need to correct." and "Keep a log of what proportion of your errors come from design errors and what proportion from coding/implementation errors.", lacking even an estimated error total (of all types of errors - design, implementation, syntax). No clear 'proportions' (or percentages) provided. You had NO syntax errors at all when impementing? Form: OK.

...\A1\3331532>java PA1 ../db.txt

Unsorted List:

[(0.00, 0.00)(0.00, 2.00)(2.00, 2.00)(2.00, 0.00)]: 4.00

[(1.00, 1.00)(1.00, 3.00)(3.00, 3.00)(3.00, 1.00)]: 4.00

[(4.00, 0.00)(4.00, 8.00)(7.00, 8.00)(7.00, 3.00)(9.00, 0.00)(7.00, 1.00)]: 24.50

[(-3.00, 0.00)(2.00, 4.00)(3.00, 1.00)(-4.00, -3.00)]: 18.00

[(2.35, 4.47)(5.34, 3.35)(3.65, 2.24)(4.35, 1.34)(2.11, 1.48)]: 5.78

[(5.00, 11.00)(12.00, 8.00)(9.00, 5.00)(5.00, 6.00)(3.00, 4.00)]: 30.00

[(4.00, 0.00)(4.00, 8.00)(7.00, 8.00)]: 12.00

Sorted List:

[(-3.00, 0.00)(2.00, 4.00)(3.00, 1.00)(-4.00, -3.00)]: 18.00

[(4.00, 0.00)(4.00, 8.00)(7.00, 8.00)(7.00, 3.00)(9.00, 0.00)(7.00, 1.00)]: 24.50

[(5.00, 11.00)(12.00, 8.00)(9.00, 5.00)(5.00, 6.00)(3.00, 4.00)]: 30.00

[(0.00, 0.00)(0.00, 2.00)(2.00, 2.00)(2.00, 0.00)]: 4.00

[(1.00, 1.00)(1.00, 3.00)(3.00, 3.00)(3.00, 1.00)]: 4.00

[(2.35, 4.47)(5.34, 3.35)(3.65, 2.24)(4.35, 1.34)(2.11, 1.48)]: 5.78

[(4.00, 0.00)(4.00, 8.00)(7.00, 8.00)]: 12.00