

# SENG2200 Programming Languages and Paradigms

## Programming Assignment 1 – Feedback

**Student Number: c3339952 (Watson, Stephen)**

### **Program Correctness:**

Data Classes:	
Point:	10/10
Polygon:	15/15
ComparePoly Interface:	10/10
Data Structure:	
MyPolygons (including Node and Sort)	23/35
I/O:	
Output Correctness:	10/10
(input correctness is part of Other: )	

### **Report:**

Report task:	5/10
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### **Miscellaneous:**

Code and Comments Form:	10/10
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### **Deductions:**

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

**Total:      83/100**

### **Feedback:**

Code: Node is default instantiating an empty Polygon object as the data - this means you can not set a node up as a 'proper sentinel', as a sentinel NEVER has a payload! Sorting task, just does an internal sort called insertSort(), and returns a new MyPolygons - there is no way to add individual Polygon objects to a new MyPolygons in order. MyPolygons fails to implement a method corresponding to the specification "take (then remove) an item from the head of the list" - method void takeAndRemove() just deletes both the node and the data, without returning the data item. I/O: OK, tho watch the defined spacings in the future. Report: Needs formatting as a report - Title, Author, clearer sections, etc... Does not explicitly address the report task "Keep track of how much time you spend designing, coding and correcting errors, and how many errors you need to correct." - there is combined data for design, code and coding, which is not the spirit of the requirement - there is no error data provided. Does not explicitly address the report task "Keep a log of what proportion of your errors come from design errors and what proportion from coding/implementation errors." - there are no proportions provided, just dot points with some vague approximations ('few', 'several', etc). Section 3 is a bit short on detail. Form: OK.