Assignment 2 Report

6/5/2019

The first task I assigned myself (after the initial shock of realising the ACTUAL due date) was to modify the Polygon class and to create the additional shape classes. These included the **abstract** PlanarShape class, and the Circle and SemiCircle classes. This was simple – the methods for the Circle and SemiCircle classes already existed in the Polygon class, albeit slightly modified for the new classes.

All told, I had only minor syntax errors and the revising and coding took 75 minutes.

The next step was to alter my LinkedList class. I removed the current Node variable and any unnecessary methods as per specifications. This included all methods that would be superseded by the iterator: front(), next(), end(), getHead(), getTail(), and insert() (as this was heavily dependent on the current Node). I made no adjustments to the main() method, electing to fix them in the next stage.

Additionally I updated the existing prepend() and append() to properly centre around the sentinel node, as the previous LinkedList erroneously was a **non**-circular doubly-linked list.

This all took another 75 minutes.

8/5/2019

I focused on Part B today.

9/5/2019

10/5/2019

My final major task was to debug the Iterator. No amount of online searching could help; the iterator refused to work at runtime. This took 5 more hours.

In the end I reverted my code back to the original method, skipping the iterator – and perfectly aware that this would result in 0 marks, based on the submission date. This took 30 minutes.