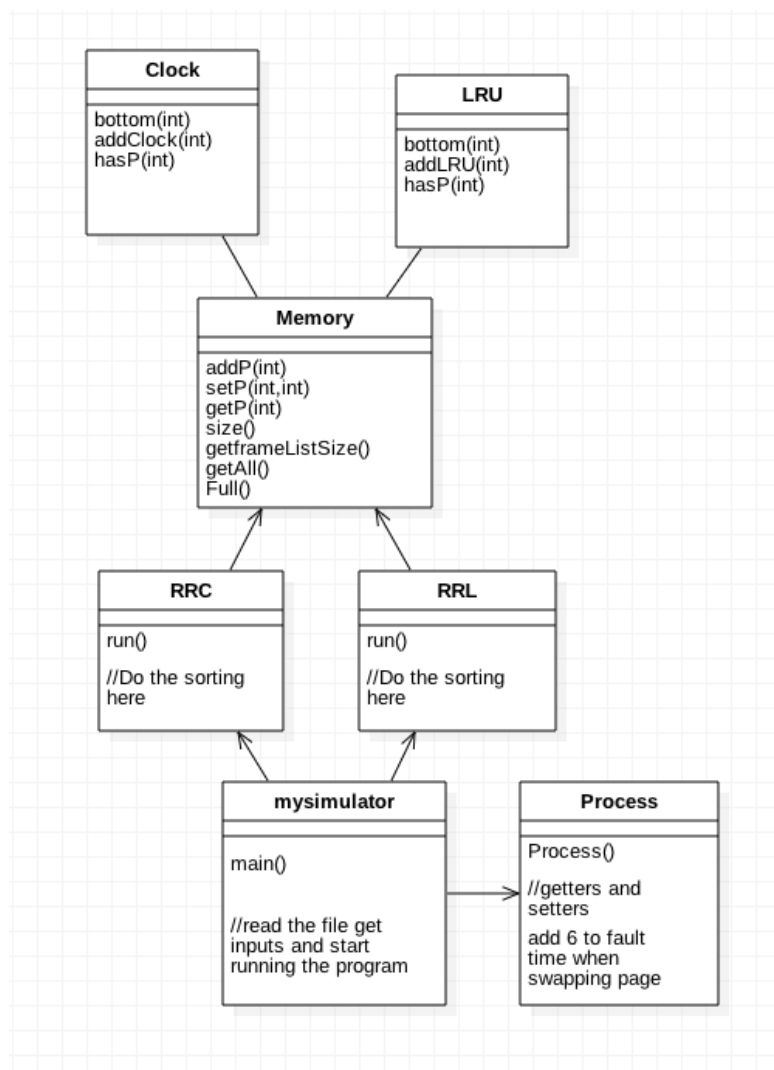


COMP 2240 – Operating System

In this program, I used linked list to store the input, so it will be sorted in order. Then put them into an object called Process. As the process will clear after it finished the LRU scheduling, so Clock and LRU scheduling have different scheduling and memory.

To test my codes, I print the cup time and ready queue, and compare it to the Gantt diagram. Also, I will output every numbers in each stage to make sure I did the right thing.

The problem I met in this assignment is the Round Robin, it takes me time to figure out how to implement the quantum, which makes me got wrong fault numbers. To solve it I used the function “Debug” in IntelliJ, scan the code step by step and figure out when the code start goes wrong. As it will show the number stored in the variables I created, so I can track all the numbers, without printing out all the stuff.



To be clear, I have made a simple class diagram shown above, before I start coding, to make sure I get all the requirements done, and tell myself what to do in the class.