
Professional Integrity Report (CPS101)

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Assignment #: 8

It took me 5 hours to complete the assignment.

Other than the textbook and class materials, I received the following help and referenced these resources (provide the details on what you have borrowed and learnt from each).

I used stack exchange to remind me how to implement a comparable interface to a class where that class is being compared. I forgot about the syntax: `-class- implements Comparable<-class->` but got there. I also went online to remind myself of the differences in UML arrows

These parts of the program work well:

the Driver app successfully adds patient objects to the pQueue and takes them into care according to their priority.

These parts of the program don't work well (please identify the specific problem):

I couldn't get the while loop checking "`!patientQueue.isEmpty()`" to work the way I wanted it too. It would still iterate through the loop and try to execute methods on null patients. I ended up just setting the while loop condition to "`true`" and then if the dequeued patient was null it would break out of the loop.

I learnt the following in doing the assignment:

I gained more comprehension on generics and Comparable objects. I learned how to implement a comparable interface to an object so that I can personalize how an object gets compared to another.

The difficulties I encountered were:

My difficulties near the beginning was just about trying to find the best way to make the MaxHeap and PriorityQueue classes generics without unnecessarily extending those classes

Here are some other comments or suggestions: