

Learning Experience:

I didn't know much about ADT queues before starting this assignment. This wasn't something we had learned in CMSC 203. I learned that the operations enqueue adds while dequeue retrieves and removes. It operates on a first in and first out system. The item that is added first is at the front of the queue and the item added last is at the back of the queue. This is mainly used within operating systems and simulating real world events. I also learned about priority queue and how it organizes objects according to their priorities. The priority depends on the nature of the items in the queue, similar to how a hospital is run. Overall, I found this exercise to be fairly straight forward. The powerpoint did a great job of explaining queues and how to code each method. I found your waiting line example in the powerpoint to be very helpful in giving us a guideline to follow and understand.

Assumptions:

For my `ArrayQueue.java` and `QueueInterface.java`, I had to add throws declaration since the Javadoc mentioned to throw the `EmptyQueueException`. I had to add these or my code wouldn't run.