Write up:

The WaitLine class simulated customers coming in a line can completing a task. I had to implement the customer, ArrayQueue, EmptyQueueException, and mainDriver. I used a circle array to implement the queue. The video helped with the idea but implementing the core methods still have a bit more studying to do because writing the code is a bit confusing. Specifically, enqueue, dequeue, and isEmpty when using module. Other than that, the only major thing is throwing the emptyqueueexception. In dequeue and the getFront methods the exception needs to throw if the queue is empty, but we can’t edit the interface (adding throw “exception” in the header) would not be acceptable for the labs criteria. So, I made a private method that throws the exception then called that method in the two prior methods (getFront and dequeue).