CS204

Queue Lab

Refer to Chapters 7 & 8 our textbook, implement a **Queue ADT** using arrayed based, linked list, **or** the standard Java class Vector. **The choice is yours – complete one implementation.**

**Review Project 2 – You should be able to implement a generic queue that will satisfy this assignment as well as a portion of the project.**

Test your implementation using a test driver, such as the Waiting Time simulation (Chapter 7). You can consider WaitLine as a utility class.

Complete a small write-up to highlight your learning experience.

Compress your working folder and write-up; submit compressed file back to the assignment link on Blackboard.

A few comments about this lab –

* I would only consider using the class Vector to implement my queue, if I have mastered the array-based or linked implements – you are here to learn to “build” an ADT
* You will need to implement a new custom emptyQueueException
* The provided interface is fine, no need to modify it
* you should throws the custom exception in your dequeue() method
* The provided WaitLine class is a utility class