CS204 – Queue Lab

Create an **ADT Queue** using an implementation of your choice: arrayed-based, linked-list, **or** the Vector (Java Standard Library). Refer to Chapters 7 & 8 of our textbook for more information**. You might want to implement a generic queue for this assignment. Why? You would be able to reuse much of your code for Project 2. (This is by design.)**

Test your implementation using a test driver, such as the Waiting Time simulation (Chapter 7).

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

A few comments about this lab –

* You will need to implement a new custom emptyQueueException
* The provided interface is fine; no modification required
* you should throws the custom exception in your dequeue() method
* The provided WaitLine class is a utility class
* You will need to implement a Customer Class (or something similar)