## Data structure analysis - TicketingSystem

We used Queue to simulate the ticketing system. I think this data structure fits well for this task because it shows that the person standing at the front of the queue is the first one to have shown up, and they are the first ones to be served as well. New customers show up and stand at the end of the line, and they will not be served until the customer in front of them has reached the beginning of the queue and has left.

LinkedList can be used for implementing Queue. The reason for using LinkedList for implementing Queue is that when you need a functionality involving last in first out form and you are not sure how many elements that functionality requires. So you would use LinkedList to create nodes dynamically depending on the requirement.

We also are able to implement Queue using Array and implements same behavior to complete this task. But it will take more efforts to accomplish the same task. So I prefer to using Queue interface for this task.