

Armando Minor
SER 222
Homework 4

During the early stages of my project I encountered a few obstacles. One of them being the result of a few `ArrayOutOfBoundsException` errors. These errors occurred due to not correctly keeping track of the front and rear references for my doubly linked list. Once the issue was fixed I was able to proceed with my program. Another triumph of mine was the ability to keep the code to a minimum. Editing as much code as possible and keeping it to a minimum. One of my other obstacles included being able to properly distinguish which variable was returned in each method, and ensuring it matched with the desired value. I also spent several attempts making sure the size of the list matched the number of elements

During this project I was able preform all test methods given by the instructor except for one. I did find a bug in my code for two consecutive `dequeFront()` operations. This operation does remove the front element successfully. When I print out the entire list it does remove the front end but for some reason when the operation is called consecutively it gives the same value. For example, my list is 1,2,3 with 1 being the front node and 3 being the rear node. When the first `dequeFront()` is called it removes 1 and updates the list to 2, 3, and returns 1. When the 2nd `dequeFront()` is called it removes 2 and updates the list to 3, but returns 1. This error only occurs with consecutive calls to `dequeFront()`. I checked the front and rear reference for both method calls and both were correct. The list updates successfully each time as well. This was my only fault in the program that I encountered.