Assignment 3: Double Linked Lists

Reflection

I initially struggled with iterators, particularly with handling null pointers when calling previous. To overcome this, I made the list circular while using an index in the iterator to limit its scope. This adjustment allowed me to call previous on any item without encountering a null pointer exception. I also faced challenges with the addToFront and addToEnd methods, as I had forgotten to make those operations circular. I resolved this by ensuring the tail's next and head's previous references correctly pointed to each other. In test case I still encountering issue with the previous() method in iterator, it properly manages the state of currentNode and the currentIndex. I would love to spend more time learning to understand the problem here.