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Lab 7

Report File

The deque data structure functions like a deck where operations are performed on the top and bottom of the linked list. The deque must have a first and last variable that can be popped, pushed and returned. It will be much like a queue but “double sided” so that operations can be made on the end of the deque as well. In a way the deque functions like a stack bc if you use the push\_back and pop\_back functions it behaves much like a stack, but if you use the push\_first, pop\_first it will function as a queue. I was not able to finish the complete implementation but this was because of an error I had with the templates that I do not understand.