

CSC6301
Module 5 Project 5
Tanner Huseman

Planning and Executing a Maintenance Task

When looking at this assignment I wanted to use inheritance so that I would be able to leverage all the code I wrote last week. By extending the SortedLinkedListMaker class I wrote for module 4 project, I was able to accomplish the this weeks assignment of getting a sorted Stack by implementing a new method that converts the sorted Linked List that I had from the parent class into a Stack which is, in turn, also be sorted.

There are many ways to complete this assignment, and my approach is not the most memory efficient as it makes both a sorted LinkedList object as well as a sorted Stack object even though only the stack is required. But it does accomplish the task by leveraging the existing code, and because the SortedLinkedListMaker class from last week was not changed, if this was a part of a larger program, any other parts of a program using that class would not break.