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CSC 211
11/1/16
Fall 2016

Stack Assignment

Assignment Analysis and Design:

This assignment implements a stack, which is a linked list that adds and removes nodes at the head (or top) rather than the tail (or bottom). Stacks have a LIFO (last in first out) structure, so they can be used to easily reverse the order of a list by simply loading the items in the list into the stack (pushing them onto the top of the stack) and then retrieving the items from the top of the stack (popping them off the stack). The project uses a sentence loaded into an array. Each item in the array is pushed onto the stack, and the items are popped off the stack into a new array. That array is then joined into a string, and the string is returned. As the stack is pushed or popped it also prints out the current size of the stack using the getSize method. There is also a printStack method included although it is not used in this project.

Assignment Code:

Included in the Netbeans project folder.

Assignment Testing:

I only tested this project with one sentence but I don't believe that further testing is required.

Assignment Evaluation:

Stacks are fun! I am hoping that future assignments get more challenging.

Bibliography:

I only used in-class discussion and notes as the basis of this project.