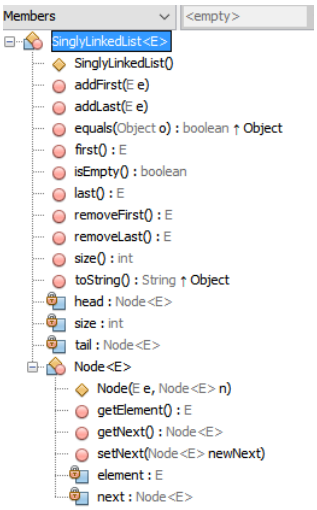
C:\Users\Rich\Documents\NetBeansProjects\Lab06\src\LinkedStackBad.java




```
1
2 /**
3  * Using the adapter pattern to implement a stack as
4  * a linked list. Each new element(last element added) is added as the last node and the
5  * last node element is removed.(LIFO)
6  * @author Rich
7  * @version 02/24/2017
8  */
9 public class LinkedStackBad<E> implements Stack<E> {
10    private SinglyLinkedList<E> list = new SinglyLinkedList<>();
11    public LinkedStackBad(){}          //empty list
12    public int size()
13    {
14       return list.size();
15    }
16    public boolean isEmpty()
17    {
18       return list.isEmpty();
19    }
20    public void push(E element)
21    {
22       list.addLast(element);
23    }
24    public E top(){return list.first();} // should have been list.last(),
25    public E pop(){return list.removeLast();}
26 }
27
28
```

O(n)