Bag/Dictionary Screenshots and Integrity Statements:

1. When the program is executed, all of the instructor's lines of test code execute, showing functionality for the following methods with int,string and string, int combinations:
    a. INSERT via Dictionary (utilizes Bag's addItem)
    b. REMOVEANY via Dictionary (utilizes Bag's removeTop)
    c. SIZE via Dictionary (utilizes Bag's size)
    d. FIND via dictionary (utilizes Bag's FIND)
    e. REMOVE via dictionary (utilizes Bag's remove)
    f. CLEAR via dictionary (utilizes Bag's emptyBag)

```
<Tyler Ellis> -- CSIS 215 Programming Assignment 1 -- Bag Dictionary

Testing dictionary with <int, string> KV Pair
INSERT: Size of myIntStrDict is 20
REMOVEANY: My string data is Beth 200
Size of myIntStrDict is 19
FIND: My data at key==40 is: Beth 40
Size of myIntStrDict is 19
REMOVE: Removed key 60 which was Beth 60
Size of my dictionary is 18
CLEAR: Size of myIntStrDict is 0

Testing dictionary with <string, int> KV Pair
INSERT: Size of myStrIntDict is 8
REMOVEANY: My int data is 10
Size of myIntStrDict is 7
FIND: Kiwi's age is 7
Size of myStrIntDict is 7
REMOVE: Removed key Button which was 1
Size of my dictionary is 6
CLEAR: Size of myStrIntDict is 0
```

2. I added code to the .cpp main file to test some methods that were not as obvious. I created a Bag object and tested the following methods:

a. addItem:

```
Testing Other Bag Functions

Testing the addItem method!...

Size before addItem: 0.
Adding item!
Size after addItem: 1.
```

b. The += overloaded operator:

```
Testing the += overloaded operator!...

Size before +=  : 1.
Adding item via += operator!
Size after +=  : 2.
```

c. inspectTop (both with and without items):

```
Testing the inspectTop member function!...

The value of the top item is: Liberty University

Now we will try again with an empty bag:

Testing the inspectTop member function!...

The bag is empty!
```

d. And the bagCapacity:

```
Testing that the bagCapacity method works, knowing our capacity is 5...

My bag object's capacity is: 5
```

INTEGRITY STATEMENTS:

- I declare that this code I have added to the files downloaded from the assignment instructions is my own, original work, and that all lines of code were written exclusively by me.
- If requested by my instructor, I can provide sources for all resources I used in completing the assignment.

- I did not knowingly modify this assignment in an effort to defeat/beat the assignment expectations.

(I didn't see any details of what to put here in the syllabus/assignment instructions, so I hope I covered what is expected. I referenced old programming assignments from other classes to use those integrity statements)