**Montgomery College**

**CMSC 204**

**Assignment 3 Design**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | First, fouth, third, fifth |  | Angela, Maggie, steven, viky |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |

**Pseudocode**

Exceptions:

* UnsupportedOperationException – this exception is a Java library exception and will be returned by the addtoFront and addToEnd implementations of the SortedDoubleLinkedList class and by the remove method of the iterator.
* NoSuchElementException – this exception is a Java library exception and will be returned by the next function within the iterator class when there

GUI:

* All methods in your BasicDoubleLinkedList and SortedDoubleLinkedList must be stubbed.
* The **addToFront** or **addToEnd** method of the BasicDoubleLinkedList must be implemented to create a basic double singly-linked list.
* The **add** method of the SortedDoubleLinkedList must be implemented to create a sorted double singly-linked list.
* The **toArrayList** method in both the BasicDoubleLinkedList and SortedDoubleLinkedList, which returns an arraylist of the items in the list from the head of list to the tail of list. This method is used to display the contents of the lists.