```java
/*************************************************************
* Dalton Nofs                                                *
* Login ID: nofs5491                                         *
* CS-102, Summer 2017                                        *
* Programming Assignment 2                                   *
* ListInterface class:  general front end for lists          *
*************************************************************/
public interface ListInterface<T>
{
    /*************************************************************
    * Method: isEmpty()                                          *
    * Purpose: check to see if linkedList is empty               *
    *                                                            *
    * Parameters:               N/A                              *
    * Returns: boolean:         if list is empty                 *
    *************************************************************/
    public boolean isEmpty();

    /*************************************************************
    * Method: size()                                             *
    * Purpose: determine the size of linked list                 *
    *                                                            *
    * Parameters:               N/A                              *
    * Returns: int:              the size of the array           *
    *************************************************************/
    public int size();

    /*************************************************************
    * Method: get()                                              *
    * Purpose: get object from linked list at index              *
    *                                                            *
    * Parameters: int:          index                            *
    * Returns: Object:          Object stored in index           *
    *************************************************************/
    public T get(int index);

    /*************************************************************
    * Method: add()                                              *
    * Purpose: add a object at specified index                   *
    *                                                            *
    * Parameters:                                                *
    *               int:          index                        *
    *               Object:        Object to be placed         *
    *                                                           *
    * Returns: void:                N/A                        *
    *************************************************************/
    public void add(int index, T item);

    /*************************************************************
    * Method: remove()                                           *
    * Purpose: remove index postion and return object removed    *
    *                                                             *
    * Notes: calls func that can throw indexoutboundsexception    *
    *                                                            *
    * Parameters: int:          index                            *
    * Returns: Object:          Object removed                   *
    *************************************************************/
    public T remove (int index);

    /*************************************************************
    * Method: removeAll                                          *
    *                                                           *
    * Purpose: removes all nodes from array                      *
    *                                                            *
    * Parameters:             N/A                               *
    * Returns: void:          N/A                               *
    *************************************************************/
```

```
68      public void removeAll();
69  }
```