```java
public interface A3List {

    /* Purpose: add s to the front of the list
     * Parameters: String s - the string to add
     * Returns: nothing
     * Precondition: s is not null
     */
    public void addFront(String s);

    /* Purpose: add s to the back of the list
     * Parameters: String s - the string to add
     * Returns: nothing
     * Precondition: s is not null
     */
    public void addBack(String s);

    /* Purpose: get the current size of the list
     * Parameters: none
     * Returns: int - number of elements in list
     */
    public int size();

    /* Purpose: determines if the list is empty
     * Parameters: none
     * Returns: boolean - true if empty, false otherwise
     */
    public boolean isEmpty();

    /* Purpose: removes the element from the front of the list
     * Parameters: none
     * Returns: nothing
     */
    public void removeFront();

    /* Purpose: removes the element from the back of the list
     * Parameters: none
     * Returns: nothing
     */
    public void removeBack();

    /* Purpose: rotates the elements in the list right by n spots
     * Parameters: int n - number of positions to rotate
     * Returns: nothing
     * Precondition: n >= 0
     * Example: Given a list {a, b, c, d, e, f} and n=2, each
     *          item would be rotated right two positions.
     *          Elements that 'rotate' off the back appear
     *          at the front, resulting in {e, f, a, b, c, d}
     */
    public void rotate(int n);


    /* Purpose: interleaves this list with another list
     * Parameters: A3LinkedList other - the list to interleave with
     * Returns: nothing
     * Precondition: Both lists are the same size, with size > 1
     * Example: If listA:  {a1, a2, a3, a4, a5}
     *          and listB: {b1, b2, b3, b4, b5}
     *          and the two lists were interleaved, the result would
     *          be listA:  {a1, b2, a3, b4, a5}
     *          and listB: {b1, a2, b3, a4, b5}.
     * NOTE: The video link in the pdf provides a visual example
     */
    public void interleave(A3LinkedList other);
```

```
}
```