public interface BagInterface<*T* *to* extends *Comparable*<*?* super *T*>> {

/\*\* Create a new list using all entries in this bag, ordered from smallest to largest.

\* @return A newly created list where its size equals getCurrentSize(). \*/

public *ListInterface*<*T*> createOrderedList();

/\*\* Creates a new bag containing a given number of random entries from this bag.

\* @param *count* The desired number of random entries to be removed from this bag and added to the new bag.

\* @return A newly created bag containing given number of random entries from this bag.

\* @throws IndexOutOfBoundException if count is out of range (count < 1 || count > getCurrentSize()). \*/

public *BagInterface*<*T*> splitBag(*int* *count*);

/\*\* Checks whether this bag is at full capacity.

\* @return True if getCurrentSize() equals the bag's max capacity, or false if otherwise. \*/

public *boolean* isFull();

} // end BagInterface