

FCBag

Inherits From: FCUnorderedCollection : FCCollection : Object

Declared In: FCBag.h

Class Description

FCBag is a subclass of FCUnorderedCollection that implements the behavior of a bag. A bag is a unordered collection in which objects can appear multiple times.

The advantage to an FCBag is that it doesn't actually store an object multiple times if you add it multiple times; FCBag merely increments a count for that object. Thus, an FCBag is very efficient for storing objects that are duplicated many times. For example, if you were counting the number of occurrences of each unique word in a document, you could simply add all the words to an FCBag. (That is, assuming you had a Word object, which would in reality be quite inefficient.)

FCBag inherits from FCUnorderedCollection and FCCollection. The interface documented here only covers the methods that are new or different in FCBag, but all the methods in FCCollection

and FCUnorderedCollection will work on an FCBag as well. Refer to the documentation on those classes to complete the description of an FCBag.

Instance Variables

Inherited from Object

None declared in this class.

Inherited from FCCollection

id **_fc_contents** ;

Class **_fc_class** ;

SEL **_fc_sortSelector** ;

BOOL **_fc_archiveByReference** ;

Inherited from FCUnorderedCollection

None declared in this class.

Declared in FCBag

None declared in this class.

Method Types

Modifying the Contents

-addObject:withOccurrences:

Instance Methods

addObject:withOccurrences:

- **addObject:anObject withOccurrences:(unsigned)n;**

Adds *anObject* into the collection *n* more times. If the object didn't exist in the collection, it will now occur *n* times, if it did exist *m* times, it will now exist *n +m* times.

See also: - **addObject:** (FCCollection), - **removeObject:** (FCCollection), - **removeAllOccurrencesOfObject:** (FCCollection)