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Uses of Interface

org.apache.commons.collections4.Bag

* Packages that use [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

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| * Package | * Description |
| * [org.apache.commons.collections4](#3znysh7) | * This package contains the interfaces and utilities shared across all the subpackages of this component. |
| * [org.apache.commons.collections4.bag](#2et92p0) | * This package contains implementations of the [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) and [SortedBag](http://docs.google.com/org/apache/commons/collections4/SortedBag.html) interfaces. |
| * [org.apache.commons.collections4.collection](#tyjcwt) | * This package contains implementations of the [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true) interface. |

### Uses of [**Bag**](http://docs.google.com/org/apache/commons/collections4/Bag.html) in [**org.apache.commons.collections4**](http://docs.google.com/org/apache/commons/collections4/package-summary.html)Subinterfaces of [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) in [org.apache.commons.collections4](http://docs.google.com/org/apache/commons/collections4/package-summary.html)

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| * + Modifier and Type | * + Interface and Description |
| * + interface | * + [SortedBag](http://docs.google.com/org/apache/commons/collections4/SortedBag.html)<E> Defines a type of Bag that maintains a sorted order among its unique representative members. |

* + Fields in [org.apache.commons.collections4](http://docs.google.com/org/apache/commons/collections4/package-summary.html) declared as [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

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| * + Modifier and Type | * + Field and Description |
| * + static [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) | * + BagUtils.[EMPTY\_BAG](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#EMPTY_BAG) An empty unmodifiable bag. |
| * + static [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) | * + BagUtils.[EMPTY\_SORTED\_BAG](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#EMPTY_SORTED_BAG) An empty unmodifiable sorted bag. |

* + Methods in [org.apache.commons.collections4](http://docs.google.com/org/apache/commons/collections4/package-summary.html) that return [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

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| * + Modifier and Type | * + Method and Description |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[collectionBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#collectionBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag) Returns a bag that complies to the Collection contract, backed by the given bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[emptyBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#emptyBag--)() Get an empty Bag. |
| * + static <K,V> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<V> | * + MultiMapUtils.[getValuesAsBag](http://docs.google.com/org/apache/commons/collections4/MultiMapUtils.html#getValuesAsBag-org.apache.commons.collections4.MultiValuedMap-K-)([MultiValuedMap](http://docs.google.com/org/apache/commons/collections4/MultiValuedMap.html)<K,V> map, K key) Gets a Bag from MultiValuedMap in a null-safe manner. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[predicatedBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#predicatedBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Predicate-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super E> predicate) Returns a predicated (validating) bag backed by the given bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[synchronizedBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#synchronizedBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag) Returns a synchronized (thread-safe) bag backed by the given bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[transformingBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#transformingBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Transformer-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super E,? extends E> transformer) Returns a transformed bag backed by the given bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[unmodifiableBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#unmodifiableBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<? extends E> bag) Returns an unmodifiable view of the given bag. |

* + Methods in [org.apache.commons.collections4](http://docs.google.com/org/apache/commons/collections4/package-summary.html) with parameters of type [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

|  |  |
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| * + Modifier and Type | * + Method and Description |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[collectionBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#collectionBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag) Returns a bag that complies to the Collection contract, backed by the given bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[predicatedBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#predicatedBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Predicate-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super E> predicate) Returns a predicated (validating) bag backed by the given bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[synchronizedBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#synchronizedBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag) Returns a synchronized (thread-safe) bag backed by the given bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[transformingBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#transformingBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Transformer-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super E,? extends E> transformer) Returns a transformed bag backed by the given bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + BagUtils.[unmodifiableBag](http://docs.google.com/org/apache/commons/collections4/BagUtils.html#unmodifiableBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<? extends E> bag) Returns an unmodifiable view of the given bag. |

### Uses of [**Bag**](http://docs.google.com/org/apache/commons/collections4/Bag.html) in [**org.apache.commons.collections4.bag**](http://docs.google.com/org/apache/commons/collections4/bag/package-summary.html)Classes in [org.apache.commons.collections4.bag](http://docs.google.com/org/apache/commons/collections4/bag/package-summary.html) that implement [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

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| * + Modifier and Type | * + Class and Description |
| * + class | * + [AbstractBagDecorator](http://docs.google.com/org/apache/commons/collections4/bag/AbstractBagDecorator.html)<E> Decorates another Bag to provide additional behaviour. |
| * + class | * + [AbstractMapBag](http://docs.google.com/org/apache/commons/collections4/bag/AbstractMapBag.html)<E> Abstract implementation of the [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) interface to simplify the creation of subclass implementations. |
| * + class | * + [AbstractSortedBagDecorator](http://docs.google.com/org/apache/commons/collections4/bag/AbstractSortedBagDecorator.html)<E> Decorates another SortedBag to provide additional behaviour. |
| * + class | * + [CollectionBag](http://docs.google.com/org/apache/commons/collections4/bag/CollectionBag.html)<E> Decorates another [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) to comply with the Collection contract. |
| * + class | * + [CollectionSortedBag](http://docs.google.com/org/apache/commons/collections4/bag/CollectionSortedBag.html)<E> Decorates another [SortedBag](http://docs.google.com/org/apache/commons/collections4/SortedBag.html) to comply with the Collection contract. |
| * + class | * + [HashBag](http://docs.google.com/org/apache/commons/collections4/bag/HashBag.html)<E> Implements Bag, using a [HashMap](https://docs.oracle.com/javase/7/docs/api/java/util/HashMap.html?is-external=true) to provide the data storage. |
| * + class | * + [PredicatedBag](http://docs.google.com/org/apache/commons/collections4/bag/PredicatedBag.html)<E> Decorates another [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) to validate that additions match a specified predicate. |
| * + class | * + [PredicatedSortedBag](http://docs.google.com/org/apache/commons/collections4/bag/PredicatedSortedBag.html)<E> Decorates another [SortedBag](http://docs.google.com/org/apache/commons/collections4/SortedBag.html) to validate that additions match a specified predicate. |
| * + class | * + [SynchronizedBag](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedBag.html)<E> Decorates another [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) to synchronize its behaviour for a multi-threaded environment. |
| * + class | * + [SynchronizedSortedBag](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedSortedBag.html)<E> Decorates another [SortedBag](http://docs.google.com/org/apache/commons/collections4/SortedBag.html) to synchronize its behaviour for a multi-threaded environment. |
| * + class | * + [TransformedBag](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html)<E> Decorates another [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) to transform objects that are added. |
| * + class | * + [TransformedSortedBag](http://docs.google.com/org/apache/commons/collections4/bag/TransformedSortedBag.html)<E> Decorates another [SortedBag](http://docs.google.com/org/apache/commons/collections4/SortedBag.html) to transform objects that are added. |
| * + class | * + [TreeBag](http://docs.google.com/org/apache/commons/collections4/bag/TreeBag.html)<E> Implements [SortedBag](http://docs.google.com/org/apache/commons/collections4/SortedBag.html), using a [TreeMap](https://docs.oracle.com/javase/7/docs/api/java/util/TreeMap.html?is-external=true) to provide the data storage. |
| * + class | * + [UnmodifiableBag](http://docs.google.com/org/apache/commons/collections4/bag/UnmodifiableBag.html)<E> Decorates another [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html) to ensure it can't be altered. |
| * + class | * + [UnmodifiableSortedBag](http://docs.google.com/org/apache/commons/collections4/bag/UnmodifiableSortedBag.html)<E> Decorates another [SortedBag](http://docs.google.com/org/apache/commons/collections4/SortedBag.html) to ensure it can't be altered. |

* + Methods in [org.apache.commons.collections4.bag](http://docs.google.com/org/apache/commons/collections4/bag/package-summary.html) that return [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

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| * + Modifier and Type | * + Method and Description |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + CollectionBag.[collectionBag](http://docs.google.com/org/apache/commons/collections4/bag/CollectionBag.html#collectionBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag) Factory method to create a bag that complies to the Collection contract. |
| * + protected [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/AbstractBagDecorator.html)> | * + AbstractBagDecorator.[decorated](http://docs.google.com/org/apache/commons/collections4/bag/AbstractBagDecorator.html#decorated--)() Gets the bag being decorated. |
| * + protected [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/PredicatedBag.html)> | * + PredicatedBag.[decorated](http://docs.google.com/org/apache/commons/collections4/bag/PredicatedBag.html#decorated--)() Gets the decorated bag. |
| * + protected [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedBag.html)> | * + SynchronizedBag.[getBag](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedBag.html#getBag--)() Gets the bag being decorated. |
| * + protected [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html)> | * + TransformedBag.[getBag](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html#getBag--)() Gets the decorated bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + TransformedBag.[transformedBag](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html#transformedBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Transformer-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super E,? extends E> transformer) Factory method to create a transforming bag that will transform existing contents of the specified bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + TransformedBag.[transformingBag](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html#transformingBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Transformer-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super E,? extends E> transformer) Factory method to create a transforming bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + UnmodifiableBag.[unmodifiableBag](http://docs.google.com/org/apache/commons/collections4/bag/UnmodifiableBag.html#unmodifiableBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<? extends E> bag) Factory method to create an unmodifiable bag. |

* + Methods in [org.apache.commons.collections4.bag](http://docs.google.com/org/apache/commons/collections4/bag/package-summary.html) with parameters of type [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

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| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + CollectionBag.[collectionBag](http://docs.google.com/org/apache/commons/collections4/bag/CollectionBag.html#collectionBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag) Factory method to create a bag that complies to the Collection contract. |
| * + static <E> [PredicatedBag](http://docs.google.com/org/apache/commons/collections4/bag/PredicatedBag.html)<E> | * + PredicatedBag.[predicatedBag](http://docs.google.com/org/apache/commons/collections4/bag/PredicatedBag.html#predicatedBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Predicate-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super E> predicate) Factory method to create a predicated (validating) bag. |
| * + static <E> [SynchronizedBag](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedBag.html)<E> | * + SynchronizedBag.[synchronizedBag](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedBag.html#synchronizedBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag) Factory method to create a synchronized bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + TransformedBag.[transformedBag](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html#transformedBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Transformer-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super E,? extends E> transformer) Factory method to create a transforming bag that will transform existing contents of the specified bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + TransformedBag.[transformingBag](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html#transformingBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Transformer-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> bag, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super E,? extends E> transformer) Factory method to create a transforming bag. |
| * + static <E> [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<E> | * + UnmodifiableBag.[unmodifiableBag](http://docs.google.com/org/apache/commons/collections4/bag/UnmodifiableBag.html#unmodifiableBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<? extends E> bag) Factory method to create an unmodifiable bag. |

* + Constructors in [org.apache.commons.collections4.bag](http://docs.google.com/org/apache/commons/collections4/bag/package-summary.html) with parameters of type [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

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| * + Constructor and Description |
| * + [AbstractBagDecorator](http://docs.google.com/org/apache/commons/collections4/bag/AbstractBagDecorator.html#AbstractBagDecorator-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/AbstractBagDecorator.html)> bag) Constructor that wraps (not copies). |
| * + [CollectionBag](http://docs.google.com/org/apache/commons/collections4/bag/CollectionBag.html#CollectionBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/CollectionBag.html)> bag) Constructor that wraps (not copies). |
| * + [PredicatedBag](http://docs.google.com/org/apache/commons/collections4/bag/PredicatedBag.html#PredicatedBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Predicate-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/PredicatedBag.html)> bag, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/bag/PredicatedBag.html)> predicate) Constructor that wraps (not copies). |
| * + [SynchronizedBag](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedBag.html#SynchronizedBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedBag.html)> bag) Constructor that wraps (not copies). |
| * + [SynchronizedBag](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedBag.html#SynchronizedBag-org.apache.commons.collections4.Bag-java.lang.Object-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedBag.html)> bag, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) lock) Constructor that wraps (not copies). |
| * + [SynchronizedSortedBag](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedSortedBag.html#SynchronizedSortedBag-org.apache.commons.collections4.Bag-java.lang.Object-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/SynchronizedSortedBag.html)> bag, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) lock) Constructor that wraps (not copies). |
| * + [TransformedBag](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html#TransformedBag-org.apache.commons.collections4.Bag-org.apache.commons.collections4.Transformer-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html)> bag, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super [E](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html),? extends [E](http://docs.google.com/org/apache/commons/collections4/bag/TransformedBag.html)> transformer) Constructor that wraps (not copies). |

### Uses of [**Bag**](http://docs.google.com/org/apache/commons/collections4/Bag.html) in [**org.apache.commons.collections4.collection**](http://docs.google.com/org/apache/commons/collections4/collection/package-summary.html)Methods in [org.apache.commons.collections4.collection](http://docs.google.com/org/apache/commons/collections4/collection/package-summary.html) that return [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/collection/PredicatedCollection.Builder.html)> | * + PredicatedCollection.Builder.[createPredicatedBag](http://docs.google.com/org/apache/commons/collections4/collection/PredicatedCollection.Builder.html#createPredicatedBag--)() Create a new predicated bag filled with the accepted elements. |
| * + [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/collection/PredicatedCollection.Builder.html)> | * + PredicatedCollection.Builder.[createPredicatedBag](http://docs.google.com/org/apache/commons/collections4/collection/PredicatedCollection.Builder.html#createPredicatedBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/collection/PredicatedCollection.Builder.html)> bag) Decorates the given bag with validating behavior using the predicate. |

* + Methods in [org.apache.commons.collections4.collection](http://docs.google.com/org/apache/commons/collections4/collection/package-summary.html) with parameters of type [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/collection/PredicatedCollection.Builder.html)> | * + PredicatedCollection.Builder.[createPredicatedBag](http://docs.google.com/org/apache/commons/collections4/collection/PredicatedCollection.Builder.html#createPredicatedBag-org.apache.commons.collections4.Bag-)([Bag](http://docs.google.com/org/apache/commons/collections4/Bag.html)<[E](http://docs.google.com/org/apache/commons/collections4/collection/PredicatedCollection.Builder.html)> bag) Decorates the given bag with validating behavior using the predicate. |

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* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* [Class](http://docs.google.com/org/apache/commons/collections4/Bag.html)
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* [Tree](http://docs.google.com/overview-tree.html)
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* [Index](http://docs.google.com/index-all.html)
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* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/class-use/Bag.html)
* [No Frames](http://docs.google.com/Bag.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

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