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Uses of Interface

org.apache.commons.collections4.SortedBidiMap

* Packages that use [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.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.bidimap](#2et92p0) | * This package contains implementations of the [BidiMap](http://docs.google.com/org/apache/commons/collections4/BidiMap.html), [OrderedBidiMap](http://docs.google.com/org/apache/commons/collections4/OrderedBidiMap.html) and [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html) interfaces. |

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

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| * + Modifier and Type | * + Method and Description |
| * + [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<[V](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html),[K](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)> | * + SortedBidiMap.[inverseBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html#inverseBidiMap--)() Gets a view of this map where the keys and values are reversed. |

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

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| * + Modifier and Type | * + Class and Description |
| * + class | * + [AbstractSortedBidiMapDecorator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html)<K,V> Provides a base decorator that enables additional functionality to be added to a SortedBidiMap via decoration. |
| * + class | * + [DualTreeBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.html)<K,V> Implementation of [BidiMap](http://docs.google.com/org/apache/commons/collections4/BidiMap.html) that uses two [TreeMap](https://docs.oracle.com/javase/7/docs/api/java/util/TreeMap.html?is-external=true) instances. |
| * + class | * + [UnmodifiableSortedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableSortedBidiMap.html)<K,V> Decorates another [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html) to ensure it can't be altered. |

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

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| * + Modifier and Type | * + Method and Description |
| * + protected [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<[K](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html)> | * + AbstractSortedBidiMapDecorator.[decorated](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html#decorated--)() Gets the map being decorated. |
| * + [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<[V](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html),[K](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html)> | * + AbstractSortedBidiMapDecorator.[inverseBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html#inverseBidiMap--)() |
| * + [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<[V](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.html),[K](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.html)> | * + DualTreeBidiMap.[inverseBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.html#inverseBidiMap--)() |
| * + [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<[V](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableSortedBidiMap.html),[K](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableSortedBidiMap.html)> | * + UnmodifiableSortedBidiMap.[inverseBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableSortedBidiMap.html#inverseBidiMap--)() |
| * + [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<[V](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.html),[K](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.html)> | * + DualTreeBidiMap.[inverseSortedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.html#inverseSortedBidiMap--)() |
| * + static <K,V> [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<K,V> | * + UnmodifiableSortedBidiMap.[unmodifiableSortedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableSortedBidiMap.html#unmodifiableSortedBidiMap-org.apache.commons.collections4.SortedBidiMap-)([SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<K,? extends V> map) Factory method to create an unmodifiable map. |

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

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| * + Modifier and Type | * + Method and Description |
| * + static <K,V> [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<K,V> | * + UnmodifiableSortedBidiMap.[unmodifiableSortedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableSortedBidiMap.html#unmodifiableSortedBidiMap-org.apache.commons.collections4.SortedBidiMap-)([SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<K,? extends V> map) Factory method to create an unmodifiable map. |

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

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| * + Constructor and Description |
| * + [AbstractSortedBidiMapDecorator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html#AbstractSortedBidiMapDecorator-org.apache.commons.collections4.SortedBidiMap-)([SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<[K](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html)> map) Constructor that wraps (not copies). |

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* [No Frames](http://docs.google.com/SortedBidiMap.html)
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