JavaScript is disabled on your browser.

[Skip navigation links](#1fob9te)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/Unmodifiable.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/apache/commons/collections4/TrieUtils.html)
* Next Class
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/Unmodifiable.html)
* [No Frames](http://docs.google.com/Unmodifiable.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* Constr |
* Method
* Detail:
* Field |
* Constr |
* Method

org.apache.commons.collections4

## Interface Unmodifiable

* All Known Implementing Classes: [UnmodifiableBag](http://docs.google.com/org/apache/commons/collections4/bag/UnmodifiableBag.html), [UnmodifiableBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableBidiMap.html), [UnmodifiableBoundedCollection](http://docs.google.com/org/apache/commons/collections4/collection/UnmodifiableBoundedCollection.html), [UnmodifiableCollection](http://docs.google.com/org/apache/commons/collections4/collection/UnmodifiableCollection.html), [UnmodifiableEntrySet](http://docs.google.com/org/apache/commons/collections4/map/UnmodifiableEntrySet.html), [UnmodifiableIterator](http://docs.google.com/org/apache/commons/collections4/iterators/UnmodifiableIterator.html), [UnmodifiableList](http://docs.google.com/org/apache/commons/collections4/list/UnmodifiableList.html), [UnmodifiableListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/UnmodifiableListIterator.html), [UnmodifiableMap](http://docs.google.com/org/apache/commons/collections4/map/UnmodifiableMap.html), [UnmodifiableMapEntry](http://docs.google.com/org/apache/commons/collections4/keyvalue/UnmodifiableMapEntry.html), [UnmodifiableMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/UnmodifiableMapIterator.html), [UnmodifiableMultiSet](http://docs.google.com/org/apache/commons/collections4/multiset/UnmodifiableMultiSet.html), [UnmodifiableMultiValuedMap](http://docs.google.com/org/apache/commons/collections4/multimap/UnmodifiableMultiValuedMap.html), [UnmodifiableNavigableSet](http://docs.google.com/org/apache/commons/collections4/set/UnmodifiableNavigableSet.html), [UnmodifiableOrderedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableOrderedBidiMap.html), [UnmodifiableOrderedMap](http://docs.google.com/org/apache/commons/collections4/map/UnmodifiableOrderedMap.html), [UnmodifiableOrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/UnmodifiableOrderedMapIterator.html), [UnmodifiableQueue](http://docs.google.com/org/apache/commons/collections4/queue/UnmodifiableQueue.html), [UnmodifiableSet](http://docs.google.com/org/apache/commons/collections4/set/UnmodifiableSet.html), [UnmodifiableSortedBag](http://docs.google.com/org/apache/commons/collections4/bag/UnmodifiableSortedBag.html), [UnmodifiableSortedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableSortedBidiMap.html), [UnmodifiableSortedMap](http://docs.google.com/org/apache/commons/collections4/map/UnmodifiableSortedMap.html), [UnmodifiableSortedSet](http://docs.google.com/org/apache/commons/collections4/set/UnmodifiableSortedSet.html), [UnmodifiableTrie](http://docs.google.com/org/apache/commons/collections4/trie/UnmodifiableTrie.html)  
    
  public interface Unmodifiable  
  Marker interface for collections, maps and iterators that are unmodifiable.  
  This interface enables testing such as:  
   if (coll instanceof Unmodifiable) {  
   coll = new ArrayList(coll);  
   }  
   // now we know coll is modifiable  
   Of course all this only works if you use the Unmodifiable classes defined in this library. If you use the JDK unmodifiable class via java.util Collections then the interface won't be there.Since: 3.0

[Skip navigation links](#tyjcwt)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/Unmodifiable.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/apache/commons/collections4/TrieUtils.html)
* Next Class
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/Unmodifiable.html)
* [No Frames](http://docs.google.com/Unmodifiable.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* Constr |
* Method
* Detail:
* Field |
* Constr |
* Method

Copyright © 2001–2019 [The Apache Software Foundation](https://www.apache.org/). All rights reserved.