JavaScript is disabled on your browser.

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/InflectedWordElement.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-files/index-1.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/simplenlg/framework/ElementCategory.html)
* [Next Class](http://docs.google.com/simplenlg/framework/LexicalCategory.html)
* [Frames](http://docs.google.com/index.html?simplenlg/framework/InflectedWordElement.html)
* [No Frames](http://docs.google.com/InflectedWordElement.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
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simplenlg.framework

## Class InflectedWordElement

* java.lang.Object
  + [simplenlg.framework.NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)
    - simplenlg.framework.InflectedWordElement
* public class InflectedWordElement  
  extends [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)  
  This class defines the NLGElement that is used to represent an word that requires inflection by the morphology. It has convenience methods for retrieving the base form of the word (for example, *kiss*, *eat*) and for setting and retrieving the base word. The base word is a WordElement constructed by the lexicon.Version: 4.0 Author: D. Westwater, University of Aberdeen.

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**InflectedWordElement**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html#InflectedWordElement(java.lang.String,%20simplenlg.framework.LexicalCategory))(java.lang.String word, [LexicalCategory](http://docs.google.com/simplenlg/framework/LexicalCategory.html) category) Constructs a new inflected word using the giving word as the base form. |
| * + [**InflectedWordElement**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html#InflectedWordElement(simplenlg.framework.WordElement))([WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) word) Constructs a new inflected word from a WordElement |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.lang.String | * + [**getBaseForm**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html#getBaseForm())() Retrieves the base form for this element. |
| * + [WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) | * + [**getBaseWord**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html#getBaseWord())() Retrieves the base word for this element. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + [**getChildren**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html#getChildren())() This method returns null as the inflected word has no child components. |
| * + java.lang.String | * + [**printTree**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html#printTree(java.lang.String))(java.lang.String indent) |
| * + void | * + [**setBaseWord**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html#setBaseWord(simplenlg.framework.WordElement))([WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) word) Sets the base word for this element. |
| * + java.lang.String | * + [**toString**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html#toString())() |

### Methods inherited from class simplenlg.framework.[**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html)[clearAllFeatures](http://docs.google.com/simplenlg/framework/NLGElement.html#clearAllFeatures()), [equals](http://docs.google.com/simplenlg/framework/NLGElement.html#equals(java.lang.Object)), [equals](http://docs.google.com/simplenlg/framework/NLGElement.html#equals(java.lang.String)), [getAllFeatureNames](http://docs.google.com/simplenlg/framework/NLGElement.html#getAllFeatureNames()), [getAllFeatures](http://docs.google.com/simplenlg/framework/NLGElement.html#getAllFeatures()), [getCategory](http://docs.google.com/simplenlg/framework/NLGElement.html#getCategory()), [getFactory](http://docs.google.com/simplenlg/framework/NLGElement.html#getFactory()), [getFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeature(java.lang.String)), [getFeatureAsBoolean](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsBoolean(java.lang.String)), [getFeatureAsDouble](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsDouble(java.lang.String)), [getFeatureAsElement](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsElement(java.lang.String)), [getFeatureAsElementList](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsElementList(java.lang.String)), [getFeatureAsFloat](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsFloat(java.lang.String)), [getFeatureAsInteger](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsInteger(java.lang.String)), [getFeatureAsList](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsList(java.lang.String)), [getFeatureAsLong](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsLong(java.lang.String)), [getFeatureAsString](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsString(java.lang.String)), [getFeatureAsStringList](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsStringList(java.lang.String)), [getParent](http://docs.google.com/simplenlg/framework/NLGElement.html#getParent()), [getRealisation](http://docs.google.com/simplenlg/framework/NLGElement.html#getRealisation()), [getTense](http://docs.google.com/simplenlg/framework/NLGElement.html#getTense()), [hasFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#hasFeature(java.lang.String)), [isA](http://docs.google.com/simplenlg/framework/NLGElement.html#isA(simplenlg.framework.ElementCategory)), [isNegated](http://docs.google.com/simplenlg/framework/NLGElement.html#isNegated()), [isPlural](http://docs.google.com/simplenlg/framework/NLGElement.html#isPlural()), [removeFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#removeFeature(java.lang.String)), [setCategory](http://docs.google.com/simplenlg/framework/NLGElement.html#setCategory(simplenlg.framework.ElementCategory)), [setFactory](http://docs.google.com/simplenlg/framework/NLGElement.html#setFactory(simplenlg.framework.NLGFactory)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20boolean)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20double)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20float)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20int)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20long)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20java.lang.Object)), [setNegated](http://docs.google.com/simplenlg/framework/NLGElement.html#setNegated(boolean)), [setParent](http://docs.google.com/simplenlg/framework/NLGElement.html#setParent(simplenlg.framework.NLGElement)), [setPlural](http://docs.google.com/simplenlg/framework/NLGElement.html#setPlural(boolean)), [setRealisation](http://docs.google.com/simplenlg/framework/NLGElement.html#setRealisation(java.lang.String)), [setTense](http://docs.google.com/simplenlg/framework/NLGElement.html#setTense(simplenlg.features.Tense))

### Methods inherited from class java.lang.ObjectgetClass, hashCode, notify, notifyAll, wait, wait, wait

### Constructor Detail

#### InflectedWordElement public InflectedWordElement(java.lang.String word, [LexicalCategory](http://docs.google.com/simplenlg/framework/LexicalCategory.html) category) Constructs a new inflected word using the giving word as the base form. Constructing the word also requires a lexical category (such as noun, verb).Parameters:word - the base form for this inflected word.category - the lexical category for the word.

#### InflectedWordElement public InflectedWordElement([WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) word) Constructs a new inflected word from a WordElementParameters:word - underlying wordelement

### Method Detail

#### getChildren public java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> getChildren() This method returns null as the inflected word has no child components.**Specified by:** [getChildren](http://docs.google.com/simplenlg/framework/NLGElement.html#getChildren()) in class [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) Returns:a List of NLGElements representing the children of this element.

#### toString public java.lang.String toString()**Overrides:** [toString](http://docs.google.com/simplenlg/framework/NLGElement.html#toString()) in class [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

#### printTree public java.lang.String printTree(java.lang.String indent)**Overrides:** [printTree](http://docs.google.com/simplenlg/framework/NLGElement.html#printTree(java.lang.String)) in class [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

#### getBaseForm public java.lang.String getBaseForm() Retrieves the base form for this element. The base form is the originally supplied word.Returns:a String forming the base form of the element.

#### setBaseWord public void setBaseWord([WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) word) Sets the base word for this element.Parameters:word - the WordElement representing the base word as read from the lexicon.

#### getBaseWord public [WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) getBaseWord() Retrieves the base word for this element.Returns:the WordElement representing the base word as read from the lexicon.

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* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-files/index-1.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/simplenlg/framework/ElementCategory.html)
* [Next Class](http://docs.google.com/simplenlg/framework/LexicalCategory.html)
* [Frames](http://docs.google.com/index.html?simplenlg/framework/InflectedWordElement.html)
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