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/MorphologyRules.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/morphology/english/MorphologyProcessor.html)
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* [Frames](http://docs.google.com/index.html?simplenlg/morphology/english/MorphologyRules.html)
* [No Frames](http://docs.google.com/MorphologyRules.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
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simplenlg.morphology.english

## Class MorphologyRules

* java.lang.Object
  + simplenlg.morphology.english.MorphologyRules
* public abstract class MorphologyRules  
  extends java.lang.Object  
  This abstract class contains a number of rules for doing simple inflection.  
  As a matter of course, the processor will first use any user-defined inflection for the world. If no inflection is provided then the lexicon, if it exists, will be examined for the correct inflection. Failing this a set of very basic rules will be examined to inflect the word.  
  All processing modules perform realisation on a tree of NLGElements. The modules can alter the tree in whichever way they wish. For example, the syntax processor replaces phrase elements with list elements consisting of inflected words while the morphology processor replaces inflected words with string elements.  
  **N.B.** the use of *module*, *processing module* and *processor* is interchangeable. They all mean an instance of this class.Version: 4.0 16-Mar-2011 modified to use correct base form (ER) Author: D. Westwater, University of Aberdeen.

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**MorphologyRules**](http://docs.google.com/simplenlg/morphology/english/MorphologyRules.html#MorphologyRules())() |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**doAdjectiveMorphology**](http://docs.google.com/simplenlg/morphology/english/MorphologyRules.html#doAdjectiveMorphology(simplenlg.framework.InflectedWordElement,%20simplenlg.framework.WordElement))([InflectedWordElement](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) element, [WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) baseWord) This method performs the morphology for adjectives. |
| * + static [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**doAdverbMorphology**](http://docs.google.com/simplenlg/morphology/english/MorphologyRules.html#doAdverbMorphology(simplenlg.framework.InflectedWordElement,%20simplenlg.framework.WordElement))([InflectedWordElement](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) element, [WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) baseWord) This method performs the morphology for adverbs. |
| * + static void | * + [**doDeterminerMorphology**](http://docs.google.com/simplenlg/morphology/english/MorphologyRules.html#doDeterminerMorphology(simplenlg.framework.NLGElement,%20java.lang.String))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) determiner, java.lang.String realisation) This method performs the morphology for determiners. |
| * + static [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**doPronounMorphology**](http://docs.google.com/simplenlg/morphology/english/MorphologyRules.html#doPronounMorphology(simplenlg.framework.InflectedWordElement))([InflectedWordElement](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) element) This method performs the morphology for pronouns. |

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

### Constructor Detail

#### MorphologyRules public MorphologyRules()

### Method Detail

#### doAdjectiveMorphology public static [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) doAdjectiveMorphology([InflectedWordElement](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) element, [WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) baseWord) This method performs the morphology for adjectives.Parameters:element - the InflectedWordElement.baseWord - the WordElement as created from the lexicon entry. Returns:a StringElement representing the word after inflection.

#### doAdverbMorphology public static [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) doAdverbMorphology([InflectedWordElement](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) element, [WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) baseWord) This method performs the morphology for adverbs.Parameters:element - the InflectedWordElement.baseWord - the WordElement as created from the lexicon entry. Returns:a StringElement representing the word after inflection.

#### doPronounMorphology public static [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) doPronounMorphology([InflectedWordElement](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) element) This method performs the morphology for pronouns.Parameters:element - the InflectedWordElement. Returns:a StringElement representing the word after inflection.

#### doDeterminerMorphology public static void doDeterminerMorphology([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) determiner, java.lang.String realisation) This method performs the morphology for determiners.Parameters:determiner - the InflectedWordElement.realisation - the current realisation of the determiner.

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