JavaScript is disabled on your browser.

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* [Package](http://docs.google.com/package-summary.html)
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* [Use](http://docs.google.com/class-use/OrthographyProcessor.html)
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simplenlg.orthography.english

## Class OrthographyProcessor

* java.lang.Object
  + [simplenlg.framework.NLGModule](http://docs.google.com/simplenlg/framework/NLGModule.html)
    - simplenlg.orthography.english.OrthographyProcessor
* public class OrthographyProcessor  
  extends [NLGModule](http://docs.google.com/simplenlg/framework/NLGModule.html)
* This processing module deals with punctuation when applied to DocumentElements. The punctuation currently handled by this processor includes the following (as of version 4.0):
  + Capitalisation of the first letter in sentences.
  + Termination of sentences with a period if not interrogative.
  + Termination of sentences with a question mark if they are interrogative.
  + Replacement of multiple conjunctions with a comma. For example, *John and Peter and Simon* becomes *John, Peter and Simon*.

Version: 4.0 Author: D. Westwater, University of Aberdeen.

### Constructor SummaryConstructors

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

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [**initialise**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#initialise())() Performs one-time initialisation of the module. |
| * + boolean | * + [**isCommaSepCuephrase**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#isCommaSepCuephrase())() Check whether this processor separates cue phrases from a matrix phrase using a comma. |
| * + boolean | * + [**isCommaSepPremodifiers**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#isCommaSepPremodifiers())() Check whether this processor separates premodifiers using a comma. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + [**realise**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) Realises a List of NLGElements usually by iteratively calling the realise(NLGElement) method on each element in the list and adding the result into a new a List |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**realise**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) Realises the given element. |
| * + void | * + [**setCommaSepCuephrase**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#setCommaSepCuephrase(boolean))(boolean commaSepCuephrase) If set to true, separates a cue phrase from the matrix phrase using a comma. |
| * + void | * + [**setCommaSepPremodifiers**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#setCommaSepPremodifiers(boolean))(boolean commaSepPremodifiers) Set whether to separate premodifiers using a comma. |

### Methods inherited from class simplenlg.framework.[**NLGModule**](http://docs.google.com/simplenlg/framework/NLGModule.html)[getLexicon](http://docs.google.com/simplenlg/framework/NLGModule.html#getLexicon()), [setLexicon](http://docs.google.com/simplenlg/framework/NLGModule.html#setLexicon(simplenlg.lexicon.Lexicon))

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

### Constructor Detail

#### OrthographyProcessor public OrthographyProcessor()

### Method Detail

#### initialise public void initialise() **Description copied from class:**[**NLGModule**](http://docs.google.com/simplenlg/framework/NLGModule.html#initialise()) Performs one-time initialisation of the module.**Specified by:** [initialise](http://docs.google.com/simplenlg/framework/NLGModule.html#initialise()) in class [NLGModule](http://docs.google.com/simplenlg/framework/NLGModule.html)

#### isCommaSepPremodifiers public boolean isCommaSepPremodifiers() Check whether this processor separates premodifiers using a comma.Returns:true if premodifiers in the noun phrase are comma-separated.

#### setCommaSepPremodifiers public void setCommaSepPremodifiers(boolean commaSepPremodifiers) Set whether to separate premodifiers using a comma. If true, premodifiers will be comma-separated, as in *the long, dark road*. If false, they won't.Parameters:commaSepPremodifiers - the commaSepPremodifiers to set

#### isCommaSepCuephrase public boolean isCommaSepCuephrase() Check whether this processor separates cue phrases from a matrix phrase using a comma.Returns:true if this parameter is set.

#### setCommaSepCuephrase public void setCommaSepCuephrase(boolean commaSepCuephrase) If set to true, separates a cue phrase from the matrix phrase using a comma. Cue phrases are typically at the start of a sentence (e.g. *However, John left early*). This will only apply to phrases with the feature [DiscourseFunction.CUE\_PHRASE](http://docs.google.com/simplenlg/features/DiscourseFunction.html#CUE_PHRASE) or [DiscourseFunction.FRONT\_MODIFIER](http://docs.google.com/simplenlg/features/DiscourseFunction.html#FRONT_MODIFIER).Parameters:commaSepCuephrase - whether to separate cue phrases using a comma

#### realise public [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) realise([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) **Description copied from class:**[**NLGModule**](http://docs.google.com/simplenlg/framework/NLGModule.html#realise(simplenlg.framework.NLGElement)) Realises the given element. This call is usually recursive as the call processes the child elements of the given element.**Specified by:** [realise](http://docs.google.com/simplenlg/framework/NLGModule.html#realise(simplenlg.framework.NLGElement)) in class [NLGModule](http://docs.google.com/simplenlg/framework/NLGModule.html) Parameters:element - the NLGElement to be realised. Returns:the NLGElement representing the realised state. This may be the initial element in a changed form or be a completely new element.

#### realise public java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> realise(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) **Description copied from class:**[**NLGModule**](http://docs.google.com/simplenlg/framework/NLGModule.html#realise(java.util.List)) Realises a List of NLGElements usually by iteratively calling the realise(NLGElement) method on each element in the list and adding the result into a new a List**Specified by:** [realise](http://docs.google.com/simplenlg/framework/NLGModule.html#realise(java.util.List)) in class [NLGModule](http://docs.google.com/simplenlg/framework/NLGModule.html) Parameters:elements - the List of NLGElements to be realised. Returns:the List of realised NLGElements.

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