JavaScript is disabled on your browser.

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
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* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/simplenlg/xmlrealiser/Recording.html)
* [Next Class](http://docs.google.com/simplenlg/xmlrealiser/XMLRealiser.html)
* [Frames](http://docs.google.com/index.html?simplenlg/xmlrealiser/UnWrapper.html)
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simplenlg.xmlrealiser

## Class UnWrapper

* java.lang.Object
  + simplenlg.xmlrealiser.UnWrapper
* public class UnWrapper  
  extends java.lang.Object  
  UnWrapper maps from classes generated by xjc from RealizerSchema.xsd to SimpleNLG classes. There are classes of the same name in two packages. The xjc wrapper classes are in the simplenlg.xmlrealiser.wrapper package, and are prefixed with the package name. The real simplenlg classes are referenced without package name prefix.Author: Christopher Howell Agfa Healthcare Corporation, Albert Gatt, University of Malta

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**UnWrapper**](http://docs.google.com/simplenlg/xmlrealiser/UnWrapper.html#UnWrapper(simplenlg.lexicon.Lexicon))([Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html) lexicon) Initialise an UnWrapper with a lexicon. |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static [NLGSpec](http://docs.google.com/simplenlg/xmlrealiser/wrapper/NLGSpec.html) | * + [**getNLGSpec**](http://docs.google.com/simplenlg/xmlrealiser/UnWrapper.html#getNLGSpec(java.io.Reader))(java.io.Reader xmlReader) Create wrapper objects from xml for a request to realise, or the xml for a recording. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**UnwrapCoordinatePhraseSpec**](http://docs.google.com/simplenlg/xmlrealiser/UnWrapper.html#UnwrapCoordinatePhraseSpec(simplenlg.xmlrealiser.wrapper.XmlNLGElement))([XmlNLGElement](http://docs.google.com/simplenlg/xmlrealiser/wrapper/XmlNLGElement.html) wps) Unwraps a coordinate phrase. |
| * + [DocumentElement](http://docs.google.com/simplenlg/framework/DocumentElement.html) | * + [**UnwrapDocumentElement**](http://docs.google.com/simplenlg/xmlrealiser/UnWrapper.html#UnwrapDocumentElement(simplenlg.xmlrealiser.wrapper.XmlDocumentElement))([XmlDocumentElement](http://docs.google.com/simplenlg/xmlrealiser/wrapper/XmlDocumentElement.html) wt) Create simplenlg objects from wrapper objects. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**UnwrapNLGElement**](http://docs.google.com/simplenlg/xmlrealiser/UnWrapper.html#UnwrapNLGElement(simplenlg.xmlrealiser.wrapper.XmlNLGElement))([XmlNLGElement](http://docs.google.com/simplenlg/xmlrealiser/wrapper/XmlNLGElement.html) wps) Unwrap a simplenlg.xmlrealiser.wrapper.NLGElement and map it to a simplenlg.framework.NLGElement |
| * + void | * + [**UnwrapPhraseComponents**](http://docs.google.com/simplenlg/xmlrealiser/UnWrapper.html#UnwrapPhraseComponents(simplenlg.framework.PhraseElement,%20simplenlg.xmlrealiser.wrapper.XmlNLGElement))([PhraseElement](http://docs.google.com/simplenlg/framework/PhraseElement.html) hp, [XmlNLGElement](http://docs.google.com/simplenlg/xmlrealiser/wrapper/XmlNLGElement.html) wps) Unwrap the common phrase components (premodifiers, postmodifiers etc) that any simplenlg.xmlrealiser.wrapper.NLGElement can have, and map it to a simplenlg.framework.NLGElement |

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

### Constructor Detail

#### UnWrapper public UnWrapper([Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html) lexicon) Initialise an UnWrapper with a lexicon.Parameters:lexicon - the lexicon to use

### Method Detail

#### getNLGSpec public static [NLGSpec](http://docs.google.com/simplenlg/xmlrealiser/wrapper/NLGSpec.html) getNLGSpec(java.io.Reader xmlReader) throws [XMLRealiserException](http://docs.google.com/simplenlg/xmlrealiser/XMLRealiserException.html) Create wrapper objects from xml for a request to realise, or the xml for a recording. Both are elements of NLGSpec.Parameters:xmlReader - the xml reader Returns:the nLG spec Throws: [XMLRealiserException](http://docs.google.com/simplenlg/xmlrealiser/XMLRealiserException.html) - the xML realiser exception

#### UnwrapDocumentElement public [DocumentElement](http://docs.google.com/simplenlg/framework/DocumentElement.html) UnwrapDocumentElement([XmlDocumentElement](http://docs.google.com/simplenlg/xmlrealiser/wrapper/XmlDocumentElement.html) wt) Create simplenlg objects from wrapper objects.Parameters:wt - the wrapper DocumentElement object Returns:the document element

#### UnwrapNLGElement public [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) UnwrapNLGElement([XmlNLGElement](http://docs.google.com/simplenlg/xmlrealiser/wrapper/XmlNLGElement.html) wps) Unwrap a simplenlg.xmlrealiser.wrapper.NLGElement and map it to a simplenlg.framework.NLGElementParameters:wps - The wrapper object Returns:the NLGElement

#### UnwrapPhraseComponents public void UnwrapPhraseComponents([PhraseElement](http://docs.google.com/simplenlg/framework/PhraseElement.html) hp, [XmlNLGElement](http://docs.google.com/simplenlg/xmlrealiser/wrapper/XmlNLGElement.html) wps) Unwrap the common phrase components (premodifiers, postmodifiers etc) that any simplenlg.xmlrealiser.wrapper.NLGElement can have, and map it to a simplenlg.framework.NLGElementParameters:hp - the simplenlg.framework.NLGElement which is cuurrently being constructedwps - The wrapper object

#### UnwrapCoordinatePhraseSpec public [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) UnwrapCoordinatePhraseSpec([XmlNLGElement](http://docs.google.com/simplenlg/xmlrealiser/wrapper/XmlNLGElement.html) wps) Unwraps a coordinate phrase.Parameters:wps - the simplenlg.xmlrealiser.wrapper.NLGElement representing the phrase Returns:a simplenlg.framework.CoordinatedPhraseElement or null if the wrapper element is not a coordinate phrase.

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