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/XMLLexicon.html)
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simplenlg.lexicon

## Class XMLLexicon

* java.lang.Object
  + [simplenlg.lexicon.Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html)
    - simplenlg.lexicon.XMLLexicon
* public class XMLLexicon  
  extends [Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html)  
  This class loads words from an XML lexicon. All features specified in the lexicon are loadedAuthor: ereiter

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**XMLLexicon**](http://docs.google.com/simplenlg/lexicon/XMLLexicon.html#XMLLexicon())() |
| * + [**XMLLexicon**](http://docs.google.com/simplenlg/lexicon/XMLLexicon.html#XMLLexicon(java.io.File))(java.io.File file) Load an XML Lexicon from a File |
| * + [**XMLLexicon**](http://docs.google.com/simplenlg/lexicon/XMLLexicon.html#XMLLexicon(java.lang.String))(java.lang.String filename) Load an XML Lexicon from a named file |
| * + [**XMLLexicon**](http://docs.google.com/simplenlg/lexicon/XMLLexicon.html#XMLLexicon(java.net.URI))(java.net.URI lexiconURI) Load an XML Lexicon from a URI |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[WordElement](http://docs.google.com/simplenlg/framework/WordElement.html)> | * + [**getWords**](http://docs.google.com/simplenlg/lexicon/XMLLexicon.html#getWords(java.lang.String,%20simplenlg.framework.LexicalCategory))(java.lang.String baseForm, [LexicalCategory](http://docs.google.com/simplenlg/framework/LexicalCategory.html) category) returns all Words which have the specified base form and category |
| * + java.util.List<[WordElement](http://docs.google.com/simplenlg/framework/WordElement.html)> | * + [**getWordsByID**](http://docs.google.com/simplenlg/lexicon/XMLLexicon.html#getWordsByID(java.lang.String))(java.lang.String id) returns a List of WordElement which have this ID. |
| * + java.util.List<[WordElement](http://docs.google.com/simplenlg/framework/WordElement.html)> | * + [**getWordsFromVariant**](http://docs.google.com/simplenlg/lexicon/XMLLexicon.html#getWordsFromVariant(java.lang.String,%20simplenlg.framework.LexicalCategory))(java.lang.String variant, [LexicalCategory](http://docs.google.com/simplenlg/framework/LexicalCategory.html) category) returns Words which have an inflected form and/or spelling variant that matches the specified variant, and are in the specified category. |

### Methods inherited from class simplenlg.lexicon.[**Lexicon**](http://docs.google.com/simplenlg/lexicon/Lexicon.html)[close](http://docs.google.com/simplenlg/lexicon/Lexicon.html#close()), [getDefaultLexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getDefaultLexicon()), [getWord](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWord(java.lang.String)), [getWord](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWord(java.lang.String,%20simplenlg.framework.LexicalCategory)), [getWordByID](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWordByID(java.lang.String)), [getWordFromVariant](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWordFromVariant(java.lang.String)), [getWordFromVariant](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWordFromVariant(java.lang.String,%20simplenlg.framework.LexicalCategory)), [getWords](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWords(java.lang.String)), [getWordsFromVariant](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWordsFromVariant(java.lang.String)), [hasWord](http://docs.google.com/simplenlg/lexicon/Lexicon.html#hasWord(java.lang.String)), [hasWord](http://docs.google.com/simplenlg/lexicon/Lexicon.html#hasWord(java.lang.String,%20simplenlg.framework.LexicalCategory)), [hasWordByID](http://docs.google.com/simplenlg/lexicon/Lexicon.html#hasWordByID(java.lang.String)), [hasWordFromVariant](http://docs.google.com/simplenlg/lexicon/Lexicon.html#hasWordFromVariant(java.lang.String)), [hasWordFromVariant](http://docs.google.com/simplenlg/lexicon/Lexicon.html#hasWordFromVariant(java.lang.String,%20simplenlg.framework.LexicalCategory)), [lookupWord](http://docs.google.com/simplenlg/lexicon/Lexicon.html#lookupWord(java.lang.String)), [lookupWord](http://docs.google.com/simplenlg/lexicon/Lexicon.html#lookupWord(java.lang.String,%20simplenlg.framework.LexicalCategory))

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

### Constructor Detail

#### XMLLexicon public XMLLexicon(java.lang.String filename) Load an XML Lexicon from a named fileParameters:filename -

#### XMLLexicon public XMLLexicon(java.io.File file) Load an XML Lexicon from a FileParameters:file -

#### XMLLexicon public XMLLexicon(java.net.URI lexiconURI) Load an XML Lexicon from a URIParameters:lexiconURI -

#### XMLLexicon public XMLLexicon()

### Method Detail

#### getWords public java.util.List<[WordElement](http://docs.google.com/simplenlg/framework/WordElement.html)> getWords(java.lang.String baseForm, [LexicalCategory](http://docs.google.com/simplenlg/framework/LexicalCategory.html) category) **Description copied from class:**[**Lexicon**](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWords(java.lang.String,%20simplenlg.framework.LexicalCategory)) returns all Words which have the specified base form and category**Specified by:** [getWords](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWords(java.lang.String,%20simplenlg.framework.LexicalCategory)) in class [Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html) Parameters:baseForm - - base form of word, eg "be" or "dog" (not "is" or "dogs")category - - syntactic category of word (ANY for unknown) Returns:collection of all matching Words (may be empty)

#### getWordsByID public java.util.List<[WordElement](http://docs.google.com/simplenlg/framework/WordElement.html)> getWordsByID(java.lang.String id) **Description copied from class:**[**Lexicon**](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWordsByID(java.lang.String)) returns a List of WordElement which have this ID. IDs are lexicon-dependent, and should be unique. Therefore the list should contain either zero elements (if no such word exists) or one element (if the word is found)**Specified by:** [getWordsByID](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWordsByID(java.lang.String)) in class [Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html) Parameters:id - - internal lexicon ID for a word Returns:either empty list (if no word with this ID exists) or list containing the matching word

* + - getWordsFromVariant  
      public java.util.List<[WordElement](http://docs.google.com/simplenlg/framework/WordElement.html)> getWordsFromVariant(java.lang.String variant,  
       [LexicalCategory](http://docs.google.com/simplenlg/framework/LexicalCategory.html) category)  
      **Description copied from class:**[**Lexicon**](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWordsFromVariant(java.lang.String,%20simplenlg.framework.LexicalCategory))  
      returns Words which have an inflected form and/or spelling variant that matches the specified variant, and are in the specified category.  
      *Note:* the returned word list may not be complete, it depends on how it is implemented by the underlying lexicon**Specified by:** [getWordsFromVariant](http://docs.google.com/simplenlg/lexicon/Lexicon.html#getWordsFromVariant(java.lang.String,%20simplenlg.framework.LexicalCategory)) in class [Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html) Parameters:variant - - base form, inflected form, or spelling variant of wordcategory - - syntactic category of word (ANY for unknown) Returns:list of all matching Words (empty list if no matching WordElement found)

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