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/NIHDBLexicon.html)
* [Tree](http://docs.google.com/package-tree.html)
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* [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/lexicon/MultipleLexicon.html)
* [Next Class](http://docs.google.com/simplenlg/lexicon/XMLLexicon.html)
* [Frames](http://docs.google.com/index.html?simplenlg/lexicon/NIHDBLexicon.html)
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simplenlg.lexicon

## Class NIHDBLexicon

* java.lang.Object
  + [simplenlg.lexicon.Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html)
    - simplenlg.lexicon.NIHDBLexicon
* public class NIHDBLexicon  
  extends [Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html)  
  This class gets Words from the NIH Specialist LexiconAuthor: ereiter

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**NIHDBLexicon**](http://docs.google.com/simplenlg/lexicon/NIHDBLexicon.html#NIHDBLexicon(java.lang.String))(java.lang.String filename) set up lexicon using file which contains downloaded lexAccess HSQL DB and default passwords |
| * + [**NIHDBLexicon**](http://docs.google.com/simplenlg/lexicon/NIHDBLexicon.html#NIHDBLexicon(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String))(java.lang.String driver, java.lang.String url, java.lang.String username, java.lang.String password) set up lexicon using general DB parameters; DB must be NIH specialist lexicon from lexAccess |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [**close**](http://docs.google.com/simplenlg/lexicon/NIHDBLexicon.html#close())() close the lexicon (if necessary) if lexicon does not need to be closed, this does nothing |
| * + java.util.List<[WordElement](http://docs.google.com/simplenlg/framework/WordElement.html)> | * + [**getWords**](http://docs.google.com/simplenlg/lexicon/NIHDBLexicon.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/NIHDBLexicon.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/NIHDBLexicon.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. |
| * + boolean | * + [**isKeepStandardInflections**](http://docs.google.com/simplenlg/lexicon/NIHDBLexicon.html#isKeepStandardInflections())() reports whether Words include standard (derivable) inflections |
| * + void | * + [**setKeepStandardInflections**](http://docs.google.com/simplenlg/lexicon/NIHDBLexicon.html#setKeepStandardInflections(boolean))(boolean keepStandardInflections) set whether Words should include standard (derivable) inflections |

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

#### NIHDBLexicon public NIHDBLexicon(java.lang.String filename) set up lexicon using file which contains downloaded lexAccess HSQL DB and default passwordsParameters:filename - of HSQL DB

#### NIHDBLexicon public NIHDBLexicon(java.lang.String driver, java.lang.String url, java.lang.String username, java.lang.String password) set up lexicon using general DB parameters; DB must be NIH specialist lexicon from lexAccessParameters:driver - url - username - password -

### Method Detail

#### isKeepStandardInflections public boolean isKeepStandardInflections() reports whether Words include standard (derivable) inflectionsReturns:true if standard inflections are kept

#### setKeepStandardInflections public void setKeepStandardInflections(boolean keepStandardInflections) set whether Words should include standard (derivable) inflectionsParameters:keepStandardInflections - - if true, standard inflections are kept

#### 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)

#### close public void close() **Description copied from class:**[**Lexicon**](http://docs.google.com/simplenlg/lexicon/Lexicon.html#close()) close the lexicon (if necessary) if lexicon does not need to be closed, this does nothing**Overrides:** [close](http://docs.google.com/simplenlg/lexicon/Lexicon.html#close()) in class [Lexicon](http://docs.google.com/simplenlg/lexicon/Lexicon.html)

* [Overview](http://docs.google.com/overview-summary.html)
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* Class
* [Use](http://docs.google.com/class-use/NIHDBLexicon.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/lexicon/MultipleLexicon.html)
* [Next Class](http://docs.google.com/simplenlg/lexicon/XMLLexicon.html)
* [Frames](http://docs.google.com/index.html?simplenlg/lexicon/NIHDBLexicon.html)
* [No Frames](http://docs.google.com/NIHDBLexicon.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
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* [Method](#id.2et92p0)
* Detail:
* Field |
* [Constr](#id.1t3h5sf)|
* [Method](#id.17dp8vu)