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/PPPhraseSpec.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/phrasespec/NPPhraseSpec.html)
* [Next Class](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html)
* [Frames](http://docs.google.com/index.html?simplenlg/phrasespec/PPPhraseSpec.html)
* [No Frames](http://docs.google.com/PPPhraseSpec.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#id.3znysh7)|
* [Method](#id.2et92p0)
* Detail:
* Field |
* [Constr](#id.4d34og8)|
* [Method](#id.17dp8vu)

simplenlg.phrasespec

## Class PPPhraseSpec

* java.lang.Object
  + [simplenlg.framework.NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)
    - [simplenlg.framework.PhraseElement](http://docs.google.com/simplenlg/framework/PhraseElement.html)
      * simplenlg.phrasespec.PPPhraseSpec
* public class PPPhraseSpec  
  extends [PhraseElement](http://docs.google.com/simplenlg/framework/PhraseElement.html)
* This class defines a prepositional phrase. It is essentially a wrapper around the PhraseElement class, with methods for setting common constituents such as object. For example, the setPreposition method in this class sets the head of the element to be the specified preposition From an API perspective, this class is a simplified version of the PPPhraseSpec class in simplenlg V3. It provides an alternative way for creating syntactic structures, compared to directly manipulating a V4 PhraseElement. Methods are provided for setting and getting the following constituents:
  + Preposition (eg, "in")
  + Object (eg, "the shop")

NOTE: PPPhraseSpec do not usually have modifiers or (user-set) features PPPhraseSpec are produced by the createPrepositionalPhrase method of a PhraseFactory  
Version: 4.1 Author: E. Reiter, University of Aberdeen.

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**PPPhraseSpec**](http://docs.google.com/simplenlg/phrasespec/PPPhraseSpec.html#PPPhraseSpec(simplenlg.framework.NLGFactory))([NLGFactory](http://docs.google.com/simplenlg/framework/NLGFactory.html) phraseFactory) |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**getObject**](http://docs.google.com/simplenlg/phrasespec/PPPhraseSpec.html#getObject())() |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**getPreposition**](http://docs.google.com/simplenlg/phrasespec/PPPhraseSpec.html#getPreposition())() |
| * + void | * + [**setObject**](http://docs.google.com/simplenlg/phrasespec/PPPhraseSpec.html#setObject(java.lang.Object))(java.lang.Object object) Sets the object of a PP |
| * + void | * + [**setPreposition**](http://docs.google.com/simplenlg/phrasespec/PPPhraseSpec.html#setPreposition(java.lang.Object))(java.lang.Object preposition) sets the preposition (head) of a prepositional phrase |

### Methods inherited from class simplenlg.framework.[**PhraseElement**](http://docs.google.com/simplenlg/framework/PhraseElement.html)[addComplement](http://docs.google.com/simplenlg/framework/PhraseElement.html#addComplement(simplenlg.framework.NLGElement)), [addComplement](http://docs.google.com/simplenlg/framework/PhraseElement.html#addComplement(java.lang.String)), [addFrontModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#addFrontModifier(simplenlg.framework.NLGElement)), [addFrontModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#addFrontModifier(java.lang.String)), [addModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#addModifier(java.lang.Object)), [addPostModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#addPostModifier(simplenlg.framework.NLGElement)), [addPostModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#addPostModifier(java.lang.String)), [addPreModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#addPreModifier(simplenlg.framework.NLGElement)), [addPreModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#addPreModifier(java.lang.String)), [clearComplements](http://docs.google.com/simplenlg/framework/PhraseElement.html#clearComplements()), [getChildren](http://docs.google.com/simplenlg/framework/PhraseElement.html#getChildren()), [getFrontModifiers](http://docs.google.com/simplenlg/framework/PhraseElement.html#getFrontModifiers()), [getHead](http://docs.google.com/simplenlg/framework/PhraseElement.html#getHead()), [getPostModifiers](http://docs.google.com/simplenlg/framework/PhraseElement.html#getPostModifiers()), [getPreModifiers](http://docs.google.com/simplenlg/framework/PhraseElement.html#getPreModifiers()), [printTree](http://docs.google.com/simplenlg/framework/PhraseElement.html#printTree(java.lang.String)), [setComplement](http://docs.google.com/simplenlg/framework/PhraseElement.html#setComplement(simplenlg.framework.NLGElement)), [setComplement](http://docs.google.com/simplenlg/framework/PhraseElement.html#setComplement(java.lang.String)), [setDeterminer](http://docs.google.com/simplenlg/framework/PhraseElement.html#setDeterminer(java.lang.Object)), [setFrontModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#setFrontModifier(simplenlg.framework.NLGElement)), [setFrontModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#setFrontModifier(java.lang.String)), [setHead](http://docs.google.com/simplenlg/framework/PhraseElement.html#setHead(java.lang.Object)), [setPostModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#setPostModifier(simplenlg.framework.NLGElement)), [setPostModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#setPostModifier(java.lang.String)), [setPreModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#setPreModifier(simplenlg.framework.NLGElement)), [setPreModifier](http://docs.google.com/simplenlg/framework/PhraseElement.html#setPreModifier(java.lang.String))

### Methods inherited from class simplenlg.framework.[**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html)[clearAllFeatures](http://docs.google.com/simplenlg/framework/NLGElement.html#clearAllFeatures()), [equals](http://docs.google.com/simplenlg/framework/NLGElement.html#equals(java.lang.Object)), [equals](http://docs.google.com/simplenlg/framework/NLGElement.html#equals(java.lang.String)), [getAllFeatureNames](http://docs.google.com/simplenlg/framework/NLGElement.html#getAllFeatureNames()), [getAllFeatures](http://docs.google.com/simplenlg/framework/NLGElement.html#getAllFeatures()), [getCategory](http://docs.google.com/simplenlg/framework/NLGElement.html#getCategory()), [getFactory](http://docs.google.com/simplenlg/framework/NLGElement.html#getFactory()), [getFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeature(java.lang.String)), [getFeatureAsBoolean](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsBoolean(java.lang.String)), [getFeatureAsDouble](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsDouble(java.lang.String)), [getFeatureAsElement](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsElement(java.lang.String)), [getFeatureAsElementList](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsElementList(java.lang.String)), [getFeatureAsFloat](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsFloat(java.lang.String)), [getFeatureAsInteger](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsInteger(java.lang.String)), [getFeatureAsList](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsList(java.lang.String)), [getFeatureAsLong](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsLong(java.lang.String)), [getFeatureAsString](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsString(java.lang.String)), [getFeatureAsStringList](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsStringList(java.lang.String)), [getParent](http://docs.google.com/simplenlg/framework/NLGElement.html#getParent()), [getRealisation](http://docs.google.com/simplenlg/framework/NLGElement.html#getRealisation()), [getTense](http://docs.google.com/simplenlg/framework/NLGElement.html#getTense()), [hasFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#hasFeature(java.lang.String)), [isA](http://docs.google.com/simplenlg/framework/NLGElement.html#isA(simplenlg.framework.ElementCategory)), [isNegated](http://docs.google.com/simplenlg/framework/NLGElement.html#isNegated()), [isPlural](http://docs.google.com/simplenlg/framework/NLGElement.html#isPlural()), [removeFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#removeFeature(java.lang.String)), [setCategory](http://docs.google.com/simplenlg/framework/NLGElement.html#setCategory(simplenlg.framework.ElementCategory)), [setFactory](http://docs.google.com/simplenlg/framework/NLGElement.html#setFactory(simplenlg.framework.NLGFactory)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20boolean)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20double)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20float)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20int)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20long)), [setFeature](http://docs.google.com/simplenlg/framework/NLGElement.html#setFeature(java.lang.String,%20java.lang.Object)), [setNegated](http://docs.google.com/simplenlg/framework/NLGElement.html#setNegated(boolean)), [setParent](http://docs.google.com/simplenlg/framework/NLGElement.html#setParent(simplenlg.framework.NLGElement)), [setPlural](http://docs.google.com/simplenlg/framework/NLGElement.html#setPlural(boolean)), [setRealisation](http://docs.google.com/simplenlg/framework/NLGElement.html#setRealisation(java.lang.String)), [setTense](http://docs.google.com/simplenlg/framework/NLGElement.html#setTense(simplenlg.features.Tense)), [toString](http://docs.google.com/simplenlg/framework/NLGElement.html#toString())

### Methods inherited from class java.lang.ObjectgetClass, hashCode, notify, notifyAll, wait, wait, wait

### Constructor Detail

#### PPPhraseSpec public PPPhraseSpec([NLGFactory](http://docs.google.com/simplenlg/framework/NLGFactory.html) phraseFactory)

### Method Detail

#### setPreposition public void setPreposition(java.lang.Object preposition) sets the preposition (head) of a prepositional phraseParameters:preposition -

#### getPreposition public [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) getPreposition()Returns:preposition (head) of prepositional phrase

#### setObject public void setObject(java.lang.Object object) Sets the object of a PPParameters:object -

#### getObject public [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) getObject()Returns:object of PP (assume only one)

* [Overview](http://docs.google.com/overview-summary.html)
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* [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)
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