JavaScript is disabled on your browser.

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simplenlg.framework

## Class CoordinatedPhraseElement

* java.lang.Object
  + [simplenlg.framework.NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)
    - simplenlg.framework.CoordinatedPhraseElement
* public class CoordinatedPhraseElement  
  extends [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)  
  This class defines coordination between two or more phrases. Coordination involves the linking of phrases together through the use of key words such as *and* or *but*.  
  The class does not perform any ordering on the coordinates and when realised they appear in the same order they were added to the coordination.  
  As this class appears similar to the PhraseElement class from an API point of view, it could have extended from the PhraseElement class. However, they are fundamentally different in their nature and thus form two distinct classes with similar APIs.Version: 4.0 Author: D. Westwater, University of Aberdeen.

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**CoordinatedPhraseElement**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#CoordinatedPhraseElement())() Creates a blank coordinated phrase ready for new coordinates to be added. |
| * + [**CoordinatedPhraseElement**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#CoordinatedPhraseElement(java.lang.Object,%20java.lang.Object))(java.lang.Object coordinate1, java.lang.Object coordinate2) Creates a coordinated phrase linking the two phrase together. |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [**addComplement**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#addComplement(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newComplement) Adds a new complement to the phrase element. |
| * + void | * + [**addComplement**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#addComplement(java.lang.String))(java.lang.String newComplement) Adds a new complement to the phrase element. |
| * + void | * + [**addCoordinate**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#addCoordinate(java.lang.Object))(java.lang.Object newCoordinate) Adds a new coordinate to this coordination. |
| * + void | * + [**addPostModifier**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#addPostModifier(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newPostModifier) Adds a new post-modifier to the phrase element. |
| * + void | * + [**addPostModifier**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#addPostModifier(java.lang.String))(java.lang.String newPostModifier) Adds a new post-modifier to the phrase element. |
| * + void | * + [**addPreModifier**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#addPreModifier(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newPreModifier) Adds a new pre-modifier to the phrase element. |
| * + void | * + [**addPreModifier**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#addPreModifier(java.lang.String))(java.lang.String newPreModifier) Adds a new pre-modifier to the phrase element. |
| * + boolean | * + [**checkIfPlural**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#checkIfPlural())() |
| * + void | * + [**clearCoordinates**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#clearCoordinates())() Clears the existing coordinates in this coordination. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + [**getChildren**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getChildren())() Retrieves the children for this element. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + [**getComplements**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getComplements())() Retrieves the list of complements currently associated with this coordination. |
| * + java.lang.String | * + [**getConjunction**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getConjunction())() |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**getLastCoordinate**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getLastCoordinate())() A convenience method for retrieving the last coordinate in this coordination. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + [**getPostModifiers**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getPostModifiers())() Retrieves the list of post-modifiers currently associated with this coordination. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + [**getPreModifiers**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getPreModifiers())() Retrieves the list of pre-modifiers currently associated with this coordination. |
| * + java.lang.String | * + [**printTree**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#printTree(java.lang.String))(java.lang.String indent) |
| * + void | * + [**setConjunction**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#setConjunction(java.lang.String))(java.lang.String conjunction) set the conjunction to be used in a coordinatedphraseelement |

### 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

#### CoordinatedPhraseElement public CoordinatedPhraseElement() Creates a blank coordinated phrase ready for new coordinates to be added. The default conjunction used is *and*.

#### CoordinatedPhraseElement public CoordinatedPhraseElement(java.lang.Object coordinate1, java.lang.Object coordinate2) Creates a coordinated phrase linking the two phrase together. The default conjunction used is *and*.Parameters:coordinate1 - the first coordinate.coordinate2 - the second coordinate.

### Method Detail

#### addCoordinate public void addCoordinate(java.lang.Object newCoordinate) Adds a new coordinate to this coordination. If the new coordinate is a NLGElement then it is added directly to the coordination. If the new coordinate is a String a StringElement is created and added to the coordination. StringElements will have their complementisers suppressed by default. In the case of clauses, complementisers will be suppressed if the clause is not the first element in the coordination.Parameters:newCoordinate - the new coordinate to be added.

#### getChildren public java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> getChildren() **Description copied from class:**[**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html#getChildren()) Retrieves the children for this element. This method needs to be overridden for each specific type of element. Each type of element will have its own way of determining the child elements.**Specified by:** [getChildren](http://docs.google.com/simplenlg/framework/NLGElement.html#getChildren()) in class [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) Returns:a List of NLGElements representing the children of this element.

#### clearCoordinates public void clearCoordinates() Clears the existing coordinates in this coordination. It performs exactly the same as removeFeature(Feature.COORDINATES).

#### addPreModifier public void addPreModifier([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newPreModifier) Adds a new pre-modifier to the phrase element. Pre-modifiers will be realised in the syntax before the coordinates.Parameters:newPreModifier - the new pre-modifier as an NLGElement.

#### addPreModifier public void addPreModifier(java.lang.String newPreModifier) Adds a new pre-modifier to the phrase element. Pre-modifiers will be realised in the syntax before the coordinates.Parameters:newPreModifier - the new pre-modifier as a String. It is used to create a StringElement.

#### getPreModifiers public java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> getPreModifiers() Retrieves the list of pre-modifiers currently associated with this coordination.Returns:a List of NLGElements.

#### getComplements public java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> getComplements() Retrieves the list of complements currently associated with this coordination.Returns:a List of NLGElements.

#### addPostModifier public void addPostModifier([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newPostModifier) Adds a new post-modifier to the phrase element. Post-modifiers will be realised in the syntax after the coordinates.Parameters:newPostModifier - the new post-modifier as an NLGElement.

#### addPostModifier public void addPostModifier(java.lang.String newPostModifier) Adds a new post-modifier to the phrase element. Post-modifiers will be realised in the syntax after the coordinates.Parameters:newPostModifier - the new post-modifier as a String. It is used to create a StringElement.

#### getPostModifiers public java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> getPostModifiers() Retrieves the list of post-modifiers currently associated with this coordination.Returns:a List of NLGElements.

#### printTree public java.lang.String printTree(java.lang.String indent)**Overrides:** [printTree](http://docs.google.com/simplenlg/framework/NLGElement.html#printTree(java.lang.String)) in class [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

#### addComplement public void addComplement([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newComplement) Adds a new complement to the phrase element. Complements will be realised in the syntax after the coordinates. Complements differ from post-modifiers in that complements are crucial to the understanding of a phrase whereas post-modifiers are optional.Parameters:newComplement - the new complement as an NLGElement.

#### addComplement public void addComplement(java.lang.String newComplement) Adds a new complement to the phrase element. Complements will be realised in the syntax after the coordinates. Complements differ from post-modifiers in that complements are crucial to the understanding of a phrase whereas post-modifiers are optional.Parameters:newComplement - the new complement as a String. It is used to create a StringElement.

#### getLastCoordinate public [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) getLastCoordinate() A convenience method for retrieving the last coordinate in this coordination.Returns:the last coordinate as represented by a NLGElement

#### setConjunction public void setConjunction(java.lang.String conjunction) set the conjunction to be used in a coordinatedphraseelementParameters:conjunction -

#### getConjunction public java.lang.String getConjunction()Returns:conjunction used in coordinatedPhraseElement

#### checkIfPlural public boolean checkIfPlural()Returns:true if this coordinate is plural in a syntactic sense

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
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* [Use](http://docs.google.com/class-use/CoordinatedPhraseElement.html)
* [Tree](http://docs.google.com/package-tree.html)
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