JavaScript is disabled on your browser.

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* [Class](http://docs.google.com/simplenlg/framework/NLGElement.html)
* Use
* [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
* Next
* [Frames](http://docs.google.com/index.html?simplenlg/framework/class-use/NLGElement.html)
* [No Frames](http://docs.google.com/NLGElement.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

## 

Uses of Class

simplenlg.framework.NLGElement

* Packages that use [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| --- | --- |
| * Package | * Description |
| * [simplenlg.aggregation](#id.3znysh7) |  |
| * [simplenlg.format.english](#id.2et92p0) | * The format package currently contains only a single class, a plain text processor for English. |
| * [simplenlg.framework](#id.tyjcwt) | * The framework package contains the base components required for running the SimpleNLG package. |
| * [simplenlg.morphology.english](#id.3dy6vkm) | * This package contains the necessary classes for running the morphology processor for the English language. |
| * [simplenlg.orthography.english](#id.1t3h5sf) | * The orthography package currently contains only a single class, the Orthography Processor for English. |
| * [simplenlg.phrasespec](#id.4d34og8) |  |
| * [simplenlg.realiser.english](#id.2s8eyo1) |  |
| * [simplenlg.syntax.english](#id.17dp8vu) | * This package contains the necessary classes for running the syntax processor for the English language. |
| * [simplenlg.xmlrealiser](#id.3rdcrjn) |  |

### Uses of [**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html) in [**simplenlg.aggregation**](http://docs.google.com/simplenlg/aggregation/package-summary.html)Methods in [simplenlg.aggregation](http://docs.google.com/simplenlg/aggregation/package-summary.html) that return [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + AggregationRule.[**apply**](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#apply(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) phrase) Perform aggregation on a single phrase. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + ForwardConjunctionReductionRule.[**apply**](http://docs.google.com/simplenlg/aggregation/ForwardConjunctionReductionRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) previous, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) next) Applies forward conjunction reduction to two NLGElements e1 and e2, succeeding only if they are clauses (that is, e1.getCategory() == e2.getCategory == [PhraseCategory.CLAUSE](http://docs.google.com/simplenlg/framework/PhraseCategory.html#CLAUSE)) and the clauses are not passive. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + ClauseCoordinationRule.[**apply**](http://docs.google.com/simplenlg/aggregation/ClauseCoordinationRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) previous, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) next) Applies aggregation to two NLGElements e1 and e2, succeeding only if they are clauses (that is, e1.getCategory() == e2.getCategory == [PhraseCategory.CLAUSE](http://docs.google.com/simplenlg/framework/PhraseCategory.html#CLAUSE)). |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + BackwardConjunctionReductionRule.[**apply**](http://docs.google.com/simplenlg/aggregation/BackwardConjunctionReductionRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) previous, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) next) Applies backward conjunction reduction to two NLGElements e1 and e2, succeeding only if they are clauses (that is, e1.getCategory() == e2.getCategory == [PhraseCategory.CLAUSE](http://docs.google.com/simplenlg/framework/PhraseCategory.html#CLAUSE)). |
| * + abstract [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + AggregationRule.[**apply**](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) sentence1, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) sentence2) Performs aggregation on a pair of sentences. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NewAggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/NewAggregator.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + Aggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/Aggregator.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) Apply aggregation to a single phrase. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NewAggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/NewAggregator.html#realise(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) phrase1, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) phrase2) |

* + Methods in [simplenlg.aggregation](http://docs.google.com/simplenlg/aggregation/package-summary.html) that return types with arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + AggregationRule.[**apply**](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#apply(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> phrases) Performs aggregation on an arbitrary number of elements in a list. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + FunctionalSet.[**getComponents**](http://docs.google.com/simplenlg/aggregation/FunctionalSet.html#getComponents())() |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + NewAggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/NewAggregator.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + Aggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/Aggregator.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) Apply aggregation to a list of elements. |

* + Methods in [simplenlg.aggregation](http://docs.google.com/simplenlg/aggregation/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + PhraseSet.[**addPhrase**](http://docs.google.com/simplenlg/aggregation/PhraseSet.html#addPhrase(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) phrase) Add a phrase |
| * + static boolean | * + PhraseChecker.[**allActive**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#allActive(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether all sentences are active |
| * + static boolean | * + PhraseChecker.[**allPassive**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#allPassive(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether all sentences are passive |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + AggregationRule.[**apply**](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#apply(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) phrase) Perform aggregation on a single phrase. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + ForwardConjunctionReductionRule.[**apply**](http://docs.google.com/simplenlg/aggregation/ForwardConjunctionReductionRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) previous, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) next) Applies forward conjunction reduction to two NLGElements e1 and e2, succeeding only if they are clauses (that is, e1.getCategory() == e2.getCategory == [PhraseCategory.CLAUSE](http://docs.google.com/simplenlg/framework/PhraseCategory.html#CLAUSE)) and the clauses are not passive. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + ClauseCoordinationRule.[**apply**](http://docs.google.com/simplenlg/aggregation/ClauseCoordinationRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) previous, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) next) Applies aggregation to two NLGElements e1 and e2, succeeding only if they are clauses (that is, e1.getCategory() == e2.getCategory == [PhraseCategory.CLAUSE](http://docs.google.com/simplenlg/framework/PhraseCategory.html#CLAUSE)). |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + BackwardConjunctionReductionRule.[**apply**](http://docs.google.com/simplenlg/aggregation/BackwardConjunctionReductionRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) previous, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) next) Applies backward conjunction reduction to two NLGElements e1 and e2, succeeding only if they are clauses (that is, e1.getCategory() == e2.getCategory == [PhraseCategory.CLAUSE](http://docs.google.com/simplenlg/framework/PhraseCategory.html#CLAUSE)). |
| * + abstract [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + AggregationRule.[**apply**](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) sentence1, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) sentence2) Performs aggregation on a pair of sentences. |
| * + static java.util.List<[FunctionalSet](http://docs.google.com/simplenlg/aggregation/FunctionalSet.html)> | * + AggregationHelper.[**collectFunctionalPairs**](http://docs.google.com/simplenlg/aggregation/AggregationHelper.html#collectFunctionalPairs(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) phrase1, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) phrase2) |
| * + static boolean | * + PhraseChecker.[**expletiveSubjects**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#expletiveSubjects(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether these sentences have expletive subjects (there, it etc) |
| * + static boolean | * + PhraseChecker.[**haveSameVoice**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#haveSameVoice(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied are either all active or all passive. |
| * + static java.util.List<[PhraseSet](http://docs.google.com/simplenlg/aggregation/PhraseSet.html)> | * + PhraseChecker.[**leftPeriphery**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#leftPeriphery(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Collect a list of pairs of constituents with the same syntactic function from the left periphery of two sentences. |
| * + static [FunctionalSet](http://docs.google.com/simplenlg/aggregation/FunctionalSet.html) | * + FunctionalSet.[**newInstance**](http://docs.google.com/simplenlg/aggregation/FunctionalSet.html#newInstance(simplenlg.features.DiscourseFunction,%20simplenlg.framework.ElementCategory,%20simplenlg.aggregation.Periphery,%20simplenlg.framework.NLGElement...))([DiscourseFunction](http://docs.google.com/simplenlg/features/DiscourseFunction.html) func, [ElementCategory](http://docs.google.com/simplenlg/framework/ElementCategory.html) category, [Periphery](http://docs.google.com/simplenlg/aggregation/Periphery.html) periphery, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... components) |
| * + static boolean | * + PhraseChecker.[**nonePassive**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#nonePassive(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that no element of a give array of sentences is passive. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NewAggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/NewAggregator.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + Aggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/Aggregator.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) Apply aggregation to a single phrase. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NewAggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/NewAggregator.html#realise(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) phrase1, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) phrase2) |
| * + static java.util.List<[PhraseSet](http://docs.google.com/simplenlg/aggregation/PhraseSet.html)> | * + PhraseChecker.[**rightPeriphery**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#rightPeriphery(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Collect a list of pairs of constituents with the same syntactic function from the right periphery of two sentences. |
| * + static boolean | * + PhraseChecker.[**sameFrontMods**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameFrontMods(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have identical front modifiers |
| * + static boolean | * + PhraseChecker.[**samePostMods**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#samePostMods(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that some phrases have the same postmodifiers |
| * + static boolean | * + PhraseChecker.[**sameSentences**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameSentences(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied are identical |
| * + static boolean | * + PhraseChecker.[**sameSubjects**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameSubjects(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have identical subjects |
| * + static boolean | * + PhraseChecker.[**sameSurfaceSubjects**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameSurfaceSubjects(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether the sentences have the same *surface* subjects, that is, they are either all active and have the same subjects, or all passive and have the same passive raising subjects. |
| * + static boolean | * + PhraseChecker.[**sameVP**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameVP(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have identical verb phrases |
| * + static boolean | * + PhraseChecker.[**sameVPArgs**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameVPArgs(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have the same complements at VP level. |
| * + static boolean | * + PhraseChecker.[**sameVPHead**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameVPHead(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that a list of sentences have the same verb |
| * + static boolean | * + PhraseChecker.[**sameVPModifiers**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameVPModifiers(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) check that the phrases supplied are sentences and have the same VP premodifiers and postmodifiers |

* + Method parameters in [simplenlg.aggregation](http://docs.google.com/simplenlg/aggregation/package-summary.html) with type arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + PhraseSet.[**addPhrases**](http://docs.google.com/simplenlg/aggregation/PhraseSet.html#addPhrases(java.util.Collection))(java.util.Collection<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> phrases) Add a collection of phrases. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + AggregationRule.[**apply**](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#apply(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> phrases) Performs aggregation on an arbitrary number of elements in a list. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + NewAggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/NewAggregator.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + Aggregator.[**realise**](http://docs.google.com/simplenlg/aggregation/Aggregator.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) Apply aggregation to a list of elements. |

* + Constructors in [simplenlg.aggregation](http://docs.google.com/simplenlg/aggregation/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| --- |
| * + Constructor and Description |
| * + [**PhraseSet**](http://docs.google.com/simplenlg/aggregation/PhraseSet.html#PhraseSet(simplenlg.features.DiscourseFunction,%20simplenlg.framework.NLGElement...))([DiscourseFunction](http://docs.google.com/simplenlg/features/DiscourseFunction.html) function, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... phrases) Construct a set of compatible phrases and their function |

### Uses of [**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html) in [**simplenlg.format.english**](http://docs.google.com/simplenlg/format/english/package-summary.html)Methods in [simplenlg.format.english](http://docs.google.com/simplenlg/format/english/package-summary.html) that return [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + TextFormatter.[**realise**](http://docs.google.com/simplenlg/format/english/TextFormatter.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + HTMLFormatter.[**realise**](http://docs.google.com/simplenlg/format/english/HTMLFormatter.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |

* + Methods in [simplenlg.format.english](http://docs.google.com/simplenlg/format/english/package-summary.html) that return types with arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + TextFormatter.[**realise**](http://docs.google.com/simplenlg/format/english/TextFormatter.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + HTMLFormatter.[**realise**](http://docs.google.com/simplenlg/format/english/HTMLFormatter.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

* + Methods in [simplenlg.format.english](http://docs.google.com/simplenlg/format/english/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + TextFormatter.[**realise**](http://docs.google.com/simplenlg/format/english/TextFormatter.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + HTMLFormatter.[**realise**](http://docs.google.com/simplenlg/format/english/HTMLFormatter.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |

* + Method parameters in [simplenlg.format.english](http://docs.google.com/simplenlg/format/english/package-summary.html) with type arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + TextFormatter.[**realise**](http://docs.google.com/simplenlg/format/english/TextFormatter.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + HTMLFormatter.[**realise**](http://docs.google.com/simplenlg/format/english/HTMLFormatter.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

### Uses of [**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html) in [**simplenlg.framework**](http://docs.google.com/simplenlg/framework/package-summary.html)Subclasses of [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) in [simplenlg.framework](http://docs.google.com/simplenlg/framework/package-summary.html)

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| * + Modifier and Type | * + Class and Description |
| * + class | * + [**CoordinatedPhraseElement**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html) This class defines coordination between two or more phrases. |
| * + class | * + [**DocumentElement**](http://docs.google.com/simplenlg/framework/DocumentElement.html) DocumentElement is a convenient extension of the base NLGElement class. |
| * + class | * + [**InflectedWordElement**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) This class defines the NLGElement that is used to represent an word that requires inflection by the morphology. |
| * + class | * + [**ListElement**](http://docs.google.com/simplenlg/framework/ListElement.html) ListElement is used to define elements that can be grouped together and treated in a similar manner. |
| * + class | * + [**PhraseElement**](http://docs.google.com/simplenlg/framework/PhraseElement.html) This class defines a phrase. |
| * + class | * + [**StringElement**](http://docs.google.com/simplenlg/framework/StringElement.html) This class defines an element for representing canned text within the SimpleNLG library. |
| * + class | * + [**WordElement**](http://docs.google.com/simplenlg/framework/WordElement.html) This is the class for a lexical entry (ie, a word). |

* + Methods in [simplenlg.framework](http://docs.google.com/simplenlg/framework/package-summary.html) that return [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGFactory.[**createInflectedWord**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createInflectedWord(java.lang.Object,%20simplenlg.framework.LexicalCategory))(java.lang.Object word, [LexicalCategory](http://docs.google.com/simplenlg/framework/LexicalCategory.html) category) Create an inflected word element. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGFactory.[**createNLGElement**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createNLGElement(java.lang.Object))(java.lang.Object element) create an NLGElement from the element, no default lexical category |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGFactory.[**createNLGElement**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createNLGElement(java.lang.Object,%20simplenlg.framework.LexicalCategory))(java.lang.Object element, [LexicalCategory](http://docs.google.com/simplenlg/framework/LexicalCategory.html) category) this method creates an NLGElement from an object If object is null, return null If the object is already an NLGElement, it is returned unchanged Exception: if it is an InflectedWordElement, return underlying WordElement If it is a String which matches a lexicon entry or pronoun, the relevant WordElement is returned If it is a different String, a wordElement is created if the string is a single word Otherwise a StringElement is returned Otherwise throw an exception |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGFactory.[**createStringElement**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createStringElement())() Creates a blank canned text phrase with no text. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGFactory.[**createStringElement**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createStringElement(java.lang.String))(java.lang.String text) Creates a canned text phrase with the given text. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGFactory.[**createWord**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createWord(java.lang.Object,%20simplenlg.framework.LexicalCategory))(java.lang.Object word, [LexicalCategory](http://docs.google.com/simplenlg/framework/LexicalCategory.html) category) Creates a new element representing a word. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGElement.[**getFeatureAsElement**](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsElement(java.lang.String))(java.lang.String featureName) Retrieves the value of the feature as a NLGElement. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + ListElement.[**getFirst**](http://docs.google.com/simplenlg/framework/ListElement.html#getFirst())() Retrieves the first component in the list. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + PhraseElement.[**getHead**](http://docs.google.com/simplenlg/framework/PhraseElement.html#getHead())() Retrieves the current head of this phrase. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + CoordinatedPhraseElement.[**getLastCoordinate**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getLastCoordinate())() A convenience method for retrieving the last coordinate in this coordination. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGElement.[**getParent**](http://docs.google.com/simplenlg/framework/NLGElement.html#getParent())() Retrieves the parent of this element. |
| * + abstract [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGModule.[**realise**](http://docs.google.com/simplenlg/framework/NLGModule.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) Realises the given element. |

* + Methods in [simplenlg.framework](http://docs.google.com/simplenlg/framework/package-summary.html) that return types with arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + WordElement.[**getChildren**](http://docs.google.com/simplenlg/framework/WordElement.html#getChildren())() This method returns an empty List as words do not have child elements. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + StringElement.[**getChildren**](http://docs.google.com/simplenlg/framework/StringElement.html#getChildren())() The string element contains no children so this method will always return an empty list. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + PhraseElement.[**getChildren**](http://docs.google.com/simplenlg/framework/PhraseElement.html#getChildren())() This method retrieves the child components of this phrase. |
| * + abstract java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + NLGElement.[**getChildren**](http://docs.google.com/simplenlg/framework/NLGElement.html#getChildren())() Retrieves the children for this element. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + ListElement.[**getChildren**](http://docs.google.com/simplenlg/framework/ListElement.html#getChildren())() |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + InflectedWordElement.[**getChildren**](http://docs.google.com/simplenlg/framework/InflectedWordElement.html#getChildren())() This method returns null as the inflected word has no child components. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + DocumentElement.[**getChildren**](http://docs.google.com/simplenlg/framework/DocumentElement.html#getChildren())() Child elements of a DocumentElement are the components. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + CoordinatedPhraseElement.[**getChildren**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getChildren())() |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + CoordinatedPhraseElement.[**getComplements**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getComplements())() Retrieves the list of complements currently associated with this coordination. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + DocumentElement.[**getComponents**](http://docs.google.com/simplenlg/framework/DocumentElement.html#getComponents())() Retrieves the child components of this element. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + NLGElement.[**getFeatureAsElementList**](http://docs.google.com/simplenlg/framework/NLGElement.html#getFeatureAsElementList(java.lang.String))(java.lang.String featureName) Retrieves the value of the feature as a list of elements. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + PhraseElement.[**getFrontModifiers**](http://docs.google.com/simplenlg/framework/PhraseElement.html#getFrontModifiers())() Retrieves the current list of frony modifiers for the phrase. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + PhraseElement.[**getPostModifiers**](http://docs.google.com/simplenlg/framework/PhraseElement.html#getPostModifiers())() Retrieves the current list of post modifiers for the phrase. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + CoordinatedPhraseElement.[**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)> | * + PhraseElement.[**getPreModifiers**](http://docs.google.com/simplenlg/framework/PhraseElement.html#getPreModifiers())() Retrieves the current list of pre-modifiers for the phrase. |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + CoordinatedPhraseElement.[**getPreModifiers**](http://docs.google.com/simplenlg/framework/CoordinatedPhraseElement.html#getPreModifiers())() Retrieves the list of pre-modifiers currently associated with this coordination. |
| * + abstract java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + NLGModule.[**realise**](http://docs.google.com/simplenlg/framework/NLGModule.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) Realises a List of NLGElements usually by iteratively calling the realise(NLGElement) method on each element in the list and adding the result into a new a List |

* + Methods in [simplenlg.framework](http://docs.google.com/simplenlg/framework/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| * + Modifier and Type | * + Method and Description |
| * + void | * + PhraseElement.[**addComplement**](http://docs.google.com/simplenlg/framework/PhraseElement.html#addComplement(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newComplement) Adds a new complement to the phrase element. |
| * + void | * + CoordinatedPhraseElement.[**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 | * + ListElement.[**addComponent**](http://docs.google.com/simplenlg/framework/ListElement.html#addComponent(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newComponent) Adds the given component to the list element. |
| * + void | * + DocumentElement.[**addComponent**](http://docs.google.com/simplenlg/framework/DocumentElement.html#addComponent(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) Add a single child component to the current list of child components. |
| * + void | * + PhraseElement.[**addFrontModifier**](http://docs.google.com/simplenlg/framework/PhraseElement.html#addFrontModifier(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newFrontModifier) Adds a new front modifier to the phrase element. |
| * + void | * + PhraseElement.[**addPostModifier**](http://docs.google.com/simplenlg/framework/PhraseElement.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 | * + CoordinatedPhraseElement.[**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 | * + PhraseElement.[**addPreModifier**](http://docs.google.com/simplenlg/framework/PhraseElement.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 | * + CoordinatedPhraseElement.[**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. |
| * + [DocumentElement](http://docs.google.com/simplenlg/framework/DocumentElement.html) | * + NLGFactory.[**createDocument**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createDocument(java.lang.String,%20simplenlg.framework.NLGElement))(java.lang.String title, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) component) Creates a new document element with the given title and adds the given component. |
| * + [DocumentElement](http://docs.google.com/simplenlg/framework/DocumentElement.html) | * + NLGFactory.[**createList**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createList(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) component) Creates a new section element with the given title and adds the given component. |
| * + [DocumentElement](http://docs.google.com/simplenlg/framework/DocumentElement.html) | * + NLGFactory.[**createListItem**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createListItem(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) component) Creates a list item for adding to a list element. |
| * + [DocumentElement](http://docs.google.com/simplenlg/framework/DocumentElement.html) | * + NLGFactory.[**createParagraph**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createParagraph(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) component) Creates a new paragraph element and adds the given component |
| * + [DocumentElement](http://docs.google.com/simplenlg/framework/DocumentElement.html) | * + NLGFactory.[**createSection**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createSection(java.lang.String,%20simplenlg.framework.NLGElement))(java.lang.String title, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) component) Creates a new section element with the given title and adds the given component. |
| * + [DocumentElement](http://docs.google.com/simplenlg/framework/DocumentElement.html) | * + NLGFactory.[**createSentence**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createSentence(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) components) Creates a new sentence element |
| * + abstract [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NLGModule.[**realise**](http://docs.google.com/simplenlg/framework/NLGModule.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) Realises the given element. |
| * + boolean | * + DocumentElement.[**removeComponent**](http://docs.google.com/simplenlg/framework/DocumentElement.html#removeComponent(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) textComponent) Removes the specified component from the list of child components. |
| * + void | * + PhraseElement.[**setComplement**](http://docs.google.com/simplenlg/framework/PhraseElement.html#setComplement(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newComplement) Sets a complement of the phrase element. |
| * + void | * + PhraseElement.[**setFrontModifier**](http://docs.google.com/simplenlg/framework/PhraseElement.html#setFrontModifier(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newFrontModifier) Set the front modifier for this phrase. |
| * + void | * + NLGElement.[**setParent**](http://docs.google.com/simplenlg/framework/NLGElement.html#setParent(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newParent) Sets the parent element of this element. |
| * + void | * + PhraseElement.[**setPostModifier**](http://docs.google.com/simplenlg/framework/PhraseElement.html#setPostModifier(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newPostModifier) Set the postmodifier for this phrase. |
| * + void | * + PhraseElement.[**setPreModifier**](http://docs.google.com/simplenlg/framework/PhraseElement.html#setPreModifier(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newPreModifier) Set the premodifier for this phrase. |

* + Method parameters in [simplenlg.framework](http://docs.google.com/simplenlg/framework/package-summary.html) with type arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| * + Modifier and Type | * + Method and Description |
| * + void | * + ListElement.[**addComponents**](http://docs.google.com/simplenlg/framework/ListElement.html#addComponents(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> newComponents) Adds the given components to the list element. |
| * + [DocumentElement](http://docs.google.com/simplenlg/framework/DocumentElement.html) | * + NLGFactory.[**createSentence**](http://docs.google.com/simplenlg/framework/NLGFactory.html#createSentence(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> components) Creates a new sentence element and adds all of the given components. |
| * + abstract java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + NLGModule.[**realise**](http://docs.google.com/simplenlg/framework/NLGModule.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) Realises a List of NLGElements usually by iteratively calling the realise(NLGElement) method on each element in the list and adding the result into a new a List |
| * + void | * + ListElement.[**setComponents**](http://docs.google.com/simplenlg/framework/ListElement.html#setComponents(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> newComponents) Replaces the current components in the list element with the given list. |
| * + void | * + DocumentElement.[**setComponents**](http://docs.google.com/simplenlg/framework/DocumentElement.html#setComponents(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> components) Replaces the existing components with the supplied list of components. |

* + Constructors in [simplenlg.framework](http://docs.google.com/simplenlg/framework/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| * + Constructor and Description |
| * + [**ListElement**](http://docs.google.com/simplenlg/framework/ListElement.html#ListElement(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newComponent) Creates a new list element containing the given component. |

* + Constructor parameters in [simplenlg.framework](http://docs.google.com/simplenlg/framework/package-summary.html) with type arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| * + Constructor and Description |
| * + [**ListElement**](http://docs.google.com/simplenlg/framework/ListElement.html#ListElement(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> components) Creates a new list element containing the given components. |

### Uses of [**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html) in [**simplenlg.morphology.english**](http://docs.google.com/simplenlg/morphology/english/package-summary.html)Methods in [simplenlg.morphology.english](http://docs.google.com/simplenlg/morphology/english/package-summary.html) that return [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| * + Modifier and Type | * + Method and Description |
| * + static [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + MorphologyRules.[**doAdjectiveMorphology**](http://docs.google.com/simplenlg/morphology/english/MorphologyRules.html#doAdjectiveMorphology(simplenlg.framework.InflectedWordElement,%20simplenlg.framework.WordElement))([InflectedWordElement](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) element, [WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) baseWord) This method performs the morphology for adjectives. |
| * + static [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + MorphologyRules.[**doAdverbMorphology**](http://docs.google.com/simplenlg/morphology/english/MorphologyRules.html#doAdverbMorphology(simplenlg.framework.InflectedWordElement,%20simplenlg.framework.WordElement))([InflectedWordElement](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) element, [WordElement](http://docs.google.com/simplenlg/framework/WordElement.html) baseWord) This method performs the morphology for adverbs. |
| * + static [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + MorphologyRules.[**doPronounMorphology**](http://docs.google.com/simplenlg/morphology/english/MorphologyRules.html#doPronounMorphology(simplenlg.framework.InflectedWordElement))([InflectedWordElement](http://docs.google.com/simplenlg/framework/InflectedWordElement.html) element) This method performs the morphology for pronouns. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + MorphologyProcessor.[**realise**](http://docs.google.com/simplenlg/morphology/english/MorphologyProcessor.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |

* + Methods in [simplenlg.morphology.english](http://docs.google.com/simplenlg/morphology/english/package-summary.html) that return types with arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + MorphologyProcessor.[**realise**](http://docs.google.com/simplenlg/morphology/english/MorphologyProcessor.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

* + Methods in [simplenlg.morphology.english](http://docs.google.com/simplenlg/morphology/english/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

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| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static void | * + MorphologyRules.[**doDeterminerMorphology**](http://docs.google.com/simplenlg/morphology/english/MorphologyRules.html#doDeterminerMorphology(simplenlg.framework.NLGElement,%20java.lang.String))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) determiner, java.lang.String realisation) This method performs the morphology for determiners. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + MorphologyProcessor.[**realise**](http://docs.google.com/simplenlg/morphology/english/MorphologyProcessor.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |

* + Method parameters in [simplenlg.morphology.english](http://docs.google.com/simplenlg/morphology/english/package-summary.html) with type arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + MorphologyProcessor.[**realise**](http://docs.google.com/simplenlg/morphology/english/MorphologyProcessor.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

### Uses of [**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html) in [**simplenlg.orthography.english**](http://docs.google.com/simplenlg/orthography/english/package-summary.html)Methods in [simplenlg.orthography.english](http://docs.google.com/simplenlg/orthography/english/package-summary.html) that return [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + OrthographyProcessor.[**realise**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |

* + Methods in [simplenlg.orthography.english](http://docs.google.com/simplenlg/orthography/english/package-summary.html) that return types with arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + OrthographyProcessor.[**realise**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

* + Methods in [simplenlg.orthography.english](http://docs.google.com/simplenlg/orthography/english/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + OrthographyProcessor.[**realise**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |

* + Method parameters in [simplenlg.orthography.english](http://docs.google.com/simplenlg/orthography/english/package-summary.html) with type arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + OrthographyProcessor.[**realise**](http://docs.google.com/simplenlg/orthography/english/OrthographyProcessor.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

### Uses of [**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html) in [**simplenlg.phrasespec**](http://docs.google.com/simplenlg/phrasespec/package-summary.html)Subclasses of [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) in [simplenlg.phrasespec](http://docs.google.com/simplenlg/phrasespec/package-summary.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Class and Description |
| * + class | * + [**AdjPhraseSpec**](http://docs.google.com/simplenlg/phrasespec/AdjPhraseSpec.html) This class defines a adjective phrase. |
| * + class | * + [**AdvPhraseSpec**](http://docs.google.com/simplenlg/phrasespec/AdvPhraseSpec.html) This class defines a adverbial phrase. |
| * + class | * + [**NPPhraseSpec**](http://docs.google.com/simplenlg/phrasespec/NPPhraseSpec.html) This class defines a noun phrase. |
| * + class | * + [**PPPhraseSpec**](http://docs.google.com/simplenlg/phrasespec/PPPhraseSpec.html) This class defines a prepositional phrase. |
| * + class | * + [**SPhraseSpec**](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html) This class defines a clause (sentence-like phrase). |
| * + class | * + [**VPPhraseSpec**](http://docs.google.com/simplenlg/phrasespec/VPPhraseSpec.html) This class defines a verb phrase. |

* + Methods in [simplenlg.phrasespec](http://docs.google.com/simplenlg/phrasespec/package-summary.html) that return [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + AdjPhraseSpec.[**getAdjective**](http://docs.google.com/simplenlg/phrasespec/AdjPhraseSpec.html#getAdjective())() |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + AdvPhraseSpec.[**getAdverb**](http://docs.google.com/simplenlg/phrasespec/AdvPhraseSpec.html#getAdverb())() |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NPPhraseSpec.[**getDeterminer**](http://docs.google.com/simplenlg/phrasespec/NPPhraseSpec.html#getDeterminer())() getDeterminer - Convenience method for when a person tries to get a determiner (e.g. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + VPPhraseSpec.[**getIndirectObject**](http://docs.google.com/simplenlg/phrasespec/VPPhraseSpec.html#getIndirectObject())() Returns the indirect object of a clause (assumes there is only one) |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + SPhraseSpec.[**getIndirectObject**](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html#getIndirectObject())() Returns the indirect object of a clause (assumes there is only one) |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NPPhraseSpec.[**getNoun**](http://docs.google.com/simplenlg/phrasespec/NPPhraseSpec.html#getNoun())() |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + VPPhraseSpec.[**getObject**](http://docs.google.com/simplenlg/phrasespec/VPPhraseSpec.html#getObject())() Returns the direct object of a clause (assumes there is only one) |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + SPhraseSpec.[**getObject**](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html#getObject())() Returns the direct object of a clause (assumes there is only one) |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + PPPhraseSpec.[**getObject**](http://docs.google.com/simplenlg/phrasespec/PPPhraseSpec.html#getObject())() |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + PPPhraseSpec.[**getPreposition**](http://docs.google.com/simplenlg/phrasespec/PPPhraseSpec.html#getPreposition())() |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + NPPhraseSpec.[**getSpecifier**](http://docs.google.com/simplenlg/phrasespec/NPPhraseSpec.html#getSpecifier())() |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + SPhraseSpec.[**getSubject**](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html#getSubject())() Returns the subject of a clause (assumes there is only one) |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + VPPhraseSpec.[**getVerb**](http://docs.google.com/simplenlg/phrasespec/VPPhraseSpec.html#getVerb())() |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + SPhraseSpec.[**getVerb**](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html#getVerb())() Returns the verb of a clause |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + SPhraseSpec.[**getVerbPhrase**](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html#getVerbPhrase())() |

* + Methods in [simplenlg.phrasespec](http://docs.google.com/simplenlg/phrasespec/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + SPhraseSpec.[**addComplement**](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html#addComplement(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) complement) |
| * + void | * + SPhraseSpec.[**addPreModifier**](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html#addPreModifier(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) newPreModifier) |
| * + void | * + SPhraseSpec.[**setVerbPhrase**](http://docs.google.com/simplenlg/phrasespec/SPhraseSpec.html#setVerbPhrase(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) vp) |

### Uses of [**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html) in [**simplenlg.realiser.english**](http://docs.google.com/simplenlg/realiser/english/package-summary.html)Methods in [simplenlg.realiser.english](http://docs.google.com/simplenlg/realiser/english/package-summary.html) that return [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + Realiser.[**realise**](http://docs.google.com/simplenlg/realiser/english/Realiser.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |

* + Methods in [simplenlg.realiser.english](http://docs.google.com/simplenlg/realiser/english/package-summary.html) that return types with arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + Realiser.[**realise**](http://docs.google.com/simplenlg/realiser/english/Realiser.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

* + Methods in [simplenlg.realiser.english](http://docs.google.com/simplenlg/realiser/english/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + Realiser.[**realise**](http://docs.google.com/simplenlg/realiser/english/Realiser.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |
| * + java.lang.String | * + Realiser.[**realiseSentence**](http://docs.google.com/simplenlg/realiser/english/Realiser.html#realiseSentence(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) Convenience class to realise any NLGElement as a sentence |

* + Method parameters in [simplenlg.realiser.english](http://docs.google.com/simplenlg/realiser/english/package-summary.html) with type arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + Realiser.[**realise**](http://docs.google.com/simplenlg/realiser/english/Realiser.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

### Uses of [**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html) in [**simplenlg.syntax.english**](http://docs.google.com/simplenlg/syntax/english/package-summary.html)Methods in [simplenlg.syntax.english](http://docs.google.com/simplenlg/syntax/english/package-summary.html) that return [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + SyntaxProcessor.[**realise**](http://docs.google.com/simplenlg/syntax/english/SyntaxProcessor.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |

* + Methods in [simplenlg.syntax.english](http://docs.google.com/simplenlg/syntax/english/package-summary.html) that return types with arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + SyntaxProcessor.[**realise**](http://docs.google.com/simplenlg/syntax/english/SyntaxProcessor.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

* + Methods in [simplenlg.syntax.english](http://docs.google.com/simplenlg/syntax/english/package-summary.html) with parameters of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + SyntaxProcessor.[**realise**](http://docs.google.com/simplenlg/syntax/english/SyntaxProcessor.html#realise(simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) element) |

* + Method parameters in [simplenlg.syntax.english](http://docs.google.com/simplenlg/syntax/english/package-summary.html) with type arguments of type [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> | * + SyntaxProcessor.[**realise**](http://docs.google.com/simplenlg/syntax/english/SyntaxProcessor.html#realise(java.util.List))(java.util.List<[NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)> elements) |

### Uses of [**NLGElement**](http://docs.google.com/simplenlg/framework/NLGElement.html) in [**simplenlg.xmlrealiser**](http://docs.google.com/simplenlg/xmlrealiser/package-summary.html)Methods in [simplenlg.xmlrealiser](http://docs.google.com/simplenlg/xmlrealiser/package-summary.html) that return [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + UnWrapper.[**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. |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + UnWrapper.[**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 |

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* [Class](http://docs.google.com/simplenlg/framework/NLGElement.html)
* Use
* [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
* Next
* [Frames](http://docs.google.com/index.html?simplenlg/framework/class-use/NLGElement.html)
* [No Frames](http://docs.google.com/NLGElement.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)