| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ContentModel.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) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/html/parser/DocumentParser.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/html/parser/ContentModel.html)    [**NO FRAMES**](http://docs.google.com/ContentModel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#3rdcrjn) | [METHOD](#44sinio) |

## **javax.swing.text.html.parser**

Class ContentModel

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.text.html.parser.ContentModel**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

public final class **ContentModel**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

A representation of a content model. A content model is basically a restricted BNF expression. It is restricted in the sense that it must be deterministic. This means that you don't have to represent it as a finite state automata.

See Annex H on page 556 of the SGML handbook for more information.

| **Field Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**content**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#content)            The content. |
| [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) | [**next**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#next)            The next content model (in a ',', '|' or '&' expression). |
| int | [**type**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#type)            Type. |

| **Constructor Summary** | |
| --- | --- |
| [**ContentModel**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#ContentModel())() |
| [**ContentModel**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#ContentModel(javax.swing.text.html.parser.Element))([Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) content)            Create a content model for an element. |
| [**ContentModel**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#ContentModel(int,%20javax.swing.text.html.parser.ContentModel))(int type, [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) content)            Create a content model of a particular type. |
| [**ContentModel**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#ContentModel(int,%20java.lang.Object,%20javax.swing.text.html.parser.ContentModel))(int type, [Object](http://docs.google.com/java/lang/Object.html) content, [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) next)            Create a content model of a particular type. |

| **Method Summary** | |
| --- | --- |
| boolean | [**empty**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#empty())()            Return true if the content model could match an empty input stream. |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**first**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#first())()            Return the element that must be next. |
| boolean | [**first**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#first(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) token)            Return true if the token could potentially be the first token in the input stream. |
| void | [**getElements**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#getElements(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<[Element](http://docs.google.com/javax/swing/text/html/parser/Element.html)> elemVec)            Update elemVec with the list of elements that are part of the this contentModel. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#toString())()            Convert to a string. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Field Detail** |
| --- |

### type

public int **type**

Type. Either '\*', '?', '+', ',', '|', '&'.

### content

public [Object](http://docs.google.com/java/lang/Object.html) **content**

The content. Either an Element or a ContentModel.

### next

public [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) **next**

The next content model (in a ',', '|' or '&' expression).

| **Constructor Detail** |
| --- |

### ContentModel

public **ContentModel**()

### ContentModel

public **ContentModel**([Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) content)

Create a content model for an element.

### ContentModel

public **ContentModel**(int type,  
 [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) content)

Create a content model of a particular type.

### ContentModel

public **ContentModel**(int type,  
 [Object](http://docs.google.com/java/lang/Object.html) content,  
 [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) next)

Create a content model of a particular type.

| **Method Detail** |
| --- |

### empty

public boolean **empty**()

Return true if the content model could match an empty input stream.

### getElements

public void **getElements**([Vector](http://docs.google.com/java/util/Vector.html)<[Element](http://docs.google.com/javax/swing/text/html/parser/Element.html)> elemVec)

Update elemVec with the list of elements that are part of the this contentModel.

### first

public boolean **first**([Object](http://docs.google.com/java/lang/Object.html) token)

Return true if the token could potentially be the first token in the input stream.

### first

public [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **first**()

Return the element that must be next.

### toString

public [String](http://docs.google.com/java/lang/String.html) **toString**()

Convert to a string.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of the object.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ContentModel.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) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/html/parser/DocumentParser.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/html/parser/ContentModel.html)    [**NO FRAMES**](http://docs.google.com/ContentModel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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