| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Element.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/DTDConstants.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/html/parser/Entity.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/html/parser/Element.html)    [**NO FRAMES**](http://docs.google.com/Element.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | CONSTR | [METHOD](#z337ya) |

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

Class Element

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [DTDConstants](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html)

public final class **Element**extends [Object](http://docs.google.com/java/lang/Object.html)implements [DTDConstants](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

An element as described in a DTD using the ELEMENT construct. This is essentiall the description of a tag. It describes the type, content model, attributes, attribute types etc. It is used to correctly parse a document by the Parser.

**See Also:**[DTD](http://docs.google.com/javax/swing/text/html/parser/DTD.html), [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html)

| **Field Summary** | |
| --- | --- |
| [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) | [**atts**](http://docs.google.com/javax/swing/text/html/parser/Element.html#atts) |
| [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) | [**content**](http://docs.google.com/javax/swing/text/html/parser/Element.html#content) |
| [Object](http://docs.google.com/java/lang/Object.html) | [**data**](http://docs.google.com/javax/swing/text/html/parser/Element.html#data)            A field to store user data. |
| [BitSet](http://docs.google.com/java/util/BitSet.html) | [**exclusions**](http://docs.google.com/javax/swing/text/html/parser/Element.html#exclusions) |
| [BitSet](http://docs.google.com/java/util/BitSet.html) | [**inclusions**](http://docs.google.com/javax/swing/text/html/parser/Element.html#inclusions) |
| int | [**index**](http://docs.google.com/javax/swing/text/html/parser/Element.html#index) |
| [String](http://docs.google.com/java/lang/String.html) | [**name**](http://docs.google.com/javax/swing/text/html/parser/Element.html#name) |
| boolean | [**oEnd**](http://docs.google.com/javax/swing/text/html/parser/Element.html#oEnd) |
| boolean | [**oStart**](http://docs.google.com/javax/swing/text/html/parser/Element.html#oStart) |
| int | [**type**](http://docs.google.com/javax/swing/text/html/parser/Element.html#type) |

| **Fields inherited from interface javax.swing.text.html.parser.**[**DTDConstants**](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html) |
| --- |
| [ANY](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ANY), [CDATA](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#CDATA), [CONREF](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#CONREF), [CURRENT](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#CURRENT), [DEFAULT](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#DEFAULT), [EMPTY](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#EMPTY), [ENDTAG](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ENDTAG), [ENTITIES](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ENTITIES), [ENTITY](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ENTITY), [FIXED](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#FIXED), [GENERAL](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#GENERAL), [ID](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ID), [IDREF](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#IDREF), [IDREFS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#IDREFS), [IMPLIED](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#IMPLIED), [MD](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#MD), [MODEL](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#MODEL), [MS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#MS), [NAME](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NAME), [NAMES](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NAMES), [NMTOKEN](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NMTOKEN), [NMTOKENS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NMTOKENS), [NOTATION](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NOTATION), [NUMBER](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NUMBER), [NUMBERS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NUMBERS), [NUTOKEN](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NUTOKEN), [NUTOKENS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NUTOKENS), [PARAMETER](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#PARAMETER), [PI](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#PI), [PUBLIC](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#PUBLIC), [RCDATA](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#RCDATA), [REQUIRED](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#REQUIRED), [SDATA](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#SDATA), [STARTTAG](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#STARTTAG), [SYSTEM](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#SYSTEM) |

| **Method Summary** | |
| --- | --- |
| [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) | [**getAttribute**](http://docs.google.com/javax/swing/text/html/parser/Element.html#getAttribute(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Get an attribute by name. |
| [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) | [**getAttributeByValue**](http://docs.google.com/javax/swing/text/html/parser/Element.html#getAttributeByValue(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Get an attribute by value. |
| [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) | [**getAttributes**](http://docs.google.com/javax/swing/text/html/parser/Element.html#getAttributes())()            Get the attributes. |
| [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) | [**getContent**](http://docs.google.com/javax/swing/text/html/parser/Element.html#getContent())()            Get content model |
| int | [**getIndex**](http://docs.google.com/javax/swing/text/html/parser/Element.html#getIndex())()            Get index. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/swing/text/html/parser/Element.html#getName())()            Get the name of the element. |
| int | [**getType**](http://docs.google.com/javax/swing/text/html/parser/Element.html#getType())()            Get type. |
| boolean | [**isEmpty**](http://docs.google.com/javax/swing/text/html/parser/Element.html#isEmpty())()            Check if empty |
| static int | [**name2type**](http://docs.google.com/javax/swing/text/html/parser/Element.html#name2type(java.lang.String))([String](http://docs.google.com/java/lang/String.html) nm) |
| boolean | [**omitEnd**](http://docs.google.com/javax/swing/text/html/parser/Element.html#omitEnd())()            Return true if the end tag can be omitted. |
| boolean | [**omitStart**](http://docs.google.com/javax/swing/text/html/parser/Element.html#omitStart())()            Return true if the start tag can be omitted. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/swing/text/html/parser/Element.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** |
| --- |

### index

public int **index**

### name

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

### oStart

public boolean **oStart**

### oEnd

public boolean **oEnd**

### inclusions

public [BitSet](http://docs.google.com/java/util/BitSet.html) **inclusions**

### exclusions

public [BitSet](http://docs.google.com/java/util/BitSet.html) **exclusions**

### type

public int **type**

### content

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

### atts

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

### data

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

A field to store user data. Mostly used to store style sheets.

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

### getName

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

Get the name of the element.

### omitStart

public boolean **omitStart**()

Return true if the start tag can be omitted.

### omitEnd

public boolean **omitEnd**()

Return true if the end tag can be omitted.

### getType

public int **getType**()

Get type.

### getContent

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

Get content model

### getAttributes

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

Get the attributes.

### getIndex

public int **getIndex**()

Get index.

### isEmpty

public boolean **isEmpty**()

Check if empty

### 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.

### getAttribute

public [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) **getAttribute**([String](http://docs.google.com/java/lang/String.html) name)

Get an attribute by name.

### getAttributeByValue

public [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) **getAttributeByValue**([String](http://docs.google.com/java/lang/String.html) name)

Get an attribute by value.

### name2type

public static int **name2type**([String](http://docs.google.com/java/lang/String.html) nm)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Element.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/DTDConstants.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/html/parser/Entity.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/html/parser/Element.html)    [**NO FRAMES**](http://docs.google.com/Element.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | CONSTR | [METHOD](#z337ya) |

[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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