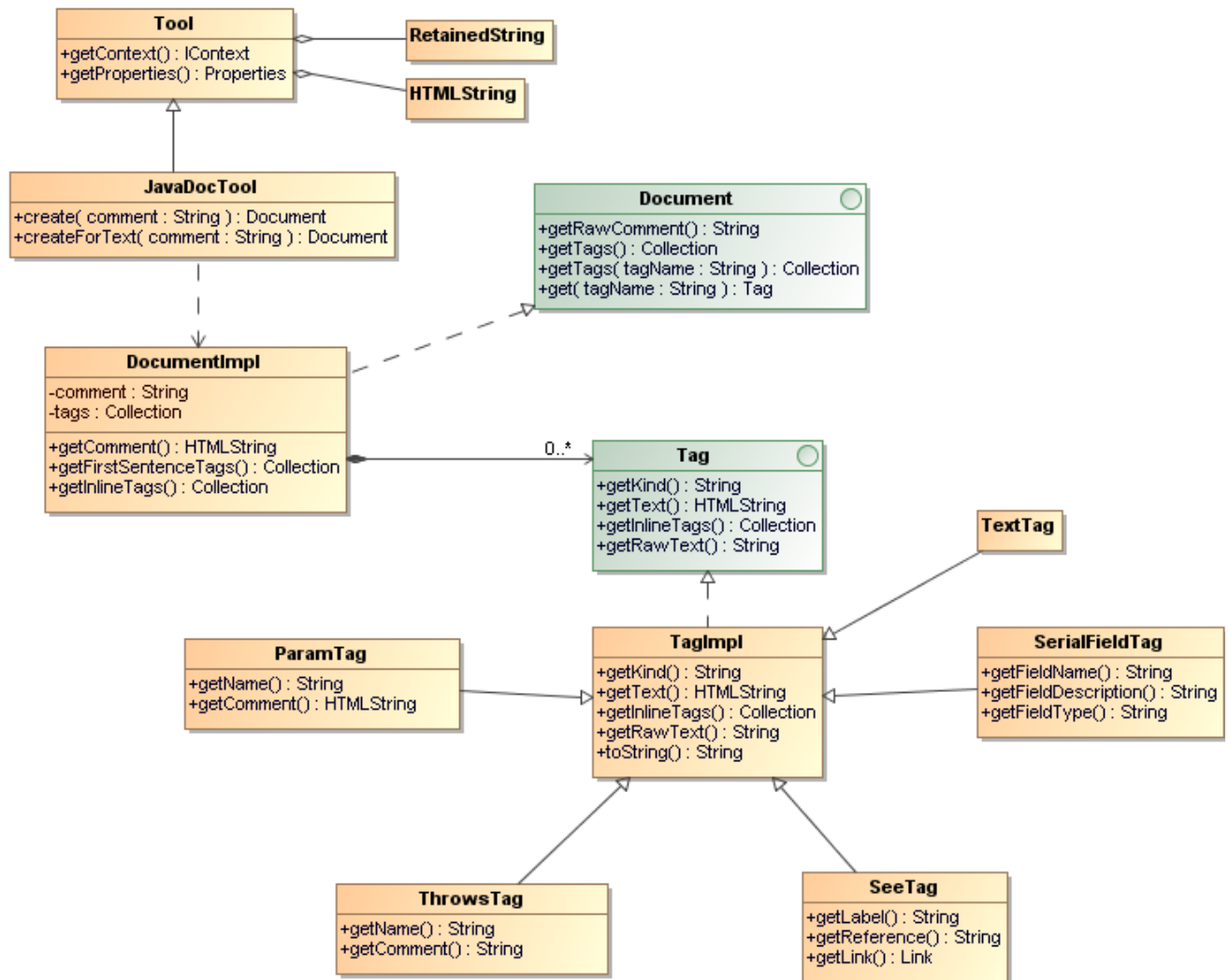


# Javadoc tool API

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Javadoc Tool API.

## JavaDocTool

JavaDoc Tool is a custom tool class used for creating a Document node.

- `create()` - Return a new instance of a Document node. Each JavaDoc comment must start with `/**` and ended with `*/`.
- `createForText()` - Return a new instance of a Document node. This method allows in-complete JavaDoc (comments without `/**` and `*/`) to be loaded with JavaDocTool.

## Document

Document is an interface representing a Comment Document.

- `getRawComment()` - Return the full unprocessed text of the comment.

- `getTags()` - Return all tags in this document item.
- `getTags(tagName : String)` - Return a tag of the specified kind of this document item.
- `get(tagName : String)` - Return a tag of the specified kind of this document item. If any tags with the same kind are found, the first tag of that kind will be returned.

## DocumentImpl

DocumentImpl is a default Javadoc document implementation.

- `getComment()` - Return formatted text for this document.
- `getInlineTags()` - Return comment as a collection of tags.
- `getFirstSentenceTags()` - Return the first sentence of the comment as a collection of tags.

## Tag

Tag is an interface representing a simple documentation tag, such as `@since`, `@author`, and `@version`

- `getKind()` - Return the kind of this tag.
- `getText()` - Return the text of this tag.
- `getInlineTags()` - Return a collection of tags for a documentation comment with embedded `{@link}` tags.

## TagImpl

TagImpl is a default tag implementation.

- `getRawText()` - Return the full unprocessed text of this tag.
- `toString()` - Return the text of this tag. Usually calls `getText()`.

## ParamTag

ParamTag represents a `@param` documentation tag.

- `getName()` - Return the name of the parameter associated with this tag.
- `getComment()` - Return the parameter's comment.

## ThrowsTag

ThrowsTag represents a `@throws` or `@exception` documentation tag.

- `getName()` - Return the name of the exception associated with this tag.
- `getComment()` - Return the exception's comment.

## SeeTag

SeeTag represents a user-defined cross-reference to related documentation. The reference can be either inline with the comment using `{@link}` or a separate block comment using `@see`.

- `getLabel()` - Return the label of the `@see` tag.
- `getReference()` - Return the MODEL or URL of the `@see` reference.
- `getLink()` - Return the Link object representing this tag.

## SerialFieldTag

SerialFieldTag represents a `@serialField` tag.

- `getFieldName()` - return the serial field name.
- `getFieldDescription()` - return the field comment.
- `getFieldType()` - return the field type string.

For examples:

- Import the Javadoc tool and create an instance of Javadoc document:

```
#import ("javadoc",
"com.nomagic.reportwizard.tools.doc.JavadocTool")
#set ($doc = $javadoc.create($comment))
```

- Print a Javadoc comment:

```
$doc.comment
```

- Print the first encountered author:

```
$doc.author
```

- Print all authors:

```
#foreach ($author in $doc.getTags("author"))
$author.text
#end
```

- Print the first sentence:

```
#foreach ($tag in $doc.firstSentenceTags)
$tag.text
#end
```

- Print the inline tags:

```
#foreach ($tag in $doc.inlineTags)
$tag.kind
$tag.text
#end
```

- Print a raw comment (plain text without a document parser or HTML renderer):

```
$doc.rawComment
```

- Print all block tags:

```
#foreach ($tag in $doc.tags)
$tag.kind : $tag.text
#end
```

- Print all param tags:

```
#foreach ($tag in $doc.getTags("param"))
$tag.name - $tag.comment
#end
```

- Print all throws tags:

```
#foreach ($tag in $doc.getTags("throws"))
$tag.name - $tag.comment
#end
```

- Print all see tags:

```
#foreach ($tag in $doc.getTags("see"))
$tag.label - $tag.reference
#end
```

## Reference Documents

- Javadoc specification  
<http://java.sun.com/j2se/1.5.0/docs/tooldocs/windows/javadoc.html#javadoctags>

- Writing Javadoc  
<http://java.sun.com/j2se/javadoc/writingdoccomments/index.html>
- Javadoc Tool API  
`<install.dir>/plugins/com.nomagic.magicdraw.reportwizard/api/javadoc.zip`