

# nmEdit - website

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## 1. Documenting a DTD

This page describes the forrest website extension for documenting a DTD. The document type extends the 'document-v11.dtd' DTD with the element '[dtd](#)' that can be used inside the 'body'- or 'section'-tags of a forrest-site.

### 1.1. Naming convention

To link the [XSL-stylesheet](#) with the XML-document its filename must match the pattern:

```
*.dtd-ref.xml
```

### 1.2. Linking declared elements

Each element of the DTD-reference has an anchor that is composed by the string:

```
"elem." + <element-name>
```

For example to open the declaration of the 'attribute'-tag use the link.

```
<link href="#elem.attribute">attribute</link>
```

### 1.3. Typical invokation

Use the following document type for a forrest site that wants to use the DTD-reference element set.

```
<!DOCTYPE document PUBLIC "-//nmedit//DTD DTDdocumentation V1.0//EN"
    "DTDdocumentation-v10.dtd">
```

The DTD extends Forrest's document-v11.dtd with the additional elements.

## 2. DTDdocumentation v1.0 DTD - Reference

### 2.1. Top-level element(s)

- dtd

### 2.2. List of elements

- attribute
- attribute-type
- contains
- dtd
- dtd-hint
- element

- entity
- option

### 2.3. Element declarations

attribute											
<p>Defines the attribute of an element. Note that only one of the attributes 'required', 'implied', 'implicit-value', 'default-value' can be used. implied='true' means that the value of the attribute is implied. A given 'implicit-value'-attribute means that the value of the attribute is implied, the value will be visible in the reference. A given 'default-value'-attribute means that the attribute has a default value, this value will be visible in the reference. required='true' means that this attribute is required, but has neither an implied- nor a default-value.</p>											
Content model:	( <a href="#">attribute-type</a> , <a href="#">dtd-hint</a> ? )										
Used inside	<a href="#">entity</a>										
Attributes:	<table border="1"> <tr> <td>name</td> <td>type: CDATA</td> </tr> <tr> <td>required</td> <td>possible values: true, false</td> </tr> <tr> <td>implied</td> <td>possible values: true, false</td> </tr> <tr> <td>default-value</td> <td>type: CDATA</td> </tr> <tr> <td>implicit-value</td> <td>type: CDATA</td> </tr> </table>	name	type: CDATA	required	possible values: true, false	implied	possible values: true, false	default-value	type: CDATA	implicit-value	type: CDATA
	name	type: CDATA									
	required	possible values: true, false									
	implied	possible values: true, false									
	default-value	type: CDATA									
	implicit-value	type: CDATA									
attribute-type											
<p>Defines the type of an attribute. The type must be either given by a text-representation or a list of 'option'-tags each of them describing a possible value.</p>											
Content model:	( #PCDATA   <a href="#">option</a> ) *										
Used inside	<a href="#">attribute</a>										
Attributes:	- none -										
contains											
Use this to define which elements can be used inside the tag. The element supports mixed text and											

<p>'element'-tags. Conditions must be represented as text. If the 'contains'-tag is missing, the 'Content model'-output will be the string 'EMPTY' (without quotes). Example content: ( #PCDATA   &lt;element entity-name="element" /&gt; ) *</p>													
Content model:	( #PCDATA   <a href="#">element</a> ) *												
Used inside	<a href="#">entity</a>												
Attributes:	- none -												
<p>dtd (top-level element)</p>													
<p>This element can be used inside the 'body'- and the 'section'-tag of a forrest-site.</p>													
Content model:	<a href="#">entity</a> *												
Used inside	- none -												
Attributes:	<table border="1"> <tr> <td>title</td> <td>type: CDATA</td> </tr> <tr> <td colspan="2">Used to generate the reference section-title. The reference will be where \$title represents the value of this attribute.</td> </tr> <tr> <td>show-top-level-elements</td> <td>possible values: true, false</td> </tr> <tr> <td colspan="2">If true, the "Top-level element(s)"-List will be shown. All top-level</td> </tr> <tr> <td>show-element-list</td> <td>possible values: true, false</td> </tr> <tr> <td colspan="2">If true, the "List of elements"-List will be shown. All defined eleme</td> </tr> </table>	title	type: CDATA	Used to generate the reference section-title. The reference will be where \$title represents the value of this attribute.		show-top-level-elements	possible values: true, false	If true, the "Top-level element(s)"-List will be shown. All top-level		show-element-list	possible values: true, false	If true, the "List of elements"-List will be shown. All defined eleme	
title	type: CDATA												
Used to generate the reference section-title. The reference will be where \$title represents the value of this attribute.													
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show-element-list	possible values: true, false												
If true, the "List of elements"-List will be shown. All defined eleme													
<p>dtd-hint</p>													
<p>Text containing some description. Notice: The entity %content.mix; is defined in document-v11.mod. It can be found in the forrest-directory forrest/main/webapp/resources/schema/dtd/.</p>													
Content model:	( %content.mix; ) *												
Used inside	<a href="#">attribute</a> , <a href="#">entity</a>												
Attributes:	- none -												
<p>element</p>													
Content model:	EMPTY												
Used inside	<a href="#">contains</a>												

Attributes:	entity-name	type: CDATA
Name of a tag. If the element is defined it will automatically be linked to the definition used for undefined tags, too.		
entity		
Content model:	( <a href="#">dtd-hint</a> ? , <a href="#">contains</a> ? , <a href="#">attribute</a> * )	
Used inside	<a href="#">dtd</a>	
Attributes:	name	type: CDATA
The name of a xml-tag.		
	root	possible values: true, false
Set this to true if a tag is a top-level element.		
option		
A possible value for an attribute.		
Content model:	EMPTY	
Used inside	<a href="#">attribute-type</a>	
Attributes:	value	type: CDATA

### 3. Website-configuration

List of required or modified files.

- src/documentation/classes/CatalogManager.properties - setup accordingly that cocoon finds catalog.xcat
- src/documentation/resources/schema/dtd/DTDdocumentation-v10.dtd - the document type
- src/documentation/resources/schema/catalog.xcat - links the XML-document with the local DTD
- src/documentation/resources/stylesheets/dtdRef2document.xsl - XSL stylesheet that transforms DTD-reference elements to forrest-site elements
- src/documentation/sitemap.xmap - links the XML-document with the local DTD (see

- [Naming convention](#))  
src/documentation/skinconf.xml - extra-css contains additional css used to improve the DTD reference view