

Element Declaration

<!ELEMENT name (content-model) **>**

keyword
ELEMENT

name of the
element type,
its "tag"

formal definition of the
element's allowed content

Connectors

,	"Then"	Follow with (in sequence)
	"Or"	Select (only) one from the group
Only one connector type per group — no mixing!		

Occurrence Indicators

(no indicator)	<i>Required</i>	One and only one
?	<i>Optional</i>	None or one
*	<i>Optional, repeatable</i>	None, one, or more
+	<i>Required, repeatable</i>	One or more

Groupings

(Start content model or group
)	End content model or group

#PCDATA in Models (first, OR bars, asterisk)

(#PCDATA | elem1 | elem2) *

keyword
#PCDATA

Vertical Bar "|"

element
name

always
include the *

ANY Element Keyword

<!ELEMENT name **ANY** **>**

keyword
ELEMENT

name of the
element type,
its "tag"

keyword
ANY

EMPTY Element Keyword

<!ELEMENT name **EMPTY** **>**

keyword
ELEMENT

name of the
element type,
its "tag"

keyword
EMPTY

Attribute Declaration

<!ATTLIST element name declvalue default **>**

keyword
ATTLIST

name of the
associated
element

name of
attribute

what kind of
value or list of
values

keyword or
default value

repeat for
each attribute

Declared Value Keywords

CDATA	Data character string (default if well-formed)
NMTOKEN	Name token
NMTOKENS	One or more name tokens (spaces between)
ID	Unique identifier for element
IDREF	Reference to ID on another element
IDREFS	One or more IDREFs (spaces between)
ENTITY	Name of an entity (declared elsewhere)
ENTITIES	One or more names of entities

Enumerated Value Descriptions

(a b c)	List of attribute values (<i>Or</i> between)
NOTATION	Names of notations (Requires a list of values as well as the keyword. Values declared elsewhere with NOTATION.)

Attribute Defaults

"value"	If attribute is omitted, assume this value.
#REQUIRED	Required. Document is <i>not valid</i> if no value is provided.
#IMPLIED	Optional. Not constrained; no default can be inferred; an application is free to handle as appropriate.
#FIXED "value"	Fixed value. (Requires a value as well as the keyword.) If the attribute appears with a different value, that's an error.

Reserved Attributes

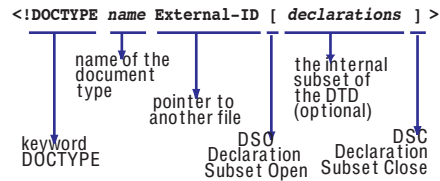
xml:space	Preserve whitespace or use default
xml:lang	Indicate language of element and that element's attributes and children

XML Syntax Quick Reference

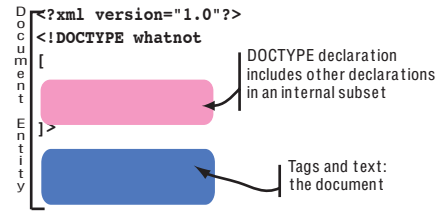
Mulberry Technologies, Inc.
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Rockville, MD 20850 USA
Phone: +1 301/315-9631
Fax: +1 301/315-8285
info@mulberrytech.com
<http://www.mulberrytech.com>



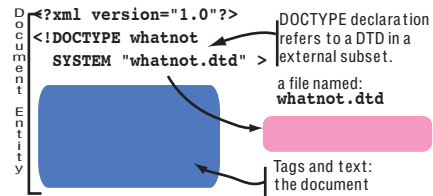
DOCTYPE Declaration



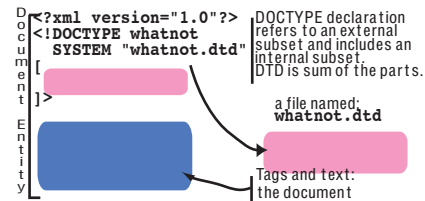
Internal Subset



External Subset



Internal and External Subsets



Conditional Section (DTD only)

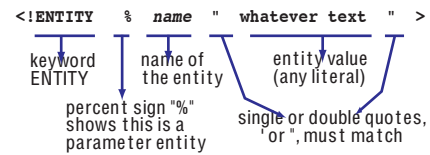
`<![IGNORE[declarations]]>`
`<![INCLUDE[declarations]]>`

External-ID

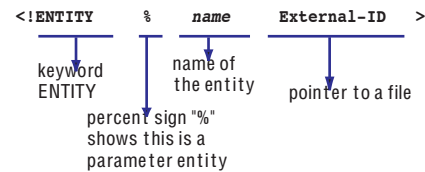
OR **SYSTEM** "URI"
PUBLIC "Public ID" "URI"

Parameter Entity Declarations

Internal Parameter Entity

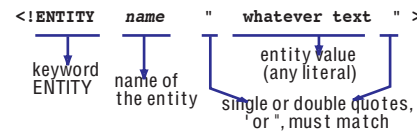


External Parameter Entity

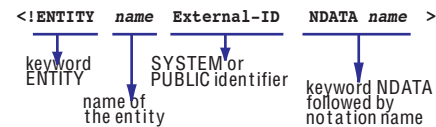


General Entity Declarations

Internal Entity



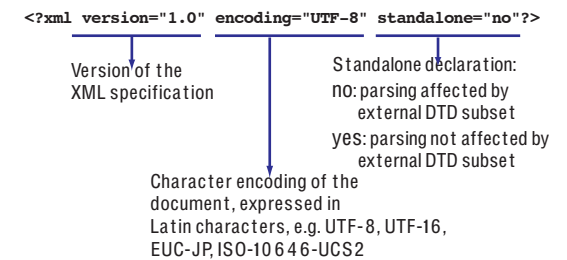
External Unparsed Entity



Predefined General Entities

Entity	Displays As	Character Value
<code>&amp;</code>	<code>&</code>	<code>&#38;#38;</code>
<code>&lt;</code>	<code><</code>	<code>&#38;#60;</code>
<code>&gt;</code>	<code>></code>	<code>&#62;</code>
<code>&apos;</code>	<code>'</code>	<code>&#39;</code>
<code>&quot;</code>	<code>"</code>	<code>&#34;</code>

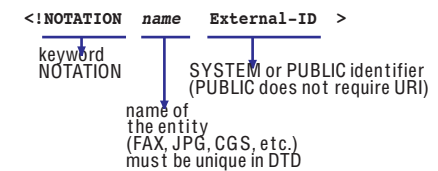
XML Declaration



Processing Instruction

`<?target ***Some Stuff **** ?>`

Notation Declaration

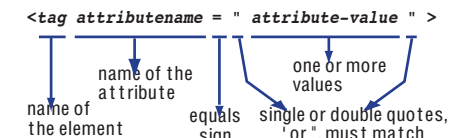


Comment

`<!-- Whatever you want to say! -->`

Comment may contain any characters except the string "--".

Start Tag with Attribute (in document)



EMPTY Element (in document)

`<name/>`
`<name></name>`

CDATA Section (in document)

`<![CDATA[*** Some Stuff ***]]>`