

Element Declaration

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

↓ ↓ ↓

keyword name of the formal definition of the
ELEMENT element type, element's allowed content
its "tag"

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 Vertical Bar element always
#PCDATA "|" name include the *

ANY Element Keyword

<!ELEMENT name ANY **>**

↓ ↓ ↓

keyword name of the keyword
ELEMENT element type, ANY
its "tag"

EMPTY Element Keyword

<!ELEMENT name EMPTY **>**

↓ ↓ ↓

keyword name of the keyword
ELEMENT element type, EMPTY
its "tag"

Attribute Declaration

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

↓ ↓ ↓ ↓

keyword name of the what kind of keyword or
ATTLIST associated value or list of default value
element values
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 (x y)	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

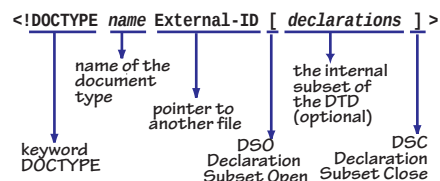
Mulberry Technologies, Inc.
17 West Jefferson Street, Suite 207
Rockville, MD 20850 USA
Phone: +1 301/315-9631
Fax: +1 301/315-8285
info@mulberrytech.com
<http://www.mulberrytech.com>



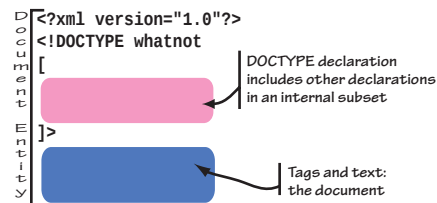
Mulberry
Technologies, Inc.



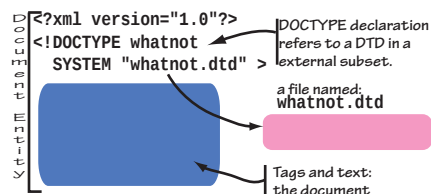
DOCTYPE Declaration



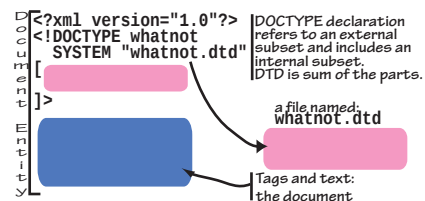
Internal Subset



External Subset



Internal and External Subsets



Conditional Section (DTD only)

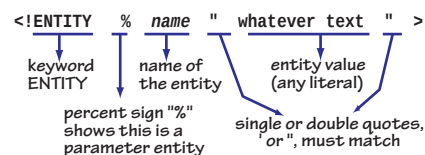
`<![IGNORE[ declarations ]]>`
`<![INCLUDE[ declarations ]]>`

External-ID

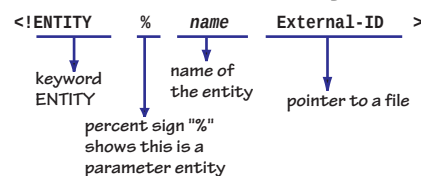
`SYSTEM "URI"`
OR
`PUBLIC "Public ID" "URI"`

Parameter Entity Declarations

Internal Parameter Entity

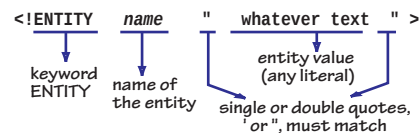


External Parameter Entity

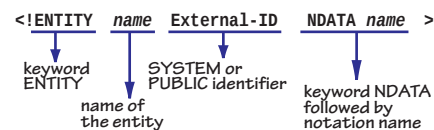


General Entity Declarations

Internal Entity



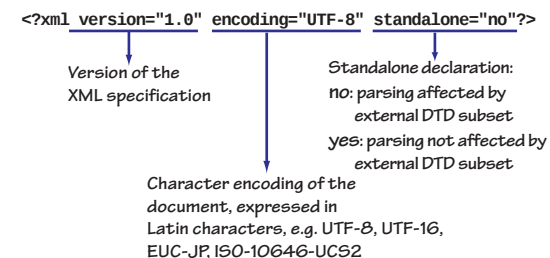
External Unparsed Entity



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>

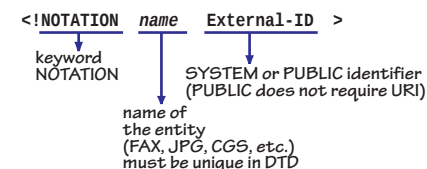
XML Declaration



Processing Instruction

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

Notation Declaration

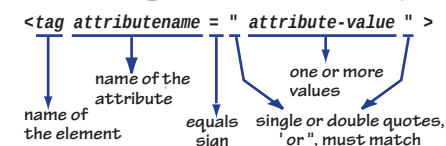


Comment

`<!-- 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 *** ]]>`