

## 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)**  
**(#PCDATA | elem1 | elem2 )\***

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

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

### Enumerated Value Descriptions

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

### Attribute Defaults

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

### Reserved Attributes

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

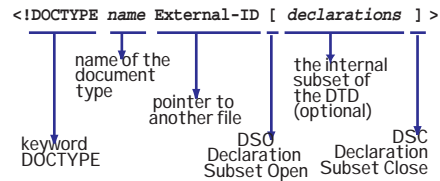
# XML Syntax Quick Reference

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Phone: +1 301/315-9631  
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info@mulberrytech.com  
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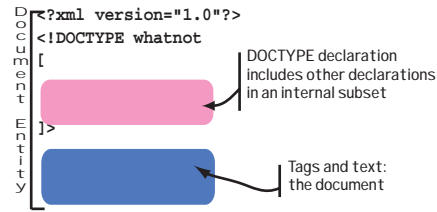


**Mulberry Technologies, Inc.**

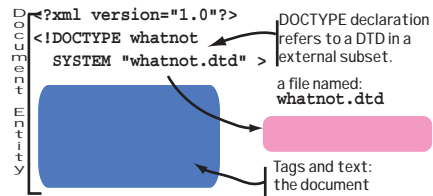
## DOCTYPE Declaration



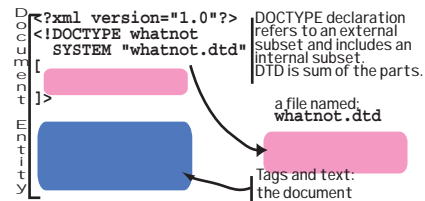
## Internal Subset



## External Subset



## Internal and External Subsets



## Conditional Section (DTD only)

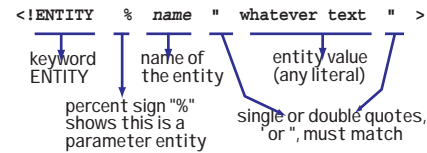
```
<![IGNORE[ declarations ]]>
<![INCLUDE[ declarations ]]>
```

## External-ID

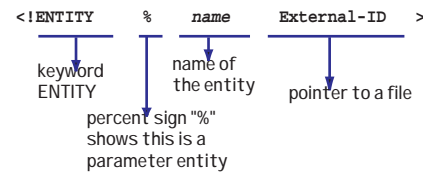
OR `SYSTEM "URI"`  
`PUBLIC "Public ID" "URI"`

## Parameter Entity Declarations

### Internal Parameter Entity

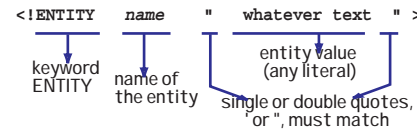


### External Parameter Entity

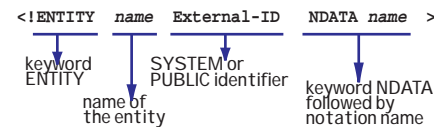


## General Entity Declarations

### Internal Entity



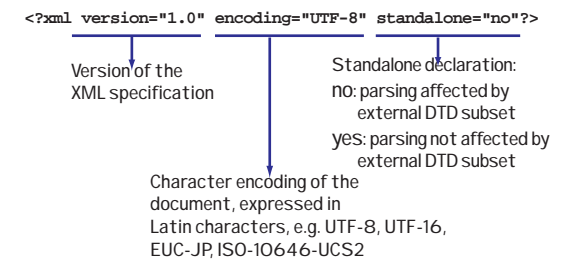
### External Unparsed Entity



## Predefined General Entities

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

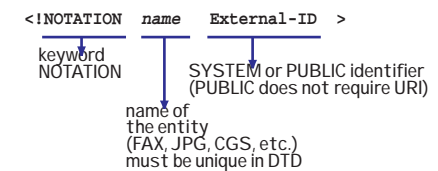
## XML Declaration



## Processing Instruction

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

## Notation Declaration

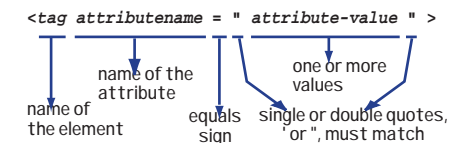


## Comment

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

The diagram shows a comment. A note indicates that the 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 *** ]]>`