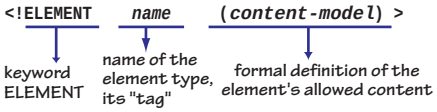
Element Declaration



Connectors

,	*"Then"*	Follow with (in sequence)
|	*"Or"*	Select (only) one from the group

Only one connector type per group — no mixing!

Occurrence Indicators

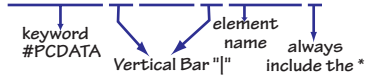
(no indicator)	*Required*	One and only one
?	*Optional*	None or one
*	*Optional, repeatable*	None, one, or more
+	*Required, repeatable*	One or more

Groupings

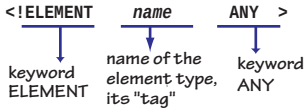
(	Start content model or group
)	End content model or group

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

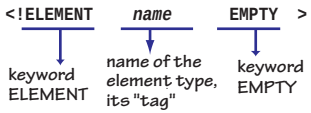
```
(#PCDATA)
(#PCDATA | elem1 | elem2 )*
```



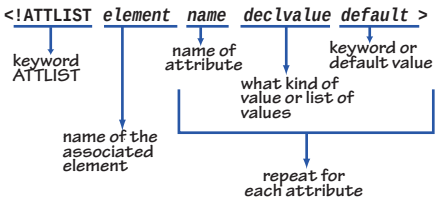
ANY Element Keyword



EMPTY Element Keyword



Attribute Declaration



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 (*Or* 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 *not valid* 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

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XML Syntax Quick Reference

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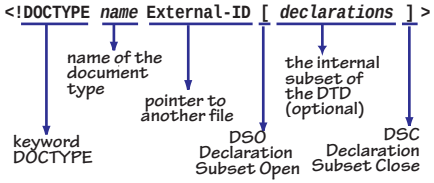
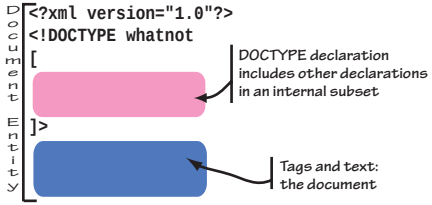
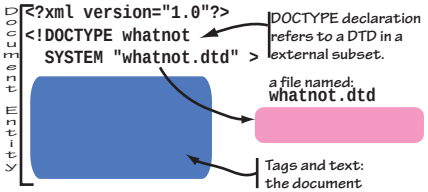
DOCTYPE Declaration



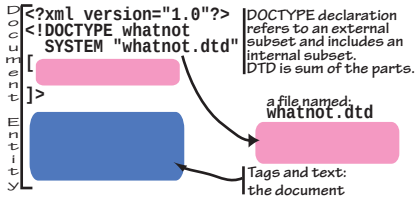
Internal Subset



External Subset



Internal and External Subsets



Conditional Section (DTD only)

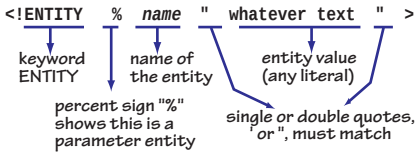
```
<![IGNORE[ declarations ]]>
<![INCLUDE[ declarations ]]>
```

External-ID

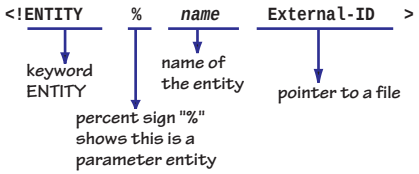
```
SYSTEM "URI"
OR
PUBLIC "Public ID" "URI"
```

Parameter Entity Declarations

Internal Parameter Entity

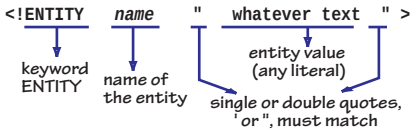


External Parameter Entity

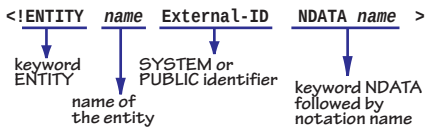


General Entity Declarations

Internal Entity



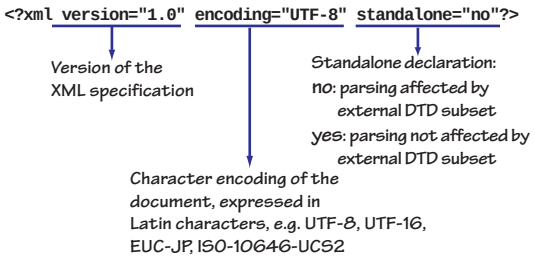
External Unparsed Entity



Predefined General Entities

Entity	Displays As	Character Value
&	&	&
<	<	<
>	>	>
'	'	'
"	"	"

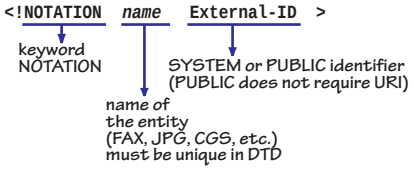
XML Declaration



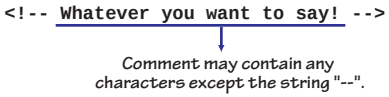
Processing Instruction

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

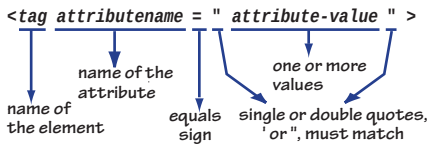
Notation Declaration



Comment



Start Tag with Attribute (in document)



EMPTY Element (in document)

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

CDATA Section (in document)

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

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