

# XML 1.0 Cheat Sheet

by ngramjets via cheatography.com/20223/cs/3057/

## Common

XML stands for eXtensible Markup Language.

XML documents are structured, tagged documents composed of elements, attributes, processing instructions, namespace declarations, comments, and text.

# **Elements**

<ro ot> </r oot>

<root />

<ro ot> child data</ roo t>

There can be exactly one root element of an XML optional prefix.

document. (The document element)

Elements have a name and may also have children No-colon names).

Child data may be text, elements, attributes, or other namespace of an element with a given prefix is types of XML structures.

Element names are case-sensitive

Elements must be correctly nested:

<ou ter ><i nne r>C ont ent </i nne</pre>

<ou ter ><i nne r>C ont ent </o ute</pre> >**=**</i nne r>**x** 

/ou ter>

Element names must start with a letter or unders core. The following characters may contain letters, digits, periods, hyphens, underscores, or colons.

## **Attributes**

key='v alue'

key="va lue "

## **Namespaces**

<pr efi x:l oca lname xmlns: pre fix There are five predefined entities used in</pre> UR I" />

<ta gname xmlns= " URI " />

Namespaces resolve ambiguity when tag names

Namespace declarations appear in an element st tag and are typically mapped to shorter prefix.

Namespace declarations are scoped to the eleme@tapos; they are defined in, and all descendants thereof.

All elements in an XML document are QNames (qualified names); A QName is a local name with an an entity, respectively

Both the prefix and the local name are NCNames

declaration for that prefix. (May be overridden)

The namespace of un-prefixed elements is the default namespace.

Attribute names are QNames; unprefixed attributegata)

are in no namespace, even if a default namespace is You may not nest CDATA sections

in scope.

# **Predefined Entities**

the XML markup which must be escaped in order to appear in XML content

ጴ

<	<
talgt;	>
"	"

&amp:

You may not use (<) or (&) anywhere in your XML document, except to begin a tag

#### **CDATA**

<![ CDA TA[ Almost any content her

the namespace specified by the in-scope namespace a  ${\tt CDATA}$  section to include content that you do not want the XML parser to interpret

> CDATA stands for (unparsed) character data, as opposed to PCDATA (parsed character

CDATA sections may be used anywhere withing the root element of an XML document

If you need to include the string ] ] > in the CDATA text, and you are not closing the CDATA section, the closing > must be written as >

# Comments

<!-- Commented text -->

Comments can contain spaces, text, elements, and line breaks, and can therefore span multiple lines of XML

You may not use a double hyphen (--) within a comment itself; therefore, you

Elements can be annotated with attributes. Attributes cannot rest comments exist in a serialized document without a parent element

Attributes are name/value pairs that are separate Character References

equals sign, with a value surrounded by matching sing or double quotes.

The attributes for an element are serialized within the start tag

Character references can only be used for of an element

<User login= " J.S mit h" enroll ed=</pre>

2-1 4" />

<User enroll ed= " 201 4-1 2-1 4">J. ser>

Attribute names follow the same rules as element names

&#DecimalUnicodeValue;

&#xHexadecimalUnicodeValue;

# **Processing-Instructions**

element and attribute content

<?xml versio n="1.0"?>

<?t arget data?>

Only processing instructions and comments may appear before the document lement

The processing instruction target  $\mathtt{xml}\xspace$  is reserved

No processing instruction may start with the string  ${\tt xml}$  or any recapitalization thereof

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