Abstract

This document defines an XHTML document type that is based upon the module framework and modules defined in XHTML Modularization [XHTMLMOD]. The purpose of this document type is to serve as the basis for future extended XHTML 'family' document types, and to provide a consistent, forward-looking document type cleanly separated from the deprecated, legacy functionality of HTML 4 [HTML4] that was brought forward into the XHTML 1.0 [XHTML1] document types. This document type is most similar to XHTML 1.0 Strict, built using XHTML Modules. This means that many facilities available in other XHTML Family document types (e.g., XHTML Frames) are not available in this document type. These other facilities are available through modules defined in XHTML Modularization, and document authors are free to define document types based upon XHTML 1.1 that use these facilities (see [XHTMLMOD] for information on creating new document types).
Status of this document

This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the latest revision of this technical report can be found in the W3C technical reports index at http://www.w3.org/TR/.

This document is a Working Draft in anticipation of entering the W3C’s Proposed Edited Recommendation process. It reflects clarifications and corrections as a result of many years of use by the community. It also includes an new implementation using XML Schemas. This implementation has gone through the W3C process, including Last Call, and is now integrated here in anticipation of its publication as a W3C Recommendation. It should not be normatively referenced until this document reaches the W3C Recommendation status.

Publication as a Working Draft does not imply endorsement by the W3C Membership. This is a draft document and may be updated, replaced or obsoleted by other documents at any time. It is inappropriate to cite this document as other than work in progress.

This document has been produced by the W3C HTML Working Group as part of the W3C HTML Activity. The goals of the HTML Working Group are discussed in the HTML Working Group charter.

This document is governed by the [24 January 2002 CPP] as amended by the W3C Patent Policy Transition Procedure. W3C maintains a public list of any patent disclosures made in connection with the deliverables of the group; that page also includes instructions for disclosing a patent. An individual who has actual knowledge of a patent which the individual believes contains Essential Claim(s) must disclose the information in accordance with section 6 of the W3C Patent Policy.

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1. Introduction

This section is normative.

With the introduction of the XHTML family of modules and document types, the W3C has helped move the Internet content-development community from the days of malformed, non-standard markup into the well formed, valid world of XML [XML[p.13]]. In XHTML 1.0, this move was moderated by a goal of providing for easy migration of existing, HTML 4 (or earlier) based content to XHTML and XML. With the advent of the XHTML modules defined in XHTML Modularization, the W3C has removed support for deprecated elements and attributes from the XHTML family. These elements and attributes were largely presentation oriented functionality that is better handled via style sheets or client-specific default behavior.

Going forward, XHTML family document types will be based upon this new, more structural functional collection. In this specification, the W3C’s HTML Working Group has defined an initial document type based solely upon modules. This document type is designed to be portable to a broad collection of client devices, and applicable to the majority of Internet content. Content developers who base their content upon the functionality expressed in this specification can be confident that it will be consistently portable across XHTML family conforming user agents.
2. Conformance Definition

This section is normative.

The keywords "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC2119][p.13].

2.1. Document Conformance

This version of XHTML provides a definition of strictly conforming XHTML documents, which are restricted to elements and attributes from the XHTML namespace.

2.1.1. Strictly Conforming Documents

A strictly conforming XHTML 1.1 document is a document that requires only the facilities described as mandatory in this specification. Such a document MUST meet all the following criteria:

1. The document MUST conform to the constraints expressed in Appendix C.

2. The root element of the document MUST be <html>.

3. The root element of the document MUST designate the XHTML namespace using the xmlns attribute [XMLNAMES]. The namespace designator for XHTML is "http://www.w3.org/1999/xhtml".

4. The root element MAY also contain an schemaLocation attribute as defined in the [XMLSCHEMA]. The schema location for XHTML is defined to be "http://www.w3.org/MarkUp/SCHEMA/xhtml11.xsd".

5. There MUST be a DOCTYPE declaration in the document prior to the root element. If present, the public identifier included in the DOCTYPE declaration MUST reference the DTD found in Appendix C using its public identifier. The system identifier MAY be modified appropriately.

```xml
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
```

Here is an example of an XHTML 1.1 document.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.w3.org/MarkUp/SCHEMA/xhtml11.xsd"
xml:lang="en">
```
2.2. User Agent Conformance

A conforming user agent MUST meet all user agent conformance requirements defined in [XHTMLMOD].

Note that in this example, the XML declaration is included. An XML declaration like the one above is not required in all XML documents. XHTML document authors are strongly encouraged to use XML declarations in all their documents. Such a declaration is required when the character encoding of the document is other than the default UTF-8 or UTF-16.

XHTML 1.1 documents SHOULD be labeled with the Internet Media Type text/html as defined in [RFC2854][p.13] or application/xhtml+xml as defined in [RFC3236][p.13]. For further information on using media types with XHTML, see the informative note [XHTMLMIME][p.13].
3. The XHTML 1.1 Document Type

This section is normative.

The XHTML 1.1 document type is a fully functional document type with rich semantics. It is not, however, as varied in functionality as the XHTML 1.0 Transitional or Frameset document types. These document types defined many presentational components that are better handled through style sheets or other similar mechanisms. Moreover, since the XHTML 1.1 document type is based exclusively upon the facilities defined in the XHTML modules [XHTMLMOD[p.13]], it does not contain any of the deprecated functionality of XHTML 1.0 nor of HTML 4. Despite these exceptions, or perhaps because of them, the XHTML 1.1 document type is a solid basis for future document types that are targeted at varied user agent environments.

The XHTML 1.1 document type is made up of the following XHTML modules. The elements, attributes, and minimal content models associated with these modules are defined in "XHTML Modularization" [XHTMLMOD[p.13]]. The elements are listed here for information purposes, but the definitions in "XHTML Modularization" should be considered definitive. In the on-line version of this document, the module names in the list below link into the definitions of the modules within the current version of "XHTML Modularization".

Structure Module
   body, head, html, title

Text Module
   abbr, acronym, address, blockquote, br, cite, code, dfn, div, em, h1, h2, h3, h4, h5, h6, kbd, p, pre, q, samp, span, strong, var

Hypertext Module
   a

List Module
   dl, dt, dd, ol, ul, li

Object Module
   object, param

Presentation Module
   b, big, hr, i, small, sub, sup, tt

Edit Module
   del, ins

Bidirectional Text Module
   bdo

Forms Module
   button, fieldset, form, input, label, legend, select, optgroup, option, textarea

Table Module
   caption, col, colgroup, table, tbody, td, tfoot, th, thead, tr

Image Module
   img
XHTML™ 1.1 - Module-based XHTML - Second Edition

3. The XHTML 1.1 Document Type

[Client-side Image Map Module]
area, map

[Server-side Image Map Module]
Attribute ismap on img

[Intrinsic Events Module]
Events attributes

[Metainformation Module]
meta

[Scripting Module]
noscript, script

[Stylesheet Module]
style element

[Style Attribute Module] Deprecated
style attribute

[Link Module]
link

[Base Module]
base

XHTML also uses the Ruby Annotation module as defined in [RUBY[p.13] ]:

Ruby Annotation Module
ruby, rbc, rtc, rb, rt, rp

There are no additional definitions required by this document type. An implementation of this document type as an XML DTD is defined in [Appendix C[p.15] ].
A. Changes from XHTML 1.0 Strict

This appendix is informative.

This Appendix describes the differences between XHTML 1.1 and XHTML 1.0 Strict. XHTML 1.1 represents a departure from both HTML 4 and XHTML 1.0. Most significant is the removal of features that were deprecated. In general, the strategy is to define a markup language that is rich in structural functionality, but that relies upon style sheets for presentation.

The differences can be summarized as follows:

1. On every element, the lang attribute has been removed in favor of the xml:lang attribute (as defined in [XHTMLMOD][p.13]).
2. On the a and map elements, the name attribute has been removed in favor of the id attribute (as defined in [XHTMLMOD][p.13]).
3. The "ruby" collection of elements has been added (as defined in [RUBY][p.13]).
B. References

This appendix is normative.

B.1. Normative References

[HTML4]


See: http://www.w3.org/TR/1999/REC-html401-19991224

[XHTML1]


See: http://www.w3.org/TR/2002/REC-xhtml1-20020801

[XHTMLMOD]

**[XHTML Modularization 1.1]** W3C Working Draft, Shane McCarron, et al., 5 July 2006

See: http://www.w3.org/TR/2006/WD-xhtml-modularization-20060705

[XML]

**[Extensible Markup Language (XML) 1.0 (Second Edition)]** W3C Recommendation, Tim Bray, Jean Paoli, C. M. Sperberg-McQueen, Eve Maler, F. Yergeau, 4 February 2004.

See: http://www.w3.org/TR/2004/REC-xml-20040204

[RUBY]


See: http://www.w3.org/TR/2001/REC-ruby-20010531

B.2. Informative References

[CATALOG]


See: http://www.oasis-open.org/html/a401.htm

[RFC2119]

**[Key words for use in RFCs to indicate requirement levels]**, RFC 2119, S. Bradner, March 1997.

Available at: http://www.ietf.org/rfc/rfc2119.txt

[RFC2854]

**[The 'text/html' Media Type]**, D. Connely, L. Masinter, January 2000.

Available at: http://www.ietf.org/rfc/rfc2854.txt

[RFC3236]

**[The 'application/xhtml+xml' Media Type]**, M. Baker, P. Stark, January 2002.

Available at: http://www.ietf.org/rfc/rfc3236.txt

[XMLMIME]

**[XHTML Media Types]**, Masayasu Ishikawa, 1 August 2002.

Latest version available at: http://www.w3.org/TR/xhtml-media-types
B.2. Informative References

[XMLNAMES]

Available at: http://www.w3.org/TR/1999/REC-xml-names-19990114

[XMLESCHEMA]

Available at: http://www.w3.org/TR/2004/REC-xmlschema-1-20041028/
Available at: http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/
C. XHTML 1.1 Document Type Definition

This appendix is normative.

C.1. SGML Open Catalog Entry for XHTML 1.1

This section contains the SGML Open Catalog-format definition [CATALOG[p.13]] of the public identifiers for XHTML 1.1.

```
-- .......................................................................... --
-- File catalog ............................................................ --
-- XHTML 1.1 Catalog Data File
Revision: @(#)xhtml11.cat 1.9 2001/04/04 SMI
See "Entity Management", SGML Open Technical Resolution 9401 for detailed information on supplying and using catalog data. This document is available from OASIS at URL:
--
-- ............................................................... --
-- SGML declaration associated with XHTML ...........................................
--
OVERRIDE YES
SGMLDECL "xml1.dcl"

```

-- :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::: --
-- XHTML 1.1 DTD modular driver file .............................................. --
-- note that this uses the local, flattened version of the DTD. If you want
your catalog to use the master version of the XHTML Modules, change the
entry to reference xhtml11.dtd instead of xhtml11-flat.dtd

```
PUBLIC "-//W3C//DTD XHTML 1.1//EN" "xhtml11-flat.dtd"

```

-- XHTML 1.1 framework modules ...................................................... --

```
PUBLIC "-//W3C//ENTITIES XHTML 1.1 Document Model 1.0//EN" "xhtml11-model-1.mod"

```

-- End of catalog data ........................................................................ --
```

C.2. XHTML 1.1 Driver

This section contains the driver for the XHTML 1.1 document type implementation as an XML DTD. It relies upon XHTML module implementations defined in [XHTMLMOD[p.13]] and in [RUBY[p.13]].
This is XHTML, a reformulation of HTML as a modular XML application.

The Extensible HyperText Markup Language (XHTML)
Copyright 1998-2007 World Wide Web Consortium
(Massachusetts Institute of Technology, European Research Consortium
for Informatics and Mathematics, Keio University).
All Rights Reserved.

Permission to use, copy, modify and distribute the XHTML DTD and its
accompanying documentation for any purpose and without fee is hereby
granted in perpetuity, provided that the above copyright notice and
this paragraph appear in all copies. The copyright holders make no
representation about the suitability of the DTD for any purpose.

It is provided "as is" without expressed or implied warranty.

Author: Murray M. Altheim <altheim@eng.sun.com>
<!-- For example, if you are using XHTML 1.1 directly, use the public identifier in the DOCTYPE declaration, with the namespace declaration on the document element to identify the default namespace:

<?xml version="1.0"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
  ...
</html>

Revisions:
  (none)
-->

<!-- reserved for future use with document profiles -->
<!-- ENTITY % XHTML.profile "" -->

<!-- ensure XHTML Notations are disabled -->
<!-- ENTITY % xhtml-notations.module "IGNORE" -->

<!-- Bidirectional Text features
This feature-test entity is used to declare elements
and attributes used for bidirectional text support. -->
<!-- ENTITY % XHTML.bidi "INCLUDE" -->

<?doc type="doctype" role="title" { XHTML 1.1 } ?>

<!-- ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::: -->
<!-- Pre-Framework Redeclaration placeholder ................. -->
<!-- this serves as a location to insert markup declarations
into the DTD prior to the framework declarations. -->
<!-- ENTITY % xhtml-prefw-redecl.module "IGNORE" -->
<!-- [%xhtml-prefw-redecl.module;[ %xhtml-prefw-redecl.mod; -->
<!-- end of xhtml-prefw-redecl.module -->]

<!-- Inline Style Module ........................................ -->
<!-- ENTITY % xhtml-inlstyle.module "INCLUDE" -->
<!-- [%xhtml-inlstyle.module;[ %xhtml-inlstyle.mod -->

<!-- declare Document Model module instantiated in framework -->
<!ENTITY % xhtml-model.mod
PUBLIC "-//W3C//ENTITIES XHTML 1.1 Document Model 1.0//EN"
"http://www.w3.org/MarkUp/DTD/xhtml11-model-1.mod" >

<!-- Modular Framework Module (required) ......................... -->
<!-- this serves as a location to insert markup declarations into the DTD following the framework declarations. -->
<!ENTITY % xhtml-postfw-redecl.module "IGNORE" >
<![%xhtml-postfw-redecl.module;[%xhtml-postfw-redecl.mod;]]>

<!-- Text Module (Required) ..................................... -->
<!ENTITY % xhtml-text.module "INCLUDE" >
<![%xhtml-text.module;[<!ENTITY % xhtml-text.mod
PUBLIC "-//W3C//ELEMENTS XHTML Text 1.0//EN"
"http://www.w3.org/MarkUp/DTD/xhtml-text-1.mod" >%xhtml-text.mod;]]>

<!-- Hypertext Module (required) ................................ -->
<!ENTITY % xhtml-hypertext.module "INCLUDE" >
<![%xhtml-hypertext.module;[<!ENTITY % xhtml-hypertext.mod
PUBLIC "-//W3C//ELEMENTS XHTML Hypertext 1.0//EN"
"http://www.w3.org/MarkUp/DTD/xhtml-hypertext-1.mod" >%xhtml-hypertext.mod;]]>

<!-- Lists Module (required) ..................................... -->
<!ENTITY % xhtml-list.module "INCLUDE" >
<![%xhtml-list.module;[<!ENTITY % xhtml-list.mod
PUBLIC "-//W3C//ELEMENTS XHTML Lists 1.0//EN"
"http://www.w3.org/MarkUp/DTD/xhtml-list-1.mod" >%xhtml-list.mod;]]>

<!-- ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::: -->

<!-- Edit Module ................................................ -->
<!ENTITY % xhtml-edit.module "INCLUDE" >
<![%xhtml-edit.module;[<!ENTITY % xhtml-edit.mod
PUBLIC "-//W3C//ELEMENTS XHTML Editing Elements 1.0//EN"
"http://www.w3.org/MarkUp/DTD/xhtml-edit-1.mod" >%xhtml-edit.mod;]]>

<!-- BIDI Override Module ....................................... -->
<!ENTITY % xhtml-bdo.module "%XHTML.bidi;" >
<!ENTITY % xhtml-style.module "INCLUDE" >
<![%xhtml-style.module;
<!ENTITY % xhtml-style.mod
 PUBLIC "-//W3C//ELEMENTS XHTML Style Sheets 1.0//EN"
 "http://www.w3.org/MarkUp/DTD/xhtml-style-1.mod" >
%xhtml-style.mod;]]>

<!--[-- Image Module ............................................... -->
<!ENTITY % xhtml-image.module "INCLUDE" >
<![%xhtml-image.module;
<!ENTITY % xhtml-image.mod
 PUBLIC "-//W3C//ELEMENTS XHTML Images 1.0//EN"
 "http://www.w3.org/MarkUp/DTD/xhtml-image-1.mod" >
%xhtml-image.mod;]]>

<!--[-- Client-side Image Map Module ............................... -->
<!ENTITY % xhtml-csismap.module "INCLUDE" >
<![%xhtml-csismap.module;
<!ENTITY % xhtml-csismap.mod
 PUBLIC "-//W3C//ELEMENTS XHTML Client-side Image Maps 1.0//EN"
 "http://www.w3.org/MarkUp/DTD/xhtml-csismap-1.mod" >
%xhtml-csismap.mod;]]>

<!--[-- Server-side Image Map Module ............................... -->
<!ENTITY % xhtml-ssismap.module "INCLUDE" >
<![%xhtml-ssismap.module;
<!ENTITY % xhtml-ssismap.mod
 PUBLIC "-//W3C//ELEMENTS XHTML Server-side Image Maps 1.0//EN"
 "http://www.w3.org/MarkUp/DTD/xhtml-ssismap-1.mod" >
%xhtml-ssismap.mod;]]>

<!--[-- Param Element Module ....................................... -->
<!ENTITY % xhtml-param.module "INCLUDE" >
<![%xhtml-param.module;
<!ENTITY % xhtml-param.mod
 PUBLIC "-//W3C//ELEMENTS XHTML Param Element 1.0//EN"
 "http://www.w3.org/MarkUp/DTD/xhtml-param-1.mod" >
%xhtml-param.mod;]]>

<!--[-- Embedded Object Module ..................................... -->
<!ENTITY % xhtml-object.module "INCLUDE" >
<![%xhtml-object.module;
<!ENTITY % xhtml-object.mod
 PUBLIC "-//W3C//ELEMENTS XHTML Embedded Object 1.0//EN"
 "http://www.w3.org/MarkUp/DTD/xhtml-object-1.mod" >
%xhtml-object.mod;]]>

<!--[-- Tables Module ............................................... -->
<!ENTITY % xhtml-table.module "INCLUDE" >
<![%xhtml-table.module;
<!ENTITY % xhtml-table.mod
 PUBLIC "-//W3C//ELEMENTS XHTML Tables 1.0//EN"
 "http://www.w3.org/MarkUp/DTD/xhtml-table-1.mod" >
%xhtml-table.mod;]]>

<!--[-- Forms Module ............................................... -->
<!ENTITY % xhtml-form.module "INCLUDE" >
C.3. XHTML 1.1 Customizations

An XHTML Family Document Type (such as XHTML 1.1) must define the content model that it uses. This is done through a separate content model module that is instantiated by the XHTML Modular Framework. The content model module and the XHTML 1.1 Driver (above) work together to customize the module implementations to the document type’s specific requirements. The content model module for XHTML 1.1 is defined below:

<!|-- XHHTML 1.1 Document Model Module .............................................. -->
<!|-- file: xhtml11-model-1.mod

This is XHTML 1.1, a reformulation of HTML as a modular XML application. Copyright 1998-2007 W3C (MIT, ERCIM, Keio), All Rights Reserved. Revision: $Id: xhtml11-model-1.mod,v 1.15 2007/02/15 21:16:31 ahby Exp $ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES XHTML 1.1 Document Model 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml11-model-1.mod"

Revisions:
This module describes the groupings of elements that make up common content models for XHTML elements.

XHTML has three basic content models:

- `%Inline.mix`; character-level elements
- `%Block.mix`; block-like elements, e.g., paragraphs and lists
- `%Flow.mix`; any block or inline elements

Any parameter entities declared in this module may be used to create element content models, but the above three are considered 'global' (insofar as that term applies here).

The reserved word '#PCDATA' (indicating a text string) is now included explicitly with each element declaration that is declared as mixed content, as XML requires that this token occur first in a content model specification.

While in some cases this module may need to be rewritten to accommodate changes to the document model, minor extensions may be accomplished by redeclaring any of the three *.extra; parameter entities to contain extension element types as follows:

- `%Misc.extra`; whose parent may be any block or inline element.
- `%Inline.extra`; whose parent may be any inline element.
- `%Block.extra`; whose parent may be any block element.

If used, these parameter entities must be an OR-separated list beginning with an OR separator ('|'), e.g., "| a | b | c"

All block and inline *.class parameter entities not part of the *struct.class classes begin with "| " to allow for exclusion from mixes.

Optional Elements in head

```
<!ENTITY % Head0pts.mix "( %script.qname; | %style.qname; | %meta.qname; | %link.qname; | %object.qname; )*" >
```

Miscellaneous Elements

```
<!-- ins and del are used to denote editing changes -->
<!ENTITY % Edit.class "| %ins.qname; | %del.qname;" >
```
<!-- script and noscript are used to contain scripts and alternative content -->
<!ENTITY % Script.class "| %script.qname; | %noscript.qname;" >

<!ENTITY % Misc.extra "" >

<!-- These elements are neither block nor inline, and can essentially be used anywhere in the document body. -->
<!ENTITY % Misc.class "%Edit.class;
 %Script.class;
 %Misc.extra;" >

<!-- ........................  Inline Elements  ........................ -->
<!ENTITY % InlStruct.class "%br.qname; | %span.qname;" >

<!ENTITY % InlPhras.class "| %em.qname; | %strong.qname; | %dfn.qname; | %code.qname;
 %samp.qname; | %kbd.qname; | %var.qname; | %cite.qname;
 %abbr.qname; | %acronym.qname; | %q.qname;" >

<!ENTITY % InlPres.class "| %tt.qname; | %i.qname; | %b.qname; | %big.qname;
 %small.qname; | %sub.qname; | %sup.qname;" >

<!ENTITY % I18n "| %bdo.qname;" >

<!ENTITY % Anchor.class "| %a.qname;" >

<!ENTITY % InlSpecial.class "| %img.qname; | %map.qname;
 %object.qname;" >

<!ENTITY % InlForm.class "| %input.qname; | %select.qname; | %textarea.qname;
 %label.qname; | %button.qname;" >

<!ENTITY % Inline.extra "" >

<!ENTITY % Ruby.class "| %ruby.qname;" >

<!-- %Inline.class; includes all inline elements, used as a component in mixes -->
<!ENTITY % Inline.class "%InlStruct.class;
 %InlPhras.class;
 %InlPres.class;
 %I18n.class;
 %Anchor.class;
 %InlSpecial.class;
 %InlForm.class;" -->
%Ruby.class;
%Inline.extra;"  
>  
<!-- %InlNoRuby.class; includes all inline elements
except ruby, used as a component in mixes
-->  
<!ENTITY % InlNoRuby.class
"%InlStruct.class;
%InlPhras.class;
%InlPres.class;
%I18n.class;
%Anchor.class;
%InlSpecial.class;
%InlForm.class;
%Inline.extra;"  
>  
<!-- %NoRuby.content; includes all inlines except ruby
-->  
<!ENTITY % NoRuby.content
"(#PCDATA |
%InlNoRuby.class;
%Misc.class;)"  
>  
<!-- %InlNoAnchor.class; includes all non-anchor inlines,
used as a component in mixes
-->  
<!ENTITY % InlNoAnchor.class
"%InlStruct.class;
%InlPhras.class;
%InlPres.class;
%I18n.class;
%InlSpecial.class;
%InlForm.class;
%Ruby.class;
%Inline.extra;"  
>  
<!-- %InlNoAnchor.mix; includes all non-anchor inlines
-->  
<!ENTITY % InlNoAnchor.mix
"%InlNoAnchor.class;
%Misc.class;"  
>  
<!-- %Inline.mix; includes all inline elements, including %Misc.class;
-->  
<!ENTITY % Inline.mix
"%Inline.class;
%Misc.class;"  
>  
<!-- ..................... Block Elements ..................... -->  
<!-- In the HTML 4.0 DTD, heading and list elements were included
in the %block; parameter entity. The %Heading.class; and
%List.class; parameter entities must now be included explicitly
on element declarations where desired.

-->  

<!ENTITY % Heading.class
"%h1.qname; | %h2.qname; | %h3.qname;
   | %h4.qname; | %h5.qname; | %h6.qname;" >

<!ENTITY % List.class "%ul.qname; | %ol.qname; | %dl.qname;" >

<!ENTITY % Table.class "| %table.qname;" >

<!ENTITY % Form.class "| %form.qname;" >

<!ENTITY % Fieldset.class "| %fieldset.qname;" >

<!ENTITY % BlkStruct.class "%p.qname; | %div.qname;" >

<!ENTITY % BlkPhras.class
"| %pre.qname; | %blockquote.qname; | %address.qname;" >

<!ENTITY % BlkPres.class "| %hr.qname;" >

<!ENTITY % BlkSpecial.class
"%Table.class;
   %Form.class;
   %Fieldset.class;"
>

<!ENTITY % Block.extra "" >

<!-- %Block.class; includes all block elements,
    used as an component in mixes
-->  

<!ENTITY % Block.class
"%BlkStruct.class;
   %BlkPhras.class;
   %BlkPres.class;
   %BlkSpecial.class;
   %Block.extra;" >

<!-- %Block.mix; includes all block elements plus %Misc.class;
-->  

<!ENTITY % Block.mix
"%Heading.class;
   | %List.class;
   | %Block.class;
   %Misc.class;" >

<!-- ...............  All Content Elements ............... -->

<!-- %Flow.mix; includes all text content, block and inline
-->  

<!ENTITY % Flow.mix
"%Heading.class;
 | %List.class;
 | %Block.class;
 | %Inline.class;
 %Misc.class;"
>

<!-- end of xhtml11-model-1.mod -->
D. XHTML 1.1 XML Schema Definition

This appendix is normative.

D.1. XHTML 1.1 Schema Driver

This section contains the driver for the XHTML 1.1 document type implementation as an XML Schema. It relies upon XHTML module implementations defined in [XHTMLMOD][p.13] and in [RUBY][p.13].

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema
    xmlns:xs="http://www.w3.org/2001/XMLSchema"
    targetNamespace="http://www.w3.org/1999/xhtml"
    xmlns:xh11d="http://www.w3.org/1999/xhtml/datatypes/"
    xmlns="http://www.w3.org/1999/xhtml"
    blockDefault="#all">
  <xs:annotation>
    <xs:documentation>
      This is the XML Schema driver for XHTML 1.1.
      Please use this namespace for XHTML elements:
      "http://www.w3.org/1999/xhtml"
    </xs:documentation>
  </xs:annotation>
  <xs:annotation>
    <xs:documentation source="xhtml-copyright-1.xsd"/>
  </xs:annotation>
  <xs:annotation>
    <xs:documentation>
      This is XHTML, a reformulation of HTML as a modular XML application
      The Extensible HyperText Markup Language (XHTML)
      Copyright ©1998-2007 World Wide Web Consortium
      (Massachusetts Institute of Technology, European Research Consortium
      for Informatics and Mathematics, Keio University).
      All Rights Reserved.
      Permission to use, copy, modify and distribute the XHTML Schema
      modules and their accompanying xs:documentation for any purpose
      and without fee is hereby granted in perpetuity, provided that the above
      copyright notice and this paragraph appear in all copies.
      The copyright holders make no representation about the suitability of
      these XML Schema modules for any purpose.
      They are provided "as is" without expressed or implied warranty.
    </xs:documentation>
  </xs:annotation>
  <xs:annotation>
    <xs:documentation>
      This is the Schema Driver file for XHTML1.1
      Document Type
      This schema
      + imports external schemas (xml.xsd)
    </xs:documentation>
  </xs:annotation>
</xs:schema>
```
XHTML1.1 Document Type includes the following Modules

XHTML Core modules (Required for XHTML Family Conformance)
+ text
+ hypertext
+ lists
+ structure

Other XHTML modules
+ Edit
+ Bdo
+ Presentational
+ Link
+ Meta
+ Base
+ Scripting
+ Style
+ Image
+ Applet
+ Object
+ Param (Applet/Object modules require Param Module)
+ Tables
+ Forms
+ Client side image maps
+ Server side image maps
+ Ruby

</xs:annotation>
</xs:include>

<xs:import
namespace="http://www.w3.org/XML/1998/namespace"
schemaLocation="http://www.w3.org/2001/xml.xsd">
<xs:annotation>
<xs:documentation>
This import brings in the XML namespace attributes
The XML attributes are used by various modules.
</xs:documentation>
</xs:annotation>
</xs:import>

<xs:include
schemaLocation="xhtml11-model-1.xsd">
<xs:annotation>
<xs:documentation>
Document Model module for the XHTML1.1 Document Type.
This schema file defines all named models used by XHTML
Modularization Framework for XHTML1.1 Document Type
</xs:documentation>
</xs:annotation>
</xs:include>

<xs:include
schemaLocation="xhtml11-modules-1.xsd">
<xs:annotation>
<xs:documentation>
Schema that includes all modules (and redefinitions) for XHTML1.1 Document Type.
</xs:documentation>
</xs:annotation>
</xs:include>
D.2. XHTML 1.1 Schema Modules

XHTML Family implementations using XML Schema are required to provide their own schema module that imports the required modules from XHTML Modularization.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" xmlns:xh11d="http://www.w3.org/1999/xhtml/datatypes/"
  schemaLocation="xhtml-datatypes-1.xsd"/>
<xs:import namespace="http://www.w3.org/1999/xhtml/datatypes/"
  schemaLocation="xhtml-datatypes-1.xsd"/>
<xs:annotations>
  <xs:documentation>
    This schema includes all modules for XHTML1.1 Document Type.
    $Id: xhtml11-modules-1.xsd,v 1.3 2006/09/13 13:07:26 ahby Exp $
  </xs:documentation>
  <xs:documentation source="xhtml-copyright-1.xsd"/>
</xs:annotations>
<xs:include schemaLocation="xhtml-framework-1.xsd">
  <xs:annotations>
    <xs:documentation>
      Schema Framework Component Modules:
      + notations
      + datatypes
      + common attributes
      + character entities
    </xs:documentation>
    <xs:documentation source="http://www.w3.org/TR/xhtml-modularization/abstract_modules.html#s_commonatts"/>
  </xs:annotations>
</xs:include>
<xs:include schemaLocation="xhtml-text-1.xsd">
  <xs:annotations>
    <xs:documentation>
      Text module
      The Text module includes declarations for all core text container elements and their attributes.
      + block phrasal
      + block structural
      + inline phrasal
      + inline structural
      Elements defined here:
      * address, blockquote, pre, h1, h2, h3, h4, h5, h6
      * div, p
      * abbr, acronym, cite, code, dfn, em, kbd, q, samp, strong, var
      * hr, span
    </xs:documentation>
    <xs:documentation source="http://www.w3.org/TR/2001/REC-xhtml-modularization-20010410/abstract_modules.html#s_textmodule"/>
  </xs:annotations>
</xs:include>
</xs:schema>
```
Hypertext module

Elements defined here:

- a

Lists module

Elements defined here:

- dl, dd, dt, ol, ul, li

Structural module

Elements defined here:

- title, head, body, html

Edit module

Elements defined here:

- ins, del
<xs:attributeGroup ref="xhtml.csim.attlist">
    <xs:annotation>
        <xs:documentation>
            Redefinition by Client Side Image Map Module
        </xs:documentation>
    </xs:annotation>
    <xs:attributeGroup ref="xhtml.ssimap.attlist">
        <xs:annotation>
            <xs:documentation>
                Redefinition by Server Side Image Module
            </xs:documentation>
        </xs:annotation>
    </xs:attributeGroup>
</xs:redefine>
<xs:redefine schemaLocation="xhtml-object-1.xsd">
    <xs:annotation>
        <xs:documentation>
            Object module
        </xs:documentation>
    </xs:annotation>
    <xs:attributeGroup name="xhtml.object.attlist">
        <xs:attributeGroup ref="xhtml.csim.attlist">
            <xs:annotation>
                <xs:documentation>
                    Original Object Attributes (in CSI Module)
                </xs:documentation>
            </xs:annotation>
        </xs:attributeGroup>
        <xs:attributeGroup ref="xhtml.ssimap.attlist">
            <xs:annotation>
                Redefinition by Events Attribute Module
            </xs:annotation>
        </xs:attributeGroup>
    </xs:attributeGroup>
</xs:redefine>
<xs:redefine schemaLocation="xhtml-param-1.xsd">
    <xs:annotation>
        <xs:documentation>
            Param module
        </xs:documentation>
    </xs:annotation>
    <xs:attributeGroup name="xhtml.csim.attlist">
        <xs:attributeGroup ref="xhtml.csim.attlist">
            <xs:annotation>
                <xs:documentation>
                    Original Area Attributes (in CSI Module)
                </xs:documentation>
            </xs:annotation>
        </xs:attributeGroup>
        <xs:attributeGroup ref="xhtml.ssimap.attlist">
            <xs:annotation>
                Redefinition by Client Image Map Module
            </xs:annotation>
        </xs:attributeGroup>
    </xs:attributeGroup>
</xs:redefine>
<xs:redefine schemaLocation="xhtml-table-1.xsd">
    <xs:annotation>
        <xs:documentation>
            Tables module
        </xs:documentation>
    </xs:annotation>
    <xs:attributeGroup name="xhtml.csim.attlist">
        <xs:attributeGroup ref="xhtml.csim.attlist">
            <xs:annotation>
                <xs:documentation>
                    Original Table Attributes (in CSI Module)
                </xs:documentation>
            </xs:annotation>
        </xs:attributeGroup>
        <xs:attributeGroup ref="xhtml.ssimap.attlist">
            <xs:annotation>
                Redefinition by Server Side Image Module
            </xs:annotation>
        </xs:attributeGroup>
    </xs:attributeGroup>
</xs:redefine>

Elements defined here:
* table, caption, thead, tfoot, tbody, colgroup, col, tr, th, td

</xs:documentation>
</xs:annotation>
</xs:include>
<xs:redefine schemaLocation="http://www.w3.org/TR/xhtml-modularization/abstract_modules.html#s_tablemodule">
<xs:annotation>
<xs:documentation>
Forms module
</xs:documentation>
</xs:include>
Elements defined here:
* form, label, input, select, optgroup, option,
* textarea, fieldset, legend, button
</xs:annotation>
<xs:attributeGroup name="xhtml.form.attlist">
<xs:annotation>
<xs:documentation>
Changes to XHTML Form Attlist
</xs:documentation>
</xs:annotation>
<xs:attributeGroup ref="xhtml.form.attlist">
<xs:annotation>
<xs:documentation>
Original Form Attributes (declared in Forms Module)
</xs:documentation>
</xs:annotation>
<xs:attributeGroup ref="xhtml.form.events.attlist">
<xs:annotation>
<xs:documentation>
XHTML Events Module - Attribute additions
</xs:documentation>
</xs:annotation>
</xs:attributeGroup>
<xs:attributeGroup name="xhtml.input.attlist">
<xs:annotation>
<xs:documentation>
Changes to XHTML Form Input Element
</xs:documentation>
</xs:annotation>
<xs:attributeGroup ref="xhtml.input.attlist">
<xs:annotation>
<xs:documentation>
Original Input Attributes (in Forms Module)
</xs:documentation>
</xs:annotation>
<xs:attributeGroup ref="xhtml.csim.attlist">
<xs:annotation>
<xs:documentation>
Redefinition by Client Side Image Map Module
</xs:documentation>
</xs:annotation>
</xs:attributeGroup>
<xs:attributeGroup ref="xhtml.ssimap.attlist">
<xs:annotation>
<xs:documentation>
Redefinition by Server Side Image Map Module
</xs:documentation>
</xs:annotation>
</xs:attributeGroup>
<xs:attributeGroup ref="xhtml.input.events.attlist">
<xs:annotation>
<xs:documentation>
Redefinition by Event Attribute Module
</xs:documentation>
</xs:annotation>
</xs:attributeGroup>
<xs:attributeGroup name="xhtml.label.attlist">
<xs:attributeGroup ref="xhtml.label.attlist">
<xs:annotation>
<xs:documentation>
Original Label Attributes (in Forms Module)
</xs:documentation>
</xs:annotation>
</xs:attributeGroup>
<xs:attributeGroup ref="xhtml.label.events.attlist">
<xs:annotation>
<xs:documentation>
Redefinition by Event Attribute Module
</xs:documentation>
</xs:annotation>
</xs:attributeGroup>
</xs:attributeGroup>
<xs:attributeGroup name="xhtml.select.attlist">
<xs:attributeGroup ref="xhtml.select.attlist">
<xs:annotation>
<xs:documentation>
Original Select Attributes (in Forms Module)
</xs:documentation>
</xs:annotation>
</xs:attributeGroup>
</xs:attributeGroup>
D.3. XHTML 1.1 Customizations

An XHTML Family Document Type (such as XHTML 1.1) must define the content model that it uses. This is done through a separate content model module that is instantiated by the XHTML Modular Framework. The content model module and the XHTML 1.1 Driver (above) work together to customize the module implementations to the document type’s specific requirements. The content model module for XHTML 1.1 is defined below:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema
    xmlns:xs="http://www.w3.org/2001/XMLSchema"
    elementFormDefault="qualified"
    xmlns:xh11d="http://www.w3.org/1999/xhtml/datatypes/"
>
    <!-- redefine -->
    <xs:include schemaLocation="xhtml-ruby-basic-1.xsd">
        <xs:annotation>
            <xs:documentation>
                Ruby module
            </xs:documentation>
        </xs:annotation>
        <xs:documentation>
            Elements defined here:
            * ruby, rbc, rtc, rb, rt, rp
            Note that either Ruby or Basic Ruby should be used but not both
        </xs:documentation>
    </xs:include>
    <xs:include schemaLocation="xhtml-events-1.xsd">
        <xs:annotation>
            <xs:documentation>
                XHTML Events Modules
                Attributes defined here:
                XHTML Event Types
            </xs:documentation>
        </xs:annotation>
    </xs:include>
</xs:schema>
```
This is the XML Schema module of common content models for XHTML11

XHTML Document Model

This module describes the groupings of elements/attributes that make up common content models for XHTML elements. XHTML has following basic content models:

- xhtml.Inline.mix; character-level elements
- xhtml.Block.mix; block-like elements, e.g., paragraphs and lists
- xhtml.Flow.mix; any block or inline elements
- xhtml.HeadOpts.mix; Head Elements
- xhtml.InlinePre.mix; Special class for pre content model
- xhtml.InlineNoAnchor.mix; Content model for Anchor

Any groups declared in this module may be used to create element content models, but the above are considered ‘global’ (insofar as that term applies here). XHTML has the following Attribute Groups:

- xhtml.Core.extra.attrib
- xhtml.I18n.extra.attrib
- xhtml.Common.extra

The above attribute Groups are considered Global
"style" attribute from Inline Style Module
</xs:documentation>
</xs:annotation>
</xs:attributeGroup>
</xs:attributeGroup>
<xs:attributeGroup
name="xhtml.Core.extra.attrib">
<xs:annotation>
<xs:documentation> Extend Core Attributes </xs:documentation>
</xs:annotation>
</xs:attributeGroup>
</xs:attributeGroup>
<xs:attributeGroup
name="xhtml.Global.core.extra.attrib">
<xs:annotation>
<xs:documentation> Extended Global Core Attributes </xs:documentation>
</xs:annotation>
</xs:attributeGroup>
</xs:attributeGroup>
<xs:attributeGroup
name="xhtml.Global.I18n.extra.attrib">
<xs:annotation>
<xs:documentation> Extended Global I18n attributes </xs:documentation>
</xs:annotation>
</xs:attributeGroup>
</xs:attributeGroup>
<xs:attributeGroup
name="xhtml.Global.Common.extra">
<xs:annotation>
<xs:documentation> Extended Global Common Attributes </xs:documentation>
</xs:annotation>
</xs:attributeGroup>
</xs:attributeGroup>
<xs:group
name="xhtml.Head.extra">
<xs:sequence/>
</xs:group>
<xs:group
name="xhtml.HeadOpts.mix">
<xs:choice>
<xs:element
name="script"
type="xhtml.script.type"/>
<xs:element
name="style"
type="xhtml.style.type"/>
<xs:element
name="meta"
type="xhtml.meta.type"/>
<xs:element
name="link"
type="xhtml.link.type"/>
<xs:element
name="object"
type="xhtml.object.type"/>
<xs:group
ref="xhtml.Head.extra"/>
</xs:choice>
</xs:group>
<xs:group
name="xhtml.head.content"/>
<xs:sequence>
  <xs:group ref="xhtml.HeadOpts.mix" minOccurs="0" maxOccurs="unbounded"/>
  <xs:choice>
    <xs:sequence>
      <xs:element name="title" minOccurs="1" maxOccurs="1" type="xhtml.title.type"/>
      <xs:group ref="xhtml.HeadOpts.mix" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:sequence minOccurs="0">
      <xs:element name="base" type="xhtml.base.type"/>
      <xs:group ref="xhtml.HeadOpts.mix" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:choice>
</xs:sequence>

<xs:sequence>
  <xs:element name="base" type="xhtml.base.type" minOccurs="1" maxOccurs="1"/>
  <xs:group ref="xhtml.HeadOpts.mix" minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="title" minOccurs="1" maxOccurs="1" type="xhtml.title.type"/>
  <xs:group ref="xhtml.HeadOpts.mix" minOccurs="0" maxOccurs="unbounded"/>
</xs:sequence>
</xs:sequence>
</xs:group>
</xs:choice>
</xs:sequence>
</xs:group>
</xs:choice>
</xs:sequence>

<!-- ins and del are used to denote editing changes -->

<xs:group name="xhtml.Edit.class">
  <xs:choice>
    <xs:element>
name="ins"
   type="xhtml.edit.type"/>
  <xs:element
   name="del"
   type="xhtml.edit.type"/>
  </xs:choice>
</xs:group>
!--
script and noscript are used to contain scripts
and alternative content
-->  
<xs:group
   name="xhtml.Script.class">
  <xs:choice>
   <xs:element
    name="script"
    type="xhtml.script.type"/>
   <xs:element
    name="noscript"
    type="xhtml.noscript.type"/>
  </xs:choice>
</xs:group>
<xs:group
   name="xhtml.Misc.extra">
  <xs:sequence/>
</xs:group>
!--
These elements are neither block nor inline, and can
essentially be used anywhere in the document body.
-->  
<xs:group
   name="xhtml.Misc.class">
  <xs:choice>
   <xs:group
    ref="xhtml.Edit.class"/>
   <xs:group
    ref="xhtml.Script.class"/>
   <xs:group
    ref="xhtml.Misc.extra"/>
  </xs:choice>
</xs:group>
!-- Inline Elements -->
<xs:group
   name="xhtml.InlStruct.class">
  <xs:choice>
   <xs:element
    name="br"
    type="xhtml.br.type"/>
   <xs:element
    name="span"
    type="xhtml.span.type"/>
  </xs:choice>
</xs:group>
<xs:group
   name="xhtml.InlPhras.class">
  <xs:choice>
   </xs:choice>
</xs:group>
name="em"
type="xhtml.em.type"/>
<xs:element
name="strong"
type="xhtml.strong.type"/>
<xs:element
name="dfn"
type="xhtml.dfn.type"/>
<xs:element
name="code"
type="xhtml.code.type"/>
<xs:element
name="samp"
type="xhtml.samp.type"/>
<xs:element
name="kbd"
type="xhtml.kbd.type"/>
<xs:element
name="var"
type="xhtml.var.type"/>
<xs:element
name="cite"
type="xhtml.cite.type"/>
<xs:element
name="abbr"
type="xhtml.abbr.type"/>
<xs:element
name="acronym"
type="xhtml.acronym.type"/>
<xs:element
name="q"
type="xhtml.q.type"/>
</xs:choice>
</xs:group>
<xs:group
name="xhtml.InlPres.class">
<xs:choice>
<xs:element
name="tt"
type="xhtml.InlPres.type"/>
<xs:element
name="i"
type="xhtml.InlPres.type"/>
<xs:element
name="b"
type="xhtml.InlPres.type"/>
<xs:element
name="big"
type="xhtml.InlPres.type"/>
<xs:element
name="small"
type="xhtml.InlPres.type"/>
<xs:element
name="sub"
type="xhtml.InlPres.type"/>
<xs:element
name="sup"
<xs:group name="xhtml.Ruby.class">
  <xs:sequence>
    <xs:element name="ruby" type="xhtml.ruby.type"/>
  </xs:sequence>
</xs:group>

<!--
Inline.class includes all inline elements, used as a component in mixes
-->
<xs:group name="xhtml.Inline.class">
  <xs:choice>
    <xs:group ref="xhtml.InlStruct.class"/>
    <xs:group ref="xhtml.InlPhras.class"/>
    <xs:group ref="xhtml.InlPres.class"/>
    <xs:group ref="xhtml.I18n.class"/>
    <xs:group ref="xhtml.Anchor.class"/>
    <xs:group ref="xhtml.InlSpecial.class"/>
    <xs:group ref="xhtml.InlForm.class"/>
    <xs:group ref="xhtml.Inline.extra"/>
    <xs:group ref="xhtml.InlRuby.class"/>
  </xs:choice>
</xs:group>

<!--
InlNoRuby.class includes all inline elements except ruby
-->
<xs:group name="xhtml.InlNoRuby.class">
  <xs:choice>
    <xs:group ref="xhtml.InlStruct.class"/>
    <xs:group ref="xhtml.InlPhras.class"/>
    <xs:group ref="xhtml.InlPres.class"/>
    <xs:group ref="xhtml.I18n.class"/>
    <xs:group ref="xhtml.Anchor.class"/>
    <xs:group ref="xhtml.InlSpecial.class"/>
    <xs:group ref="xhtml.InlForm.class"/>
    <xs:group ref="xhtml.Inline.extra"/>
  </xs:choice>
</xs:group>
ref="xhtml.InlinePre.mixin">
    <xs:choice>
        <xs:group
            ref="xhtml.InlStruct.class"/>
        <xs:group
            ref="xhtml.InlPhras.class"/>
        <xs:element
            name="tt"
            type="xhtml.InlPres.type"/>
        <xs:element
            name="i"
            type="xhtml.InlPres.type"/>
        <xs:element
            name="b"
            type="xhtml.InlPres.type"/>
        <xs:group
            ref="xhtml.I18n.class"/>
        <xs:group
            ref="xhtml.Anchor.class"/>
        <xs:group
            ref="xhtml.Misc.class"/>
        <xs:element
            name="map"
            type="xhtml.map.type"/>
        <xs:group
            ref="xhtml.Inline.extra"/>
    </xs:choice>
</xs:group>
</xs:choice>
<!--
InlNoAnchor.class includes all non-anchor inlines, used as a component in mixes
-->
InlNoAnchor.mix includes all non-anchor inlines

Inline.mix includes all inline elements, including Misc.class

InlNoRuby.mix includes all of inline.mix elements except ruby

In the HTML 4 DTD, heading and list elements were included in the block group. The Heading.class and List.class groups must now be included explicitly on element declarations where desired.
Block.class includes all block elements,
used as a component in mixes

<xs:element
name="div"
type="xhtml.div.type"/>
</xs:choice>
</xs:group>
<xs:group
name="xhtml.BlkPhras.class">
<xs:choice>
<xs:element
name="pre"
type="xhtml.pre.type"/>
<xs:element
name="blockquote"
type="xhtml.blockquote.type"/>
<xs:element
name="address"
type="xhtml.address.type"/>
</xs:choice>
</xs:group>
<xs:group
name="xhtml.BlkPres.class">
<xs:sequence>
<xs:element
name="hr"
type="xhtml.hr.type"/>
</xs:sequence>
</xs:group>
<xs:group
name="xhtml.BlkSpecial.class">
<xs:choice>
<xs:group
ref="xhtml.Table.class"/>
<xs:group
ref="xhtml.Form.class"/>
<xs:group
ref="xhtml.Fieldset.class"/>
</xs:choice>
</xs:group>
<xs:group
name="xhtml.Block.extra">
<xs:sequence/>
</xs:group>
<!--
Block.class includes all block elements,
used as a component in mixes
-->
<xs:group
name="xhtml.Block.class">
<xs:choice>
<xs:group
ref="xhtml.BlkStruct.class"/>
<xs:group
ref="xhtml.BlkPhras.class"/>
<xs:group
ref="xhtml.BlkPres.class"/>
<xs:group
ref="xhtml.BlkSpecial.class"/>
D.3. XHTML 1.1 Customizations

<xs:group name="xhtml.Block.mix">
  <xs:choice>
    <xs:group ref="xhtml.Heading.class"/>
    <xs:group ref="xhtml.List.class"/>
    <xs:group ref="xhtml.Block.class"/>
    <xs:group ref="xhtml.Misc.class"/>
  </xs:choice>
</xs:group>

All Content Elements

Flow.mix includes all text content, block and inline
Note that the "any" element included here allows us
to add data from any other namespace, a necessity
for compound document creation.
Note however that it is not possible to add
to any head level element without further
modification. To add RDF metadata to the head
of a document, modify the structure module.

<xs:group name="xhtml.Flow.mix">
  <xs:choice>
    <xs:group ref="xhtml.Heading.class"/>
    <xs:group ref="xhtml.List.class"/>
    <xs:group ref="xhtml.Block.class"/>
    <xs:group ref="xhtml.Inline.class"/>
    <xs:group ref="xhtml.Misc.class"/>
  </xs:choice>
</xs:group>

BlkNoForm.mix includes all non-form block elements,
plus Misc.class

<xs:group name="xhtml.BlkNoForm.mix">
  <xs:choice>
    <xs:group ref="xhtml.Heading.class"/>
    <xs:group ref="xhtml.List.class"/>
  </xs:choice>
</xs:group>
<xs:choice>
  <xs:element ref="xhtml.BlkStruct.class"/>
  <xs:element ref="xhtml.BlkPhras.class"/>
  <xs:element ref="xhtml.BlkPres.class"/>
  <xs:element ref="xhtml.Table.class"/>
  <xs:element ref="xhtml.Block.extra"/>
  <xs:element ref="xhtml.Misc.class"/>
</xs:choice>
</xs:group>
E. Acknowledgements

This appendix is informative.

This specification was prepared by the W3C HTML Working Group. The members at the time of publication of the first edition were:

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