

```

<!--
  Extensible HTML version 1.0 Transitional DTD

  This is the same as HTML 4 Transitional except for
  changes due to the differences between XML and SGML.

  Namespace = http://www.w3.org/1999/xhtml

  For further information, see: http://www.w3.org/TR/xhtml1

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  All Rights Reserved.

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

  PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  SYSTEM "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"

  $Revision: 1.1 $
  $Date: 2018/03/20 03:13:13 $

-->

<!--===== Character mnemonic entities =====-->

<!ENTITY % HTMLlat1 PUBLIC
  "-//W3C//ENTITIES Latin 1 for XHTML//EN"
  "xhtml-lat1.ent">
%HTMLlat1;

<!ENTITY % HTMLsymbol PUBLIC
  "-//W3C//ENTITIES Symbols for XHTML//EN"
  "xhtml-symbol.ent">
%HTMLsymbol;

<!ENTITY % HTMLspecial PUBLIC
  "-//W3C//ENTITIES Special for XHTML//EN"
  "xhtml-special.ent">
%HTMLspecial;

<!--===== Imported Names =====-->

<!ENTITY % ContentType "CDATA">
  <!-- media type, as per [RFC2045] -->

<!ENTITY % ContentTypes "CDATA">
  <!-- comma-separated list of media types, as per [RFC2045] -->

<!ENTITY % Charset "CDATA">
  <!-- a character encoding, as per [RFC2045] -->

<!ENTITY % Charsets "CDATA">
  <!-- a space separated list of character encodings, as per [RFC2045] -->

<!ENTITY % LanguageCode "NMTOKEN">
  <!-- a language code, as per [RFC3066] -->

<!ENTITY % Character "CDATA">
  <!-- a single character, as per section 2.2 of [XML] -->

<!ENTITY % Number "CDATA">
  <!-- one or more digits -->

<!ENTITY % LinkTypes "CDATA">

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<!-- space-separated list of link types -->

<!ENTITY % MediaDesc "CDATA">
  <!-- single or comma-separated list of media descriptors -->

<!ENTITY % URI "CDATA">
  <!-- a Uniform Resource Identifier, see [RFC2396] -->

<!ENTITY % UriList "CDATA">
  <!-- a space separated list of Uniform Resource Identifiers -->

<!ENTITY % Datetime "CDATA">
  <!-- date and time information. ISO date format -->

<!ENTITY % Script "CDATA">
  <!-- script expression -->

<!ENTITY % StyleSheet "CDATA">
  <!-- style sheet data -->

<!ENTITY % Text "CDATA">
  <!-- used for titles etc. -->

<!ENTITY % FrameTarget "NMTOKEN">
  <!-- render in this frame -->

<!ENTITY % Length "CDATA">
  <!-- nn for pixels or nn% for percentage length -->

<!ENTITY % MultiLength "CDATA">
  <!-- pixel, percentage, or relative -->

<!ENTITY % Pixels "CDATA">
  <!-- integer representing length in pixels -->

<!-- these are used for image maps -->

<!ENTITY % Shape "(rect|circle|poly|default)">

<!ENTITY % Coords "CDATA">
  <!-- comma separated list of lengths -->

<!-- used for object, applet, img, input and iframe -->
<!ENTITY % ImgAlign "(top|middle|bottom|left|right)">

<!-- a color using sRGB: #RRGGBB as Hex values -->
<!ENTITY % Color "CDATA">

<!-- There are also 16 widely known color names with their sRGB values:

    Black  = #000000    Green  = #008000
    Silver = #C0C0C0    Lime   = #00FF00
    Gray   = #808080    Olive  = #808000
    White  = #FFFFFF    Yellow  = #FFFF00
    Maroon = #800000    Navy   = #000080
    Red    = #FF0000    Blue   = #0000FF
    Purple = #800080    Teal   = #008080
    Fuchsia= #FF00FF    Aqua   = #00FFFF
-->

<!--===== Generic Attributes =====-->

<!-- core attributes common to most elements
    id      document-wide unique id
    class   space separated list of classes

```

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    style      associated style info
    title      advisory title/amplification
-->
<!ENTITY % coreattrs
" id          ID                #IMPLIED
  class       CDATA             #IMPLIED
  style       %StyleSheet;      #IMPLIED
  title       %Text;            #IMPLIED"
>

<!-- internationalization attributes
  lang        language code (backwards compatible)
  xml:lang    language code (as per XML 1.0 spec)
  dir         direction for weak/neutral text
-->
<!ENTITY % il8n
" lang        %LanguageCode; #IMPLIED
  xml:lang    %LanguageCode; #IMPLIED
  dir         (ltr|rtl)      #IMPLIED"
>

<!-- attributes for common UI events
  onclick     a pointer button was clicked
  ondblclick  a pointer button was double clicked
  onmousedown a pointer button was pressed down
  onmouseup   a pointer button was released
  onmousemove a pointer was moved onto the element
  onmouseout  a pointer was moved away from the element
  onkeypress  a key was pressed and released
  onkeydown   a key was pressed down
  onkeyup     a key was released
-->
<!ENTITY % events
" onclick     %Script;          #IMPLIED
  ondblclick  %Script;          #IMPLIED
  onmousedown %Script;          #IMPLIED
  onmouseup   %Script;          #IMPLIED
  onmouseover %Script;          #IMPLIED
  onmousemove %Script;          #IMPLIED
  onmouseout  %Script;          #IMPLIED
  onkeypress  %Script;          #IMPLIED
  onkeydown   %Script;          #IMPLIED
  onkeyup     %Script;          #IMPLIED"
>

<!-- attributes for elements that can get the focus
  accesskey   accessibility key character
  tabindex    position in tabbing order
  onfocus    the element got the focus
  onblur      the element lost the focus
-->
<!ENTITY % focus
" accesskey   %Character;      #IMPLIED
  tabindex    %Number;         #IMPLIED
  onfocus    %Script;         #IMPLIED
  onblur      %Script;         #IMPLIED"
>

<!ENTITY % attrs "%coreattrs; %il8n; %events;">

<!-- text alignment for p, div, h1-h6. The default is
  align="left" for ltr headings, "right" for rtl -->

<!ENTITY % TextAlign "align (left|center|right|justify) #IMPLIED">

```

```

<!--===== Text Elements =====-->

<!ENTITY % special.extra
    "object | applet | img | map | iframe">

<!ENTITY % special.basic
    "br | span | bdo">

<!ENTITY % special
    "%special.basic; | %special.extra;">

<!ENTITY % fontstyle.extra "big | small | font | basefont">

<!ENTITY % fontstyle.basic "tt | i | b | u
    | s | strike ">

<!ENTITY % fontstyle "%fontstyle.basic; | %fontstyle.extra;">

<!ENTITY % phrase.extra "sub | sup">
<!ENTITY % phrase.basic "em | strong | dfn | code | q |
    samp | kbd | var | cite | abbr | acronym">

<!ENTITY % phrase "%phrase.basic; | %phrase.extra;">

<!ENTITY % inline.forms "input | select | textarea | label | button">

<!-- these can occur at block or inline level -->
<!ENTITY % misc.inline "ins | del | script">

<!-- these can only occur at block level -->
<!ENTITY % misc "noscript | %misc.inline;">

<!ENTITY % inline "a | %special; | %fontstyle; | %phrase; | %inline.forms;">

<!-- %Inline; covers inline or "text-level" elements -->
<!ENTITY % Inline "(#PCDATA | %inline; | %misc.inline;)*">

<!--===== Block level elements =====-->

<!ENTITY % heading "h1|h2|h3|h4|h5|h6">
<!ENTITY % lists "ul | ol | dl | menu | dir">
<!ENTITY % blocktext "pre | hr | blockquote | address | center | noframes">

<!ENTITY % block
    "p | %heading; | div | %lists; | %blocktext; | isindex | fieldset | table">

<!-- %Flow; mixes block and inline and is used for list items etc. -->
<!ENTITY % Flow "(#PCDATA | %block; | form | %inline; | %misc;)*">

<!--===== Content models for exclusions =====-->

<!-- a elements use %Inline; excluding a -->

<!ENTITY % a.content
    "(#PCDATA | %special; | %fontstyle; | %phrase; | %inline.forms; | %misc.inline;)*">

<!-- pre uses %Inline excluding img, object, applet, big, small,
    font, or basefont -->

<!ENTITY % pre.content
    "(#PCDATA | a | %special.basic; | %fontstyle.basic; | %phrase.basic; |
    %inline.forms; | %misc.inline;)*">

<!-- form uses %Flow; excluding form -->

```

```

<!ENTITY % form.content "(#PCDATA | %block; | %inline; | %misc;)*">

<!-- button uses %Flow; but excludes a, form, form controls, iframe -->

<!ENTITY % button.content
  "(#PCDATA | p | %heading; | div | %lists; | %blocktext; |
    table | br | span | bdo | object | applet | img | map |
    %fontstyle; | %phrase; | %misc;)*">

<!--===== Document Structure =====-->

<!-- the namespace URI designates the document profile -->

<!ELEMENT html (head, body)>
<!ATTLIST html
  %il8n;
  id          ID          #IMPLIED
  xmlns       %URI;       #FIXED 'http://www.w3.org/1999/xhtml'
>

<!--===== Document Head =====-->

<!ENTITY % head.misc "(script|style|meta|link|object|isindex)*">

<!-- content model is %head.misc; combined with a single
  title and an optional base element in any order -->

<!ELEMENT head (%head.misc;,
  ((title, %head.misc;, (base, %head.misc;?)) |
  (base, %head.misc;, (title, %head.misc;))))>

<!ATTLIST head
  %il8n;
  id          ID          #IMPLIED
  profile     %URI;       #IMPLIED
>

<!-- The title element is not considered part of the flow of text.
  It should be displayed, for example as the page header or
  window title. Exactly one title is required per document.
-->
<!ELEMENT title (#PCDATA)>
<!ATTLIST title
  %il8n;
  id          ID          #IMPLIED
>

<!-- document base URI -->

<!ELEMENT base EMPTY>
<!ATTLIST base
  id          ID          #IMPLIED
  href        %URI;       #IMPLIED
  target      %FrameTarget; #IMPLIED
>

<!-- generic metainformation -->
<!ELEMENT meta EMPTY>
<!ATTLIST meta
  %il8n;
  id          ID          #IMPLIED
  http-equiv  CDATA       #IMPLIED
  name        CDATA       #IMPLIED
  content     CDATA       #REQUIRED
  scheme      CDATA       #IMPLIED

```

>

<!--

Relationship values can be used in principle:

- a) for document specific toolbars/menus when used with the link element in document head e.g.
start, contents, previous, next, index, end, help
- b) to link to a separate style sheet (rel="stylesheet")
- c) to make a link to a script (rel="script")
- d) by stylesheets to control how collections of html nodes are rendered into printed documents
- e) to make a link to a printable version of this document e.g. a PostScript or PDF version (rel="alternate" media="print")

-->

<!-- ELEMENT link EMPTY -->

<!-- ATTLIST link

```
%attrs;
charset      %Charset;      #IMPLIED
href         %URI;          #IMPLIED
hreflang     %LanguageCode; #IMPLIED
type         %ContentType;  #IMPLIED
rel          %LinkTypes;    #IMPLIED
rev          %LinkTypes;    #IMPLIED
media        %MediaDesc;    #IMPLIED
target       %FrameTarget;  #IMPLIED
```

>

<!-- style info, which may include CDATA sections -->

<!-- ELEMENT style (#PCDATA) -->

<!-- ATTLIST style

```
%il8n;
id           ID              #IMPLIED
type         %ContentType;   #REQUIRED
media        %MediaDesc;     #IMPLIED
title        %Text;          #IMPLIED
xml:space    (preserve)      #FIXED 'preserve'
```

>

<!-- script statements, which may include CDATA sections -->

<!-- ELEMENT script (#PCDATA) -->

<!-- ATTLIST script

```
id           ID              #IMPLIED
charset      %Charset;      #IMPLIED
type         %ContentType;   #REQUIRED
language     CDATA          #IMPLIED
src          %URI;          #IMPLIED
defer        (defer)        #IMPLIED
xml:space    (preserve)      #FIXED 'preserve'
```

>

<!-- alternate content container for non script-based rendering -->

<!-- ELEMENT noscript %Flow; -->

<!-- ATTLIST noscript

%attrs;

>

<!-- ===== Frames ===== -->

<!-- inline subwindow -->

<!-- ELEMENT iframe %Flow; -->

<!-- ATTLIST iframe

```

%coreattrs;
longdesc    %URI;          #IMPLIED
name        NMTOKEN        #IMPLIED
src         %URI;          #IMPLIED
frameborder (1|0)          "1"
marginwidth %Pixels;        #IMPLIED
marginheight %Pixels;       #IMPLIED
scrolling   (yes|no|auto)   "auto"
align       %ImgAlign;      #IMPLIED
height      %Length;        #IMPLIED
width       %Length;        #IMPLIED
>

```

```
<!-- alternate content container for non frame-based rendering -->
```

```

<!ELEMENT noframes %Flow;>
<!ATTLIST noframes
  %attrs;
>

```

```
<!--===== Document Body =====-->
```

```

<!ELEMENT body %Flow;>
<!ATTLIST body
  %attrs;
  onload    %Script;        #IMPLIED
  onunload  %Script;        #IMPLIED
  background %URI;          #IMPLIED
  bgcolor    %Color;         #IMPLIED
  text       %Color;         #IMPLIED
  link       %Color;         #IMPLIED
  vlink      %Color;         #IMPLIED
  alink      %Color;         #IMPLIED
>

```

```

<!ELEMENT div %Flow;> <!-- generic language/style container -->
<!ATTLIST div
  %attrs;
  %TextAlign;
>

```

```
<!--===== Paragraphs =====-->
```

```

<!ELEMENT p %Inline;>
<!ATTLIST p
  %attrs;
  %TextAlign;
>

```

```
<!--===== Headings =====-->
```

```

<!--
  There are six levels of headings from h1 (the most important)
  to h6 (the least important).
-->

```

```

<!ELEMENT h1 %Inline;>
<!ATTLIST h1
  %attrs;
  %TextAlign;
>

```

```

<!ELEMENT h2 %Inline;>
<!ATTLIST h2
  %attrs;

```

```

    %TextAlign;
  >

<!--ELEMENT h3 %Inline;-->
<!--ATTLIST h3
    %attrs;
    %TextAlign;
-->

<!--ELEMENT h4 %Inline;-->
<!--ATTLIST h4
    %attrs;
    %TextAlign;
-->

<!--ELEMENT h5 %Inline;-->
<!--ATTLIST h5
    %attrs;
    %TextAlign;
-->

<!--ELEMENT h6 %Inline;-->
<!--ATTLIST h6
    %attrs;
    %TextAlign;
-->

<!--===== Lists =====-->

<!-- Unordered list bullet styles -->

<!--ENTITY % ULStyle "(disc|square|circle)"-->

<!-- Unordered list -->

<!--ELEMENT ul (li)+-->
<!--ATTLIST ul
    %attrs;
    type          %ULStyle;      #IMPLIED
    compact       (compact)      #IMPLIED
-->

<!-- Ordered list numbering style

    1  arabic numbers      1, 2, 3, ...
    a  lower alpha        a, b, c, ...
    A  upper alpha        A, B, C, ...
    i  lower roman        i, ii, iii, ...
    I  upper roman        I, II, III, ...

    The style is applied to the sequence number which by default
    is reset to 1 for the first list item in an ordered list.
-->
<!--ENTITY % OLStyle "CDATA"-->

<!-- Ordered (numbered) list -->

<!--ELEMENT ol (li)+-->
<!--ATTLIST ol
    %attrs;
    type          %OLStyle;      #IMPLIED
    compact       (compact)      #IMPLIED
    start         %Number;       #IMPLIED
-->

```



```

<!-- single column list (DEPRECATED) -->
<!ELEMENT menu (li)+>
<!ATTLIST menu
    %attrs;
    compact      (compact)      #IMPLIED
>

<!-- multiple column list (DEPRECATED) -->
<!ELEMENT dir (li)+>
<!ATTLIST dir
    %attrs;
    compact      (compact)      #IMPLIED
>

<!-- LIStyle is constrained to: "(%ULStyle;|%OLStyle;)" -->
<!ENTITY % LIStyle "CDATA">

<!-- list item -->

<!ELEMENT li %Flow;>
<!ATTLIST li
    %attrs;
    type          %LIStyle;      #IMPLIED
    value         %Number;       #IMPLIED
>

<!-- definition lists - dt for term, dd for its definition -->

<!ELEMENT dl (dt|dd)+>
<!ATTLIST dl
    %attrs;
    compact      (compact)      #IMPLIED
>

<!ELEMENT dt %Inline;>
<!ATTLIST dt
    %attrs;
>

<!ELEMENT dd %Flow;>
<!ATTLIST dd
    %attrs;
>

<!--===== Address =====>

<!-- information on author -->

<!ELEMENT address (#PCDATA | %inline; | %misc.inline; | p)*>
<!ATTLIST address
    %attrs;
>

<!--===== Horizontal Rule =====>

<!ELEMENT hr EMPTY>
<!ATTLIST hr
    %attrs;
    align        (left|center|right) #IMPLIED
    noshade      (noshade)          #IMPLIED
    size         %Pixels;           #IMPLIED
    width        %Length;           #IMPLIED
>

<!--===== Preformatted Text =====>

```

```

<!-- content is %Inline; excluding
      "img|object|applet|big|small|sub|sup|font|basefont" -->

<!ELEMENT pre %pre.content;>
<!ATTLIST pre
  %attrs;
  width      %Number;      #IMPLIED
  xml:space   (preserve)    #FIXED 'preserve'
>

<!--===== Block-like Quotes =====-->

<!ELEMENT blockquote %Flow;>
<!ATTLIST blockquote
  %attrs;
  cite      %URI;          #IMPLIED
>

<!--===== Text alignment =====-->

<!-- center content -->
<!ELEMENT center %Flow;>
<!ATTLIST center
  %attrs;
>

<!--===== Inserted/Deleted Text =====-->

<!--
  ins/del are allowed in block and inline content, but its
  inappropriate to include block content within an ins element
  occurring in inline content.
-->
<!ELEMENT ins %Flow;>
<!ATTLIST ins
  %attrs;
  cite      %URI;          #IMPLIED
  datetime  %Datetime;     #IMPLIED
>

<!ELEMENT del %Flow;>
<!ATTLIST del
  %attrs;
  cite      %URI;          #IMPLIED
  datetime  %Datetime;     #IMPLIED
>

<!--===== The Anchor Element =====-->

<!-- content is %Inline; except that anchors shouldn't be nested -->

<!ELEMENT a %a.content;>
<!ATTLIST a
  %attrs;
  %focus;
  charset   %Charset;      #IMPLIED
  type      %ContentType;  #IMPLIED
  name      NMTOKEN        #IMPLIED
  href      %URI;          #IMPLIED
  hreflang  %LanguageCode; #IMPLIED
  rel       %LinkTypes;    #IMPLIED
  rev       %LinkTypes;    #IMPLIED
  shape     %Shape;        "rect"
  coords    %Coords;       #IMPLIED

```

```

target      %FrameTarget; #IMPLIED
>

<!--===== Inline Elements =====-->

<!ELEMENT span %Inline;> <!-- generic language/style container -->
<!ATTLIST span
  %attrs;
>

<!ELEMENT bdo %Inline;> <!-- I18N BiDi over-ride -->
<!ATTLIST bdo
  %coreattrs;
  %events;
  lang      %LanguageCode; #IMPLIED
  xml:lang  %LanguageCode; #IMPLIED
  dir       (ltr|rtl)      #REQUIRED
>

<!ELEMENT br EMPTY> <!-- forced line break -->
<!ATTLIST br
  %coreattrs;
  clear     (left|all|right|none) "none"
>

<!ELEMENT em %Inline;> <!-- emphasis -->
<!ATTLIST em %attrs;>

<!ELEMENT strong %Inline;> <!-- strong emphasis -->
<!ATTLIST strong %attrs;>

<!ELEMENT dfn %Inline;> <!-- definitional -->
<!ATTLIST dfn %attrs;>

<!ELEMENT code %Inline;> <!-- program code -->
<!ATTLIST code %attrs;>

<!ELEMENT samp %Inline;> <!-- sample -->
<!ATTLIST samp %attrs;>

<!ELEMENT kbd %Inline;> <!-- something user would type -->
<!ATTLIST kbd %attrs;>

<!ELEMENT var %Inline;> <!-- variable -->
<!ATTLIST var %attrs;>

<!ELEMENT cite %Inline;> <!-- citation -->
<!ATTLIST cite %attrs;>

<!ELEMENT abbr %Inline;> <!-- abbreviation -->
<!ATTLIST abbr %attrs;>

<!ELEMENT acronym %Inline;> <!-- acronym -->
<!ATTLIST acronym %attrs;>

<!ELEMENT q %Inline;> <!-- inlined quote -->
<!ATTLIST q
  %attrs;
  cite      %URI;          #IMPLIED
>

<!ELEMENT sub %Inline;> <!-- subscript -->
<!ATTLIST sub %attrs;>

<!ELEMENT sup %Inline;> <!-- superscript -->

```

```

<!ATTLIST sup %attrs;>

<!ELEMENT tt %Inline;>    <!-- fixed pitch font -->
<!ATTLIST tt %attrs;>

<!ELEMENT i %Inline;>     <!-- italic font -->
<!ATTLIST i %attrs;>

<!ELEMENT b %Inline;>     <!-- bold font -->
<!ATTLIST b %attrs;>

<!ELEMENT big %Inline;>   <!-- bigger font -->
<!ATTLIST big %attrs;>

<!ELEMENT small %Inline;> <!-- smaller font -->
<!ATTLIST small %attrs;>

<!ELEMENT u %Inline;>     <!-- underline -->
<!ATTLIST u %attrs;>

<!ELEMENT s %Inline;>     <!-- strike-through -->
<!ATTLIST s %attrs;>

<!ELEMENT strike %Inline;> <!-- strike-through -->
<!ATTLIST strike %attrs;>

<!ELEMENT basefont EMPTY <!-- base font size -->
<!ATTLIST basefont
  id          ID          #IMPLIED
  size        CDATA       #REQUIRED
  color       %Color;     #IMPLIED
  face        CDATA       #IMPLIED
>

<!ELEMENT font %Inline;> <!-- local change to font -->
<!ATTLIST font
  %coreattrs;
  %il8n;
  size        CDATA       #IMPLIED
  color       %Color;     #IMPLIED
  face        CDATA       #IMPLIED
>

<!--===== Object =====-->
<!--
  object is used to embed objects as part of HTML pages.
  param elements should precede other content. Parameters
  can also be expressed as attribute/value pairs on the
  object element itself when brevity is desired.
-->

<!ELEMENT object (#PCDATA | param | %block; | form | %inline; | %misc;)*>
<!ATTLIST object
  %attrs;
  declare      (declare)   #IMPLIED
  classid      %URI;       #IMPLIED
  codebase     %URI;       #IMPLIED
  data         %URI;       #IMPLIED
  type         %ContentType; #IMPLIED
  codetype     %ContentType; #IMPLIED
  archive      %UriList;   #IMPLIED
  standby      %Text;      #IMPLIED
  height       %Length;    #IMPLIED
  width        %Length;    #IMPLIED
  usemap       %URI;       #IMPLIED

```

```

name      NMTOKEN      #IMPLIED
tabindex  %Number;     #IMPLIED
align     %ImgAlign;   #IMPLIED
border    %Pixels;     #IMPLIED
hspace    %Pixels;     #IMPLIED
vspace    %Pixels;     #IMPLIED
>

```

```

<!--
  param is used to supply a named property value.
  In XML it would seem natural to follow RDF and support an
  abbreviated syntax where the param elements are replaced
  by attribute value pairs on the object start tag.
-->

```

```

<!ELEMENT param EMPTY>
<!ATTLIST param
  id      ID          #IMPLIED
  name    CDATA       #REQUIRED
  value   CDATA       #IMPLIED
  datatype (data|ref|object) "data"
  type    %ContentType; #IMPLIED
>

```

```

<!--===== Java applet =====>

```

```

<!--
  One of code or object attributes must be present.
  Place param elements before other content.
-->
<!ELEMENT applet (#PCDATA | param | %block; | form | %inline; | %misc;)*>
<!ATTLIST applet
  %coreattrs;
  codebase %URI;      #IMPLIED
  archive  CDATA      #IMPLIED
  code     CDATA      #IMPLIED
  object   CDATA      #IMPLIED
  alt      %Text;     #IMPLIED
  name     NMTOKEN    #IMPLIED
  width    %Length;   #REQUIRED
  height   %Length;   #REQUIRED
  align    %ImgAlign; #IMPLIED
  hspace   %Pixels;   #IMPLIED
  vspace   %Pixels;   #IMPLIED
>

```

```

<!--===== Images =====>

```

```

<!--
  To avoid accessibility problems for people who aren't
  able to see the image, you should provide a text
  description using the alt and longdesc attributes.
  In addition, avoid the use of server-side image maps.
-->

```

```

<!ELEMENT img EMPTY>
<!ATTLIST img
  %attrs;
  src      %URI;      #REQUIRED
  alt      %Text;     #REQUIRED
  name     NMTOKEN    #IMPLIED
  longdesc %URI;      #IMPLIED
  height   %Length;   #IMPLIED
  width    %Length;   #IMPLIED
  usemap   %URI;      #IMPLIED
  ismap    (ismap)    #IMPLIED
  align    %ImgAlign; #IMPLIED

```

```

border      %Length;      #IMPLIED
hspace      %Pixels;      #IMPLIED
vspace      %Pixels;      #IMPLIED
>

```

```

<!-- usemap points to a map element which may be in this document
or an external document, although the latter is not widely supported -->

```

```

<!--===== Client-side image maps =====>

```

```

<!-- These can be placed in the same document or grouped in a
separate document although this isn't yet widely supported -->

```

```

<!ELEMENT map ((%block; | form | %misc;)+ | area+)>

```

```

<!ATTLIST map
  %il8n;
  %events;
  id          ID          #REQUIRED
  class       CDATA       #IMPLIED
  style       %StyleSheet; #IMPLIED
  title       %Text;      #IMPLIED
  name        CDATA       #IMPLIED
>

```

```

<!ELEMENT area EMPTY>

```

```

<!ATTLIST area
  %attrs;
  %focus;
  shape       %Shape;      "rect"
  coords      %Coords;     #IMPLIED
  href        %URI;        #IMPLIED
  nohref      (nohref)     #IMPLIED
  alt         %Text;       #REQUIRED
  target      %FrameTarget; #IMPLIED
>

```

```

<!--===== Forms =====>

```

```

<!ELEMENT form %form.content;>  <!-- forms shouldn't be nested -->

```

```

<!ATTLIST form
  %attrs;
  action      %URI;        #REQUIRED
  method      (get|post)   "get"
  name        NMTOKEN      #IMPLIED
  enctype     %ContentType; "application/x-www-form-urlencoded"
  onsubmit    %Script;     #IMPLIED
  onreset     %Script;     #IMPLIED
  accept      %ContentTypes; #IMPLIED
  accept-charset %Charsets; #IMPLIED
  target      %FrameTarget; #IMPLIED
>

```

```

<!--
  Each label must not contain more than ONE field
  Label elements shouldn't be nested.
-->

```

```

<!ELEMENT label %Inline;>

```

```

<!ATTLIST label
  %attrs;
  for         IDREF        #IMPLIED
  accesskey   %Character;  #IMPLIED
  onfocus    %Script;     #IMPLIED
  onblur      %Script;     #IMPLIED
>

```

```

<!ENTITY % InputType
"(text | password | checkbox |
  radio | submit | reset |
  file | hidden | image | button)"
>

<!-- the name attribute is required for all but submit & reset -->

<!ELEMENT input EMPTY>      <!-- form control -->
<!ATTLIST input
  %attrs;
  %focus;
  type          %InputType;    "text"
  name          CDATA          #IMPLIED
  value         CDATA          #IMPLIED
  checked       (checked)      #IMPLIED
  disabled      (disabled)     #IMPLIED
  readonly      (readonly)     #IMPLIED
  size          CDATA          #IMPLIED
  maxlength     %Number;       #IMPLIED
  src           %URI;          #IMPLIED
  alt           CDATA          #IMPLIED
  usemap        %URI;          #IMPLIED
  onselect      %Script;       #IMPLIED
  onchange      %Script;       #IMPLIED
  accept        %ContentTypes; #IMPLIED
  align         %ImgAlign;     #IMPLIED
>

<!ELEMENT select (optgroup|option)+> <!-- option selector -->
<!ATTLIST select
  %attrs;
  name          CDATA          #IMPLIED
  size          %Number;       #IMPLIED
  multiple      (multiple)     #IMPLIED
  disabled      (disabled)     #IMPLIED
  tabindex      %Number;       #IMPLIED
  onfocus      %Script;       #IMPLIED
  onblur        %Script;       #IMPLIED
  onchange      %Script;       #IMPLIED
>

<!ELEMENT optgroup (option)+> <!-- option group -->
<!ATTLIST optgroup
  %attrs;
  disabled      (disabled)     #IMPLIED
  label         %Text;         #REQUIRED
>

<!ELEMENT option (#PCDATA)> <!-- selectable choice -->
<!ATTLIST option
  %attrs;
  selected      (selected)     #IMPLIED
  disabled      (disabled)     #IMPLIED
  label         %Text;         #IMPLIED
  value         CDATA          #IMPLIED
>

<!ELEMENT textarea (#PCDATA)> <!-- multi-line text field -->
<!ATTLIST textarea
  %attrs;
  %focus;
  name          CDATA          #IMPLIED
  rows          %Number;       #REQUIRED

```

```

    cols           %Number;          #REQUIRED
    disabled       (disabled)        #IMPLIED
    readonly       (readonly)        #IMPLIED
    onselect       %Script;          #IMPLIED
    onchange       %Script;          #IMPLIED
>

<!--
  The fieldset element is used to group form fields.
  Only one legend element should occur in the content
  and if present should only be preceded by whitespace.
-->
<!ELEMENT fieldset (#PCDATA | legend | %block; | form | %inline; | %misc;)*>
<!ATTLIST fieldset
  %attrs;
>

<!ENTITY % LAlign "(top|bottom|left|right)">

<!ELEMENT legend %Inline;>      <!-- fieldset label -->
<!ATTLIST legend
  %attrs;
  accesskey      %Character;      #IMPLIED
  align          %LAlign;         #IMPLIED
>

<!--
  Content is %Flow; excluding a, form, form controls, iframe
-->
<!ELEMENT button %button.content;> <!-- push button -->
<!ATTLIST button
  %attrs;
  %focus;
  name           CDATA            #IMPLIED
  value          CDATA            #IMPLIED
  type           (button|submit|reset) "submit"
  disabled       (disabled)       #IMPLIED
>

<!-- single-line text input control (DEPRECATED) -->
<!ELEMENT isindex EMPTY>
<!ATTLIST isindex
  %coreattrs;
  %i18n;
  prompt         %Text;          #IMPLIED
>

<!--===== Tables =====>

<!-- Derived from IETF HTML table standard, see [RFC1942] -->

<!--
  The border attribute sets the thickness of the frame around the
  table. The default units are screen pixels.

  The frame attribute specifies which parts of the frame around
  the table should be rendered. The values are not the same as
  CALS to avoid a name clash with the valign attribute.
-->
<!ENTITY % TFrame "(void|above|below|hsides|lhs|rhs|vsides|box|border)">

<!--
  The rules attribute defines which rules to draw between cells:

  If rules is absent then assume:

```



```

    "none" if border is absent or border="0" otherwise "all"
-->

<!ENTITY % TRules "(none | groups | rows | cols | all)">

<!-- horizontal placement of table relative to document -->
<!ENTITY % TAlign "(left|center|right)">

<!-- horizontal alignment attributes for cell contents

    char          alignment char, e.g. char=':'
    charoff        offset for alignment char
-->
<!ENTITY % cellhalign
    "align        (left|center|right|justify|char) #IMPLIED
     char          %Character;          #IMPLIED
     charoff       %Length;             #IMPLIED"
>

<!-- vertical alignment attributes for cell contents -->
<!ENTITY % cellvalign
    "valign        (top|middle|bottom|baseline) #IMPLIED"
>

<!ELEMENT table
    (caption?, (col*|colgroup*), thead?, tfoot?, (tbody+|tr+))>
<!ELEMENT caption %Inline;>
<!ELEMENT thead   (tr)+>
<!ELEMENT tfoot   (tr)+>
<!ELEMENT tbody  (tr)+>
<!ELEMENT colgroup (col)*>
<!ELEMENT col     EMPTY>
<!ELEMENT tr      (th|td)+>
<!ELEMENT th      %Flow;>
<!ELEMENT td      %Flow;>

<!ATTLIST table
    %attrs;
    summary      %Text;          #IMPLIED
    width        %Length;        #IMPLIED
    border       %Pixels;        #IMPLIED
    frame        %TFrame;        #IMPLIED
    rules        %TRules;        #IMPLIED
    cellspacing  %Length;        #IMPLIED
    cellpadding %Length;        #IMPLIED
    align        %TAlign;        #IMPLIED
    bgcolor      %Color;         #IMPLIED
>

<!ENTITY % CAlign "(top|bottom|left|right)">

<!ATTLIST caption
    %attrs;
    align        %CAlign;        #IMPLIED
>

<!--
colgroup groups a set of col elements. It allows you to group
several semantically related columns together.
-->
<!ATTLIST colgroup
    %attrs;
    span          %Number;        "1"
    width         %MultiLength;   #IMPLIED
    %cellhalign;

```

```
%cellvalign;
>
```

```
<!--
col elements define the alignment properties for cells in
one or more columns.
```

The width attribute specifies the width of the columns, e.g.

```
width=64          width in screen pixels
width=0.5*        relative width of 0.5
```

The span attribute causes the attributes of one col element to apply to more than one column.

```
-->
<!--ATTLIST col
%attrs;
span      %Number;      "1"
width     %MultiLength;  #IMPLIED
%cellhalign;
%cellvalign;
>
```

```
<!--
Use thead to duplicate headers when breaking table
across page boundaries, or for static headers when
tbody sections are rendered in scrolling panel.
```

Use tfoot to duplicate footers when breaking table across page boundaries, or for static footers when tbody sections are rendered in scrolling panel.

Use multiple tbody sections when rules are needed between groups of table rows.

```
-->
<!--ATTLIST thead
%attrs;
%cellhalign;
%cellvalign;
>
```

```
<!--ATTLIST tfoot
%attrs;
%cellhalign;
%cellvalign;
>
```

```
<!--ATTLIST tbody
%attrs;
%cellhalign;
%cellvalign;
>
```

```
<!--ATTLIST tr
%attrs;
%cellhalign;
%cellvalign;
bgcolor   %Color;      #IMPLIED
>
```

```
<!-- Scope is simpler than headers attribute for common tables -->
<!-- ENTITY % Scope "(row|col|rowgroup|colgroup)">
```

```
<!-- th is for headers, td for data and for cells acting as both -->
```

```

<!ATTLIST th
  %attrs;
  abbr      %Text;          #IMPLIED
  axis      CDATA           #IMPLIED
  headers    IDREFS         #IMPLIED
  scope      %Scope;        #IMPLIED
  rowspan    %Number;       "1"
  colspan    %Number;       "1"
  %cellhalign;
  %cellvalign;
  nowrap     (nowrap)       #IMPLIED
  bgcolor    %Color;         #IMPLIED
  width      %Length;        #IMPLIED
  height     %Length;        #IMPLIED
>

```

```

<!ATTLIST td
  %attrs;
  abbr      %Text;          #IMPLIED
  axis      CDATA           #IMPLIED
  headers    IDREFS         #IMPLIED
  scope      %Scope;        #IMPLIED
  rowspan    %Number;       "1"
  colspan    %Number;       "1"
  %cellhalign;
  %cellvalign;
  nowrap     (nowrap)       #IMPLIED
  bgcolor    %Color;         #IMPLIED
  width      %Length;        #IMPLIED
  height     %Length;        #IMPLIED
>

```