www

⚠ HyperText Markup Language (HTML)

HTML is a markup language for hypertext which is understood by all WWW clients. Here we discuss the HTML language, i.e. its syntax and semantics, including information on the history of the language, status of the standard, and development issues. VRML is discussed separately.

If what you are looking for is not here, it may be in

Information Provider Materials
> including A style guide for online hypertext, The HTTP protocol, The server guide clickable images, etc.

www-html
> A discussion list, with a hypertext archive (now searchable! Thanks EIT guys!)

Edited Collections
> - Connolly's HTML Design Notebook
> - Web Developer's section of the WWW Virtual Library, maintained by Alan Richmond.
> - HTML info in the Yahoo collection
> - HyperNews page on HTML maintained by Daniel LaLiberte at NCSA.

Automated Search Services
> Indexes such as lycos might help you discover a number of resources related to HTML.

HTML 2.0: In Final Review

The HTML standardization effort is an IETF working group. See: The HTML Working Group Charter including milestones and current internet drafts.

The html-wg mailing list hypertext archive is an up-to-date and nearly complete record of the activity of the group. (Minutes of IETF meetings are available elsewhere.)

The specification is still being refined, mainly a question of defining its expression in terms of SGML, and accurately describing current accepted practice.

HTML 2.0 spec
> May 6 Edition. Also: plain text, TeXinfo, postscript, gzip'd tar of all of the above, plus SGML source and TeXinfo intermediate version.
>
> Some folks have had trouble printing the above postscript file. Try this: another postscript rendition, from the TeXinfo above, by Kjetil Torgrim Homme `<kjetilho@ifi.uio.no>` (**out of date: it's the May 4 revision**)
>
> For folks that want to play around with the SGML source: It uses a document type by Gary Houston called Snafu. His GF: General SGML Formatter package includes this DTD and a few others, and some nifty tools to build TeXinfo, RTF, etc. from SGML documents.

HTML WG Materials
> Roy Fielding maintains this excellent collection.

HTML 2.0 Specification Review Materials a little out of date.
> The current HTML 2.0 DTD and other materials for review.

25 July 94 HTML-IG Toronto
26 July 94 WWW IETF BOF Toronto

HTML 3 and up: In Development

Features such as tables, figures, mathematical equations, and stylesheets are in development:

Internationalization
> Support for western european writing systems is widespread. Support for eastern european, CJK, and other writing systems, as well as mixed-langue documents, is in the works. Issues include character sets, encodings, bi-directional rendering, fonts, currency and date formats, ...
>
> See also: *"Character Set" Considered Harmful* A note about Japanese encoding switching character sets

File Upload
> A forms-based file upload proposal is available at Roy Fielding's archive

Tables
> Tables were first proposed in Dave Ragget's HTML+ document. The HTML 3.0 Draft refines the table proposal. At a recent IETF meeting, a group of tables experts met after the general HTML session, and they have signed up to write a concise document explaining a refinement of the HTML 3 table model to incorporate experience from working with CALS and other SGML table models.

> The transition strategy is outlined in

Navigational Idioms
> Link relationships, Banner, Table of Contents, Agregate Documents, ...

Structural Idioms
> ID, Class, Sections/Divisions, ranges/spans/spots, annotation/sytlesheet hooks

Forms, Image Maps, and Interactive Applications
> Client-side image maps, hooks into HotJava and other scripting systems.

Arena
> a testbed browser implementation available in prerelease. Implements much of the HTML 3.0 Draft. See also: draft HTML 3.0 DTD as of Dec 1 1994

Dave Raggett's presentation on HTML+ from WWW'94 in the spring

A HTML+ specification in hypertext,
> slightly out of date but giving a good idea of the features. Ed: Dave Raggett;

Style sheets

HTML 1.0: Historical

This is the level mandatory for all WWW clients. Level-1 is basically the HTML of the initial WWW clients, plus images. The level 1 spec is relatively old, so a better specification is to take the level 1 features from level 2, above. About level-1 there is:

```
Hypertext Markup Language (HTML)        Tim Berners-Lee, CERN
Internet Draft                       Daniel Connolly, Atrium
IIIR Working Group                                June 1993
```

- online version for browsing
- hardcopy version in plain text and postscript
- 19 Nov 93 WWW-TEI,Cork
- Note on constraints of original level1