HTML for Word 2.0

Description

"HTML for Word 2.0" is software that creates a structured document editing environment for Word 2.0. The aim was to create a simple user interface, preserving the Word environment as much as possible. "HTML for Word 2.0" is an aid to create document instances that are compatible with ISO 8879:1986 (SGML, the Standard Generalized Markup Language; for an introduction, see "Practical SGML", by Eric van Herwijnen, Kluwer Academic Publishers, Boston 1994, ISBN 0-7923-9434-8; or "The SGML Tutorial" for Windows, by Eric van Herwijnen, Electronic Book Technologies, Providence 1993, Tel. 401-421-9550). Enough SGML functions have been implemented to ensure the creation of correct HTML instances.

This software is freeware, you use it entirely at your own risk. It is not impossible that bugs exist. NICE technologies decline any responsibility in case of any damage resulting from the use of its software. This software is not complete. It is an extended prototype of the production version which will be based on Word 6. Performance of most functions will be greatly enhanced in the production version.

The macros provided with this package only work with with Word 2.0(a,b,c); unexpected results may occur with any other version of Word. Although this software has been designed to be compatible with SGML, and therefore does not depend on any particular DTD, you should not attempt to run it with any DTD other than the HTML DTD supplied.

Future direction

Enhancements for the production version, "SGML for Word 6.0", include:

- improved user interface
- improved performance
- automatic formatting applying styles based on the DTD
- more validated DTDs (HTMLPLUS)

Future directions:

- automated markup based on word styles
- automatic translation of symbols to entity references
- execution of external programs by double clicking on tags

To order "SGML for Word 6.0", fill in the order form included with this package (order.doc).

Installation

The following files are part of the "HTML for Word 2.0" package:

SGMLP.DLL	- the NICE SGML parser
ESUP.DLL	- an interface between Word basic and SGMLP
TAGWIZ.EXE	- the "Tag Wizard", a visual basic interface to SGMLP
TAGWIZ.DOT	- a collection of Word basic macros to drive the "Tag Wizard"
NORMAL.DOT template	- the default normal.dot file plus macro to associate the tagwiz.dot
HTML.INI	- contains the description of the HTML tags
SGMLWRKS.INI	- points the parser to the HTML DTD
HTML.DTD	- the standard HTML DTD as currently used by W3
ORDER.DOC	- and order form for "SGML for Word 6.0"
README.DOC	- this file
N3000.DOC	- a sample HTML file from the Web

To install "HTML for Word 2.0" from a diskette in drive a:, proceed as follows:

1. Copy your existing copy of NORMAL.DOT to NORMAL.OLD.
2. Assuming your Word 2.0 directory is c:\winword2, copy a:*.dot c:\winword2
3. Assuming your Windows directory is c:\windows, copy a:*.dll c:\windows, copy a:*.ini c:\windows, copy a:\tagwiz.exe c:\windows.
4. Copy a:\html.dtd c:\ (or modify the file sgmlwrks.ini to point elsewhere).
5. Copy N3000.DOC to c:\

User's Guide

Startup
Start up Word 2.0 as usual. The normal.dot template provided with "HTML for Word 2.0" modifies the standard toolbar and adds a button marked "H" (HTML). Open a document of your choice, or start a new document. As an example of an existing HTML document, open N3000.DOC.

To associate the "HTML for Word 2.0" template to your document, click on the button marked "H" in the toolbar. For documents that do not require SGML, Word will continue to work normally.

The result of associating the "HTML for Word 2.0" template is the addition of three new buttons to the toolbar, marked "P" (parse), "I" (insert start-tag) and "E" (insert end-tag).

Parsing
The button marked "P" (parse) will read an input (text) file and scan it for tags, and check their correctness. In doing so, the tags will be converted to boldfaced, red, Arial and 8 point characters. This operation can be executed at any time during creation or modification of a document, but since it is slow, it should not be done too frequently. Parsing can be very slow for documents with a large amount of tags. The parse function is identical to the command "import document" under the TagWizard menu.

Insert start-tag
The button marked "I" (insert start-tag) will check the correctness of all tags encountered up to the insertion point and propose a menu (the "Tag Wizard" menu) containing a list of the tags that are contextually allowed at that point in the document. The first time this function is executed, a message "Loading C:\html.dtd" will appear; depending on the memory of your machine, this message may re-appear from time to time.

The "Tag Wizard" menu provides information about whether tags are required, or whether text is allowed. Attributes can be added by double-clicking. First select the tag you require by clicking on it, then click on "insert start"(to insert a start-tag) or "insert end" (to insert an end-tag).

Insert end-tag
The button marked "E" (insert end-tag) is a quick way to add the end tag of the element that is currently open.

Editing single tags
Under the Edit menu, a command "single tag" has been added to permit editing tags. This will change the tag to blue and allow you to edit it by hand. When you have finished editing, choose "import single tag" under the TagWizard menu. The validity of the change will only be verified next time you instert a tag, or you import (parse) the document. Despite the fact that you appear to be able to edit the tags when they are coloured red, the changes will not take effect.

Hiding/displaying tags
Under the View menu, the command "without tags" will hide the tags from display. You can not edit the text of your document in this state, but you can apply styles and do any WYSIWYG formatting that you may require, including printing your document. Choose "with tags" to display the tags again.

Undo import
This undoes the import action. Use this function to get back the original document, where tags appear

as ASCII strings without meaning to the parser, or when you have finished your editing session and you want to save your SGML document.

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