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Main.DoxygenToDocBook

Converting Doxygen's xml to DocBook

Platform: Windows, tested on: XP

I founded no XSLT stylesheet for converting Doxygen's xml directly to DocBook. This can be done with BoostBook (http://www.boost.org/doc/html/boostbook.html) which provides XSLT stylesheets for converting from BoostBook format to DocBook. And it also has stylesheets for converting from Doxygen xml to BoostBook.

Downloading the necessary software

xsltproc

- Go to http://www.zlatkovic.com/pub/libxml where compiled binaries for Windows are placed. Download the following files:
iconv,libxml2,libxslt,zlib. Another way is to download sources from ftp://xmlsoft.org/libxslt/ and compile.

- Unpack all of them to the same directory e.g. c:\xsltproc and update the system path to contain c:\xsltproc\bin

BoostBook

Download the Boost library from http://www.boost.org/ (Download -> boost). The only part needed is folder tools/boostbook/xsl from the zip archive. Unpack it somewhere, e.g. to c:\boostxsl.

Generating doxygen xml

Now, generate the xml from your sources. Let's assume this happened to the directory c:\MyApp\Doc\xml. We combine the generated xml files to the one using combine.xslt:

```
xsltproc combine.xslt index.xml >all_in_one.xml
```

Generating BoostBook and DocBook

By this command, we get BoostBook format:
```
xsltproc c:/boostxsl/doxygen/doxygen2boostbook.xsl all_in_one.xml > boost.xml
```
And the DocBook we get this way:
```
xsltproc c:/boostxsl/docbook.xsl boost.xml >docbook.xml
```

Generating HTML(and others) from DocBook

It is possible to generate HTML directly from Doxygen, with less effort and better results. But generating it on your own is flexible.

Download http://www.docbook.org/xml/4.2/docbook-xml-4.2.zip where catalogs are stored. Unpack to c:\docbook-xml for example. Download XSL stylesheets from http://sourceforge.net/project/showfiles.php?group_id=21935. Unpack to c:\docbook-xsl. You have to add the *SGML_CATALOG_FILES* variable to contain C:\docbook-xml\catalog.xml. Now the generation:
```
xsltproc c:/docbook-xsl/xhtml/chunk.xml docbook.xml
```
In the current directory, a html file for each class in your App will be generated. Unhapilly, the generated html files have no css stylesheet and do'nt look pretty. Note: for generating other formats(htmlhelp e.g.) only change path to xsl file in the last command: c:/docbook-xsl/htmlhelp/htmlhelp.xsl

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