
uTidylib Documentation

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The Tidy wrapper. I am the main interface to TidyLib. This package supports processing HTML with Tidy, with all the options that the tidy command line supports.

For more information on the tidy options, see the reference. These options can be given as keyword arguments to `parse` and `parseString`, by changing dashes (-) to underscores(_).

For example:

```
>>> import tidy
>>> from __future__ import print_function
>>> print(tidy.parseString(
...     '<Html>Hello Tidy!',
...     output_xhtml=1, add_xml_decl=1, indent=1, tidy_mark=0,
...     doctype='transitional', char_encoding='ascii'
... ))
<?xml version="1.0" encoding="us-ascii"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title></title>
  </head>
  <body>
    Hello Tidy!
  </body>
</html>
```

For options like `newline` and `output_encoding`, which must be set to one of a fixed number of choices, you can provide either the numeric or string version of the choice; so both `tidy.parseString('<HTML>foo</html>', newline=2)` and `tidy.parseString('<HTML>foo</html>', newline='CR')` do the same thing.

There are no plans to support other features of TidyLib, such as document-tree traversal, since Python has several quality DOM implementations. (The author uses Twisted's implementation, `twisted.web.microdom`).

`tidy.parse` (*self*, *filename*, ****kwargs**)

Parameters

- **kwargs** – named options to pass to TidyLib for processing the input file.
- **filename** – the name of a file to process

Returns a *Document* object

Open and process *filename* as an HTML file, returning a processed document object.

`tidy.parseString` (*self*, *text*, ****kwargs**)

Parameters

- **kwargs** – named options to pass to TidyLib for processing the input file.
- **text** – the string to parse

Returns a *Document* object

Use *text* as an HTML file, and process it, returning a document object.

class `tidy.Document`

Document object as returned by `parseString()` or `parse()`.

errors

Returns list of errors as a list of *ReportItem*.

get_errors ()

Returns list of errors as a list of *ReportItem*.

write (*stream*)

Parameters *stream* – Writable file like object.

Writes document to the stream.

class *tidy.ReportItem* (*err*)

Error report item as returned by tidy.

Attribute *severity* W, E or C indicating severity

Attribute *line* Line where error was fired (can be None)

Attribute *col* Column where error was fired (can be None)

Attribute *message* Error message itself

Attribute *err* Whole error message as returned by tidy

exception *tidy.TidyLibError*

Generic Tidy exception.

exception *tidy.InvalidOptionError*

Exception for invalid option.

exception *tidy.OptionArgError*

Exception for invalid parameter.

Installing

To use uTidylib, you need to have HTML tidy library installed. Check <http://www.html-tidy.org/> for instructions how to obtain it.

Contributing

You are welcome to contribute on GitHub, we use it for source code management, issue tracking and patches submission, see <<https://github.com/nijel/utidylib>>.

Running testsuite

The testsuite can be executed using both `py.test` or `setuptools`, choose whatever approach you prefer:

```
./setup.py test  
py.test tidy
```

Building documentation

To build the doc, just run:

```
make -C docs html
```

This requires that you have Sphinx installed.

The API documentation will be built in the `docs/_build/html/` directory.

License

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