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# uTidylib Documentation

*Release 1.0*

**uTidylib contributors**

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# CONTENTS

|          |                               |           |
|----------|-------------------------------|-----------|
| <b>1</b> | <b>Installing</b>             | <b>3</b>  |
| <b>2</b> | <b>Contributing</b>           | <b>5</b>  |
| <b>3</b> | <b>Running testsuite</b>      | <b>7</b>  |
| <b>4</b> | <b>Building documentation</b> | <b>9</b>  |
| <b>5</b> | <b>License</b>                | <b>11</b> |
| <b>6</b> | <b>Changes</b>                | <b>13</b> |
| 6.1      | 1.0 . . . . .                 | 13        |
| 6.2      | 0.10 . . . . .                | 13        |
| 6.3      | 0.9 . . . . .                 | 13        |
| 6.4      | 0.8 . . . . .                 | 13        |
| 6.5      | 0.7 . . . . .                 | 14        |
| 6.6      | 0.6 . . . . .                 | 14        |
| 6.7      | 0.5 . . . . .                 | 14        |
| 6.8      | 0.4 . . . . .                 | 14        |
| 6.9      | 0.3 . . . . .                 | 14        |
| <b>7</b> | <b>History</b>                | <b>15</b> |
| <b>8</b> | <b>Indices and tables</b>     | <b>17</b> |
|          | <b>Python Module Index</b>    | <b>19</b> |
|          | <b>Index</b>                  | <b>21</b> |



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'
... ))
<?xml version="1.0"?>
<!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**(*filename*: str, *\*\*kwargs*: *OPTION\_TYPE*) → *Document*

Open and process *filename* as an HTML file.

Returning a processed document object.

#### 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

**tidy.parseString**(*text*: bytes | str, *\*\*kwargs*: *OPTION\_TYPE*) → *Document*

Use *text* as an HTML file.

Returning a processed document object.

#### Parameters

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

**Returns**

a *Document* object

**class** tidy.**Document**(*options: OPTION\_DICT\_TYPE*)

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

**get\_errors()** → list[*ReportItem*]

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

**gettext()** → str

Unicode text for output returned by tidy.

**getvalue()** → bytes

Raw string as returned by tidy.

**write**(*stream: BinaryIO*) → None

**Parameters**

**stream** – Writable file like object.

Writes document to the stream.

**class** tidy.**ReportItem**(*err: str*)

Error report item as returned by tidy.

**col: int | None**

Column where error was fired (can be None)

**err: str**

Whole error message as returned by tidy

**full\_severity: str**

Full severity string

**line: int | None**

Line where error was fired (can be None)

**message: str**

Error message itself

**severity: str**

D, W, E or C indicating severity

**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.

Once you have installed the library, install uTidylib:

```
pip install uTidylib
```



## 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 pytest:

```
pytest 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

### The MIT License

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## CHANGES

### 6.1 1.0

### 6.2 0.10

- Dropped support for Python 3.7.
- Added support for Python 3.12.
- Added type hints.
- Improved documentation.
- Always call CleanAndRepair after parsing.
- Fixed handling char\_encoding argument.

### 6.3 0.9

- Dropped support for Python 3.6.
- Added support for Python 3.10 and 3.11.
- Compatibility with html-tidy 5.8.0.
- Added support for specifying library full path using TIDY\_LIBRARY\_FULL\_PATH.
- Added getTidyVersion to get libtidy version.

### 6.4 0.8

- Code cleanups.
- Fixed typo in 0.7 release notes.

## 6.5 0.7

- Dropped support for Python 2.

## 6.6 0.6

- First official release PyPI.

## 6.7 0.5

- Fixed compatibility with Debian patched libtidy5deb1.

## 6.8 0.4

- Compatibility with html-tidy 5.6.0.
- Added support for Python 3.

## 6.9 0.3

- Initial release under new maintainer.
- Incorporated Debian patches.
- Various compatibility fixes (eg. with 64-bit machines).
- Various code cleanups.
- New test suite.
- New documentation.
- Support for new HTML 5 tidy library.

## HISTORY

This is fork of the original uTidylib with permission with original author. Originally it incorporated patches from Debian and other distributions, now it also brings compatibility with recent html-tidy versions and works with Python 3.

The original source code is still available at <https://github.com/xdissent/utidylib/>.



## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`



## PYTHON MODULE INDEX

t

tidy, ??



## INDEX

### C

`col` (*tidy.ReportItem* attribute), 2

### D

`Document` (*class in tidy*), 2

### E

`err` (*tidy.ReportItem* attribute), 2

### F

`full_severity` (*tidy.ReportItem* attribute), 2

### G

`get_errors()` (*tidy.Document* method), 2

`gettext()` (*tidy.Document* method), 2

`getvalue()` (*tidy.Document* method), 2

### I

`InvalidOptionError`, 2

### L

`line` (*tidy.ReportItem* attribute), 2

### M

`message` (*tidy.ReportItem* attribute), 2

module  
    *tidy*, 1

### O

`OptionArgError`, 2

### P

`parse()` (*in module tidy*), 1

`parseString()` (*in module tidy*), 1

### R

`ReportItem` (*class in tidy*), 2

### S

`severity` (*tidy.ReportItem* attribute), 2

### T

`tidy`

    module, 1

`TidyLibError`, 2

### W

`write()` (*tidy.Document* method), 2