
Python library Template Documentation

Release 0.0.8

Derek Miller <derek@dmiller.me>

Dec 15, 2019

Contents

1	Install	3
2	Indices and tables	5
3	Site Map	7
3.1	API	7
3.2	Change Log	8
3.3	Contributing	10
	Python Module Index	13
	Index	15

Python library template project.

CHAPTER 1

Install

```
pip install python-template
```

Or to manually install, execute the following commands:

```
git clone https://github.com/derek-miller/python-template.git
cd python-template
python setup.py install
```

CHAPTER 2

Indices and tables

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

3.1 API

3.1.1 python_template

Python library template project.

```
python_template.__author__ = 'Derek Miller'  
    Author
```

```
python_template.__author_email__ = 'derek@dmiller.me'  
    Author Email
```

```
python_template.__license__ = 'BSD'  
    License
```

```
python_template.__maintainer__ = 'Derek Miller'  
    Maintainer
```

```
python_template.__maintainer_email__ = 'derek@dmiller.me'  
    Maintainer Email
```

```
python_template.__pkg_name__ = 'python_template'  
    Package Name
```

```
python_template.__project_description__ = 'Python library template project.'  
    Project Description
```

```
python_template.__project_name__ = 'Python library Template'  
    Project Name
```

```
python_template.__project_url__ = 'https://github.com/derek-miller/python-template'  
    Project URL
```

```
python_template.__release_date__ = '12/14/2019'  
    Release Date
```

```
python_template.__version__ = '0.0.8'  
Version
```

3.2 Change Log

The format is based on [Keep a Changelog](#) and this project adheres to [Semantic Versioning](#).

3.2.1 [Unreleased]

3.2.2 [0.0.8] - 12-14-2019

Added

- Added support for python 3.8

Removed

- Removed support for python 3.4 and 3.5
- Removed explicit requirements files in favor of putting requirements in *setup.py*

3.2.3 [0.0.7] - 01-31-2019

Added

- *make fmt* command for formatting source code

Removed

- Removed support for python 2

3.2.4 [0.0.6] - 07-28-2018

Added

- Added dedicated CONTRIBUTING and CHANGELOG files
- Added pytest-mock to test requirements

Changed

- Moved docs source to source folder
- Changed docs build to include the README, CHANGELOG, and CONTRIBUTING files
- Converted README to reStructuredText

3.2.5 [0.0.5] - 01-14-2017

Added

- Added python 3.6 to the travis build

Changed

- Switched to pycodestyle in place of pep8

Removed

- Removed unsafe usage of the project_dir variable in the Makefile

3.2.6 [0.0.4] - 09-17-2016

Changed

- Changed the conda environment variable to the correct one containing only the project name

Removed

- Removed the generated api.rst from version control

Fixed

- Fixed usage of the travis build number in the Makefile

3.2.7 [0.0.3] - 07-07-2016

Changed

- Unpinned pip now that pip-compile works with 8.1.2

3.2.8 [0.0.2] - 06-12-2016

Removed

- Removed temporary requirement in requirements/install-py2.txt

Fixed

- Fixed Makefile install target so it rebuilds the compiled requirements everytime it is run.

3.2.9 [0.0.1] - 05-30-2016

Added

- Initial release

3.3 Contributing

3.3.1 Installing requirements into active virtualenv

```
make init      # installs/upgrades setuptools, pip, pip-tools, etc.
make install   # installs project requirements
```

3.3.2 Testing

```
make lint          # only lint
make test          # run all tests with coverage
make test-unit     # run all unit tests
make test-integration # run all integration tests
```

3.3.3 Building

```
make build # builds a wheel and outputs it to the `dist` directory
```

3.3.4 Building Docs

```
make docs # outputs sphinx html docs to docs/build/html
```

3.3.5 Makefile Targets

Makefile commands will only work inside a `virtualenv`

`make init`

Initializes the `virtualenv` with an up-to-date version of `setuptools`, `pip`, and `pip-tools`.

`make install`

Runs `pip-compile` with `requirements.txt` then runs `pip-sync` with the compiled requirements file `.cache/requirements.txt`. This makes sure you are running with the latest release of dependencies, assuming you haven't pinned them in the `requirements.txt` file.

make fmt

Runs `black` and `isort` on all source in the project directory.

make lint

Runs `pylint` and `pycodestyle` on all packages in the project directory.

make test

Runs `py.test` tests located inside the `tests/` folder and any test files nested in a package in the project directory. Coverage is only calculated in this target.

make test-unit

Same as `make test` excluding coverage and tests marked as `integration`.

make test-integration

Same as `make test` excluding coverage and tests **not** marked as `integration`.

make build

Builds a wheel using `setuptools' bdist_wheel` command. Locally builds are tagged with `dev` (ex `0.1.0+dev`). In the `travis` build environment the wheel is tagged with the job number (ex. `0.1.0+build1.1`).

make clean

Cleans the project of compiled python files and files generated by the above commands such as `build` and `dist` directories.

p

`python_template`, 7

Symbols

`__author__` (in module `python_template`), 7
`__author_email__` (in module `python_template`), 7
`__license__` (in module `python_template`), 7
`__maintainer__` (in module `python_template`), 7
`__maintainer_email__` (in module `python_template`), 7
`__pkg_name__` (in module `python_template`), 7
`__project_description__` (in module `python_template`), 7
`__project_name__` (in module `python_template`), 7
`__project_url__` (in module `python_template`), 7
`__release_date__` (in module `python_template`), 7
`__version__` (in module `python_template`), 7

P

`python_template` (module), 7