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# **MarkWiki Documentation**

*Release 1.6*

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*A simple wiki using Markdown*

This documentation is for developer details of MarkWiki. The user documentation is available at [pythonhosted.org](http://pythonhosted.org).



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## Contributing

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MarkWiki should be easy to contribute to. If anything is unclear about how to contribute, please submit an issue on GitHub so that we can fix it!

### 1.1 How

Fork MarkWiki on GitHub and submit a pull request when you're ready.

### 1.2 Guidelines

1. Your code should follow PEP 8 style. Please run it through `pep8` to check.
2. Please try to conform with any other conventions seen in the code for consistency (e.g., using `'''` for docstrings instead of `"""`).
3. Docstrings and comments should be grammatical English sentences, including punctuation.
4. Import order should follow PEP 8 style *and* be alphabetized within each group.
5. Make sure your change works against master! (Bonus points for unit tests.)



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## Dependencies

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This page documents information about the dependencies used in MarkWiki.

### 2.1 setup.py

MarkWiki includes some `setup_requires` dependencies. These are needed to execute the test suite via `python setup.py nosetests`.

The dependencies included in `install_requires` are the *logical* dependencies that MarkWiki requires. This list captures what is needed to run MarkWiki, but not which specific versions.

### 2.2 requirements.txt

The list of dependencies in `requirements.txt` are the actual versions that MarkWiki was tested with. This list captures extra information about dependencies of dependencies as well.

### 2.3 Rationale

Each dependency serves a certain purpose. The following describes why each tool in `setup.py` was selected.

- **argparse** - Used to provide the argument parsing module for any installation of MarkWiki using Python 2.6.
- **Flask** - MarkWiki is a web application built on top of the Flask web application framework. Flask is core to the operation of MarkWiki.
- **Flask-Login** - This Flask extension creates the capability to handle logged in users.
- **Flask-WTF** - This Flask extension is used for creating HTML forms via WTForms.
- **Frozen-Flask** - The ability to generate a static version of a MarkWiki comes from this Flask extension.
- **Markdown** - All Markdown pages are transformed into HTML from this dependency.
- **Pygments** - Code syntax highlighting is provided by Pygments.
- **Whoosh** - This is the search tool used by MarkWiki.



### 3.1 Version 1.6, Released February 7, 2016

- Integrate with Git to provide version history for wiki pages.
- Add the option to re-index the search engine from the command line or the administrator interface.

### 3.2 Version 1.5, Released May 8, 2015

- Update Bootstrap to 3.3.4.
- Remove rendering artifact that appeared in Chrome.

### 3.3 Version 1.4, Released April 16, 2015

- Officially support Python 2.6, 2.7, 3.3, and 3.4.
- Integrate Mozilla Persona for user authentication.

### 3.4 Version 1.3, Released December 2013

- Users can search MarkWiki to find wiki pages related to their search.
- MarkWiki allows self-registration for new users instead of admin only registration.

### 3.5 Version 1.2, Released November 2013

- MarkWiki has login support. Users can register and log in to make updates.
- The user interface was updated significantly.
- MarkWiki is now more mobile friendly.
- Theme designers and other brave souls can completely customize the user interface.

### 3.6 Version 1.1, Released June 2013

- Users can explore the entire wiki via breadcrumbs and section pages.
- Added the ability to freeze a wiki
- Included the table of contents feature

### 3.7 Version 1.0, Released May 2013

- Initial release of MarkWiki
- Support for basic wiki page editing and code highlighting.