
greencard Documentation

Release 0.2.5

Taylor "Nekroze" Lawson

August 09, 2013

CONTENTS

1	greencard	3
1.1	Documentation	3
1.2	Quickstart	3
1.3	Features	3
2	Installation	5
3	Usage	7
4	Types of Contributions	9
4.1	Report Bugs	9
4.2	Fix Bugs	9
4.3	Implement Features	9
4.4	Write Documentation	9
4.5	Submit Feedback	9
5	Get Started!	11
6	Pull Request Guidelines	13
7	Credits	15
7.1	Development Lead	15
7.2	Contributors	15
8	History	17
8.1	0.2.4	17
8.2	0.1.0	17
9	Indices and tables	19

Contents:

GREENCARD

1.1 Documentation

The full documentation is at <http://greencard.rtfid.org>.

1.2 Quickstart

Install greencard:

```
pip install greencard
```

Then you can use the `greencard` command line test runner to discover and run card tests defined as all `.py` files in the test directory from where the runner is executed. For more information see the usage documentation page.

1.3 Features

- A custom testing framework and test runner designed specifically for cards.

INSTALLATION

At the command line use either:

```
$ easy_install greencard  
$ pip install greencard
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv greencard  
$ pip install greencard
```


USAGE

In order to use greencard we first need to create our tests.

In a directory called tests every .py file will be loaded by the greencard test runner. For example to check for a valid code we could have the file tests/code.py might look like this:

```
import greencard
```

```
@greencard.card
def validate_code(card):
    assert 0 < card.code <= 1000
```

Then by calling the following:

```
$ greencard mylibrary.lbr
```

greencard will look in the tests directory and load the validate_code test that will be called on each card in the library to ensure that all cards have a code inbetween 1 and 1000.

There is also a way to provide library wide tests that are run only once by doing the same as above but using @greencard.library decorator and having a library argument.

[6~===== Contributing =====

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

You can contribute in many ways:

TYPES OF CONTRIBUTIONS

4.1 Report Bugs

Report bugs at <https://github.com/Nekroze/greencard/issues>.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

4.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” is open to whoever wants to implement it.

4.3 Implement Features

Look through the GitHub issues for features. Anything tagged with “feature” is open to whoever wants to implement it.

4.4 Write Documentation

greencard could always use more documentation, whether as part of the official greencard docs, in docstrings, or even on the web in blog posts, articles, and such.

4.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/Nekroze/greencard/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.

- Remember that this is a volunteer-driven project, and that contributions are welcome :)

GET STARTED!

Ready to contribute? Here's how to set up *greencard* for local development.

1. Fork the *greencard* repo on GitHub.

2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/greencard.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv greencard
$ cd greencard/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 greencard tests
$ python setup.py test
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

PULL REQUEST GUIDELINES

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.7, and 3.3, and for PyPy. Check https://travis-ci.org/Nekroze/greencard/pull_requests and make sure that the tests pass for all supported Python versions.

CREDITS

7.1 Development Lead

- Taylor “Nekroze” Lawson <nekroze@eternilnetwork.com>

7.2 Contributors

None yet. Why not be the first?

HISTORY

8.1 0.2.4

- Versions increasing rapidly
- Decorator based test for each card and single library tests

8.2 0.1.0

- First release on PyPI.

INDICES AND TABLES

- *genindex*
- *modindex*
- *search*