MicroBar

Release 0.3.1

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CHAPTER 1

Overview

Low-pressure bar graphs for Python.

1.1 Features

- Safe: Object is thread-safe and parameters are type-checked.
- Friendly: Raises human-readable errors.
- Tested: Package has good test coverage.
- Customizable: Constructor takes custom bar characters.
- Free software: Published under a OSI-compatible license.
- Compatible: Runs on multiple versions of CPython and PyPy.
- Convenient: Package installable from PyPI via pip.

1.2 Status

Docs	
Requirements	
Tests	
Metrics	
Package	
Compatiblity	

1.3 Installation

```
pip install microbar
```

1.4 Documentation

https://microbar.readthedocs.io/en/latest/

1.5 Testing

To run the all tests run:

```
tox
```

Note, to combine the coverage data from all the tox environments run:

Windows	`set PYTEST_ADDOPTS=--cov-append tox`
Other	`PYTEST_ADDOPTS=--cov-append tox`

1.6 Releasing

```
bumpversion --new-version 0.2.0 minor
python setup.py sdist bdist_wheel upload
```

1.7 See Also

canassa/minibar for a vertical (progress) bar.

CHAPTER 2

Installation

At the command line:

```
pip install microbar
```

CHAPTER 3

Usage

To use MicroBar in a project:

```
import microbar
```

CHAPTER 4

Reference

4.1 microbar

CHAPTER 5

Contributing

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

5.1 Bug reports

When 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.

5.2 Documentation improvements

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

5.3 Feature requests and feedback

The best way to send feedback is to file an issue at https://github.com/bengt/microbar/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 code contributions are welcome :)

5.4 Development

To set up *microbar* for local development:

1. Fork microbar (look for the "Fork" button).
2. Clone your fork locally:

```
git clone git@github.com:your_name_here/microbar.git
```

3. Create a branch for local development:

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

   Now you can make your changes locally.

4. When you're done making changes, run all the checks, doc builder and spell checker with tox one command:

```
tox
```

5. 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
```

6. Submit a pull request through the GitHub website.

5.4.1 Pull Request Guidelines

If you need some code review or feedback while you're developing the code just make the pull request.

For merging, you should:

1. Include passing tests (run `tox`) [1].
2. Update documentation when there's new API, functionality etc.
3. Add a note to `CHANGELOG.rst` about the changes.
4. Add yourself to `AUTHORS.rst`.

5.4.2 Tips

To run a subset of tests:

```
tox -e envname -- py.test -k test_myfeature
```

To run all the test environments in *parallel* (you need to `pip install detox`):

```
detox
```

[1] If you don't have all the necessary python versions available locally you can rely on Travis - it will run the tests for each change you add in the pull request.

It will be slower though ...

CHAPTER 6

Authors

- Bengt Albert Lüers - http://www.bengtlüers.de

CHAPTER 7

Changelog

7.1 0.1.0 (2016-09-02)

- First release on PyPI.

7.2 0.2.0 (2016-09-02)

- Integrations of CI services.

7.3 0.3.0 (2016-09-03)

- First usable version, full test suite.

CHAPTER 8

Indices and tables

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