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# **PySimple Documentation**

*Release 0.1.9*

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A client library for Simple's online banking site.

- Free software: GPLv3
- Documentation: <https://pysimple.readthedocs.org>



- Basic account balance and goal support

## 1.1 Contents:

### 1.1.1 Installation

At the command line either via `easy_install` or `pip`:

```
$ easy_install pysimple
$ pip install pysimple
```

Or, if you have `virtualenvwrapper` installed:

```
$ mkvirtualenv pysimple
$ pip install pysimple
```

### 1.1.2 Usage

To use PySimple in a project:

```
import pysimple
```

### 1.1.3 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

##### Report Bugs

Report bugs at <https://github.com/TFenby/pysimple/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.

### Fix Bugs

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

### Implement Features

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

### Write Documentation

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

### Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/TFenby/pysimple/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 *pysimple* for local development.

1. Fork the *pysimple* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/pysimple.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, check that your changes pass style and unit tests, including testing other Python versions with tox:

```
$ tox
```

To get tox, just pip install it.

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.

## 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 2.6, 2.7, and 3.3, and for PyPy. Check <https://travis-ci.org/TFenby/pysimple> under pull requests for active pull requests or run the `tox` command and make sure that the tests pass for all supported Python versions.

## Tips

To run a subset of tests:

```
$ py.test test/test_pysimple.py
```

## 1.1.4 Credits

### Development Lead

- Tyler Fenby <[tylerfenby@gmail.com](mailto:tylerfenby@gmail.com)>

### Contributors

None yet. Why not be the first?

## 1.1.5 History

### 1.1.6 0.1.0 2014/12/13

- First release on PyPI.
- Initial working release

## 1.2 Modules:

### 1.2.1 pysimple

#### pysimple package

#### Submodules

#### pysimple.account module

**class** `pysimple.account.Account` (*username, password*)  
Bases: `object`

A Simple account  
Main entrypoint for the library

**all\_goals** ()  
Returns all (active and archived) goals, raw from the API

**balances** ()

**static dollars\_to\_mills** (*dollars*)  
Convert dollars to mills, which Simple uses

**Parameters** `dollars` (*int, float*) – Amount to convert

**Returns** Input amount, in mills

**Return type** `int`

**goals** ()  
Return a list of active goals in a dict w/ their names as the key

**login** ()  
Log in to the bank via the API  
Must be done before any other commands will work

**Raises exceptions.LoginError** On any error in the request

**static mills\_to\_dollars** (*mills*)  
Convert mills back to dollars

**Parameters** `mills` (*int*) – Amount to convert

**Returns** Input amount, in mills

**Return type** `float`

**transactions** ()

**transfer\_between\_goals** (*from\_id, to\_id, amount*)  
Transfer between two goals

**Parameters**

- `from_id` – ID of the source goal
- `to_id` – ID of the dest goal
- `amount` – Amount, in dollars, to transfer

**Raises requests.exceptions.RequestException** On any error

**transfer\_between\_sts** (*to\_id, amount*)

Transfer between Safe-to-Spend and a goal

A positive *amount* will transfer from StS to the goal, and a negative amount will do the opposite.

**Parameters** **amount** (*int, float*) – Amount, in dollars, to transfer

**Raises** **requests.exceptions.RequestException** On any error

#### **pysimple.exceptions module**

**exception** `pysimple.exceptions.LoginError`

Bases: `exceptions.Exception`

Login failed

**exception** `pysimple.exceptions.PySimpleException`

Bases: `exceptions.Exception`

Base of all PySimple Exceptions

#### **pysimple.version module**

#### **Module contents**

## **1.3 Feedback**

If you have any suggestions or questions about **PySimple** feel free to email me at [tylerfenby@gmail.com](mailto:tylerfenby@gmail.com).

If you encounter any errors or problems with **PySimple**, please let me know! Open an Issue at the GitHub <https://github.com/TFenby/pysimple> main repository.



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