Redirect Streams Documentation

Release 0.1a

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Description

This project provides Python context managers to help redirect multiple forms of output into a buffer (capturing the output). This documentation provides information on how to install, use, and contribute to this project.

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1.1 Project Roadmap

This project is currently under development and is not ready to be used. This should change in the next few versions:

- Version 0.1: Project Scaffolding
- Version 0.2: Decorators working in Python 3.4
- Version 0.3: Documentation for Project
- Version 0.4: Support for Python 2.6, 2.7
- Version 0.5: Support for Python 3.3, 3.4 (And maybe 3.2)
- Version 0.6: Solicit Help :D

1.2 Installation

The project may be installed via pip:

```
$ pip install redirect-streams
```

To install the development version:

```
$ pip install git+git://github.com/jambonrose/redirect_streams
```

1.3 Usage

1.3.1 Basic Usage

The most common use of this project is to redirect `stdout`.

```python
from io import BytesIO, SEEK_SET, TextIOWrapper
from os import system
from sys import stdout

from redirect_streams import redirect_stdout

with TextIOWrapper(BytesIO(), stdout.encoding) as buffer:
    with redirect_stdout(buffer):
        print('this will be saved in the buffer')
        # code below won't work with stdlib's redirect_stdout
        system('this will be saved in the buffer')
    buffer.seek(SEEK_SET)
    saved = buffer.read()
print(saved)
```

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