pytest-subprocess

Release 0.10.0

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CONTENTS:

PYTEST PLUGIN FOR TESTING SUBPROCESSES

Pytest Plugin for running and testing subprocesses.

Code: https://github.com/boromir674/pytest-subprocess
Docs: https://subprocess-pytest-plugin.readthedocs.io/en/master/
PyPI: https://pypi.org/project/pytest-run-subprocess/
CI: https://github.com/boromir674/pytest-subprocess/actions/

CHAPTER

ONE

FEATURES

1. **pytest_run_subprocess** *python package*
    a. TODO Document a **Great Feature**
    b. TODO Document another **Nice Feature**
2. Tested against multiple *platforms* and *python* versions

1.1 Development

Here are some useful notes related to doing development on this project.

1. **Test Suite**, using pytest, located in *tests* dir
2. **Parallel Execution** of Unit Tests, on multiple cpu's
3. **Documentation Pages**, hosted on *readthedocs* server, located in *docs* dir
4. **Automation**, using tox, driven by single *tox.ini* file
    a. **Code Coverage** measuring
    b. **Build Command**, using the build python package
    c. **Pypi Deploy Command**, supporting upload to both pypi.org and test.pypi.org servers
    d. **Type Check Command**, using mypy
    e. **Lint** *Check* and *Apply* commands, using isort and black
5. **CI Pipeline**, running on Github Actions, defined in *.github/*
    a. **Job Matrix**, spanning different *platform*'s and *python version*'s
        1. Platforms: *ubuntu-latest*, *macos-latest*
        2. Python Interpreters: *3.6*, *3.7*, *3.8*, *3.9*, *3.10*
    b. **Parallel Job** execution, generated from the *matrix*, that runs the *Test Suite*

CHAPTER

TWO

PREREQUISITES

You need to have *Python* installed.

CHAPTER

THREE

QUICKSTART

Using *pip* is the approved way for installing *pytest_run_subprocess*.

```
python3 -m pip install pytest_run_subprocess
```

TODO Document a use case

CHAPTER

FOUR

LICENSE

- GNU Affero General Public License v3.0

CHAPTER

FIVE

LICENSE

- Free software: GNU Affero General Public License v3.0

5.1 Introduction

This is **Pytest Plugin for Testing Subprocesses**, a *Python Package* desinged to ...

Goal of this project is to TODO Document
Additionally, TODO Document

This documentation aims to help people understand what are the package's features and to demonstrate how to leverage them for their use cases.
It also presents the overall package design.

5.2 Why this Package?

So, why would one opt for this Package?

It is **easy** to *install* (using pip) and intuitive to *use*.

Pytest Plugin for Testing Subprocesses features TODO Document

Well-tested against multiple Python Interpreter versions (3.6 - 3.10), tested on both *Linux* (Ubuntu) and *Darwin* (Macos) platforms.

Tests trigger automatically on **CI**. The package's releases follow **Semantic Versioning**.

5.3 Usage

5.3.1 Installation

pytest_run_subprocess is available on PyPI hence you can use *pip* to install it.

It is recommended to perform the installation in an isolated *python virtual environment* (env). You can create and activate an *env* using any tool of your preference (ie *virtualenv*, *venv*, *pyenv*).

Assuming you have 'activated' a *python virtual environment*:

```
python -m pip install pytest-subprocess
```

5.3.2 Simple Use Case

Common Use Case for the pytest_run_subprocess is to TODO Document

TODO Document

5.4 pytest_run_subprocess

5.4.1 pytest_run_subprocess package

Module contents

pytest_run_subprocess.**run_subprocess**()

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