biskotaki

Release 0.0.1

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BISKOTAKI

Project generated using https://github.com/boromir674/cookiecutter-python-package

Code: https://github.com/boromir674/biskotaki
Docs: https://biskotaki.readthedocs.io/en/main/
PyPI: https://pypi.org/project/biskotaki/
CI: https://github.com/boromir674/biskotaki/actions/

CHAPTER
ONE

FEATURES

1. **biskotaki** *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

Get started:

```
python3 -m pip install --user 'tox<4'
```

OR: **`pipx install tox`**
Then, to see all out-of-the-box available *tox* commands:

```
tox -a
```

OR **`tox -av`** for showing *description* of each command

1.1.1 Development Notes

Testing, Documentation Building, Scripts, CI/CD, Static Code Analysis for 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. **CI/CD Pipeline**, running on Github Actions, defined in *.github/*
   a. **Test Job Matrix**, spanning different *platform*'s and *python version*'s
      1. Platforms: *ubuntu-latest*, *macos-latest*, *windows-latest*
      2. Python Interpreters: *3.8*, *3.9*, *3.10*, *3.11*
   b. **Continuous Deployment**
      Production
      1. **Python Distristribution** to pypi.org, on *tags* **v***, pushed to *main* branch
      2. **Docker Image** to Dockerhub, on every push, with automatic *Image Tagging*
      Staging
      1. **Python Distristribution** to test.pypi.org, on "pre-release" *tags* **v*-rc**, pushed to *release* branch
   c. **Configurable Policies** for *Docker*, and *Static Code Analysis* Workflows
5. **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 the fast Ruff linter, along with isort and black

CHAPTER
TWO

PREREQUISITES

You need to have *Python* installed.

CHAPTER
THREE

QUICKSTART

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

```
python3 -m pip install biskotaki
```

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 **Biskotaki**, 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*.
Biskotaki 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

biskotaki 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 biskotaki
```

5.3.2 Simple Use Case

Common Use Case for the biskotaki is to TODO Document

TODO Document

5.4 biskotaki

5.4.1 biskotaki package

Module contents

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