pyNewCode

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Description

This python application preforms all the usual start-of-project tasks for a new project. It:

- Creates the project's directory structure
  - Creates a project directory (if we're not using the current directory)
    - All directories will be subdirectories off the project directory
  - Creates a configuration directory (for the project's config files)
  - Creates a logs directory (for the project's log files)
  - Creates a modules directory (for the project's modules and utilities)
- Creates a Project's base files
  - Will warn and ask if a file already exists
  - Creates the project's main file (starup point)
  - Creates the project's configuration.py file
  - Creates the project's message.py output & logging file
  - Creates the project's modules __init__.py file
  - Creates the project's constants.py file to contain (almost) all of the application's constants
  - Creates the project's YAML file
  - Creates a todo.md file for the project
    - Please follow the instructions in this file after generation

NOTE:

All writing is driven by the YAML configuration file – If you don't want a particular file, you can just set that item to false.

Also, all filenames are driven by the YAML configuraiton file.

Requirements

Environment

- python 3.12+
- rich 13.3.5+
- yaml 0.2.5+
- All other packages are standard to python

Syntax

```
pyNewCode.exe [path]

 Examples:
 pyNewCode C:\dev\MyProject
 (will build the new project in C:\dev\myProject directory)
```

OR

```
python pyNewCode.py [path]

 Examples:
 python pyNewCode.py C:\dev\MyProject
 (will build the new project in C:\dev\MyProject directory)
```

In either case, path is optional.

If not specified, the current directory will be used.

Example Outputs

todo.md file

```
# Project Todos

## YAML file todos:

 - Change "author: Nobody" to your name
 - Change "project: MyNewProject" to your project name
```

project.yaml file

```
author: Nobody
directories:
  config: config
  logs: logs
  modules: modules
options:
  logVerbose: true
  logging: true
  screenclear: true
  screenpretty: true
  screenprint: true
project: MyNewProject
version: 0.0.1
```

Handy Newsletters

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- Postgres Weekly
- Programming Digest
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- Python Morsels
- Python Weekly
- Real Python
- VSCode.email