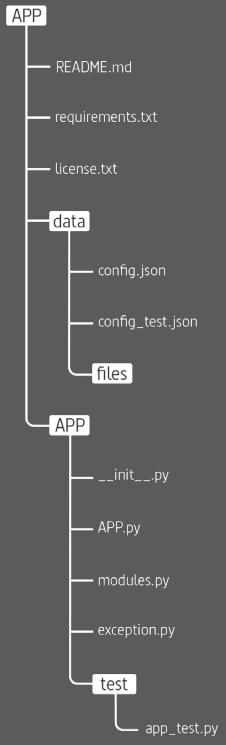
PYTHON PROJECT STRUCTURE



ARGPARSE (ARGUMENT PARSING COMMANDS)

```
parser = argparse.ArgumentParser(description='example')

parser.add_argument('--argname', '-a', *)

 parser.add_argument('--argname', '-a', *)

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args = parser.parse_args()
```

* Flags options

- [action] > Action to be taken
- [nargs] > number of arguments
- [const] > A constat value required
- [default] > Value produced if absent
- [type] > Type to be converted in
- [choices] > Allowable values
- [required] > Optional or not
- [help] > A brief description of the arg.

FILES AND FOLDERS

README.md	> Description / Installation / Usage / Troubleshooting / Disclaimer / Help wanted / Links
requirements.txt	> All external packages.
license.txt	> Permissions and copyright. Example: MIT license or X11
config.json	> json file with all the external variables. It works as an interface.
config_test.json	> Same json file as before but with testing variables.
__init__.py	> Initialize file for the python files.
APP.py	> Main APP component, this code calls and manage all modules.
modules.py	> Other Python modules needed for the app.
exception.py	> Controled errors or exits from the execution.
app_test.py	> Paralell file to APP.py but for testing.

APP.py

```
if __name__ == "__main__":
        # Initialize argument parser
        parser = argparse.ArgumentParser()
        parser.add_argument(arg)
        args = parser.parse_args()


        # Declare global variables from parser


        app = App(arg_01, arg_02, arg_03)
        app.run( )
```

```
from Modules import Modules

class AppName
    __init__(self, flags...):
        # load config file
        # declare global variables
        self.module_one = ModuleOne(vars )
        self.module_two = ModuleTwo(vars )

    run( ):
        # execute all methods needed
        self.module_one.method()
        self.module_two.method()
```

module.py

```
class ModuleOne
    __init__(self, flags...):
        #Declare global variables
    method_one( ):
        #Declare local variables
        # Script


    method_two
        #Declare local variables
        # Script
```