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# **daysgrounded Documentation**

***Release 0.0.28***

**Joao Carlos Roseta Matos**

March 28, 2015



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*daysgrounded* allows you to manage your kid's grounded days (simple app for trying Python programming and testing procedures).

Although the code is OS independent, I'm only able to test it in console (Windows Cmd) and Windows GUI.

You shouldn't use this because it's just a fake app for allowing me to try Python programming and testing procedures.

**Features:**

- Saves a log file with all changes.
- Saves grounded days total per child and last update date.
- Allows changes in CLI and GUI (this last one has different widgets for the same function).



## INSTALLATION

```
$ pip install daysgrounded
```





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**CHAPTER  
TWO**

---

**USAGE**

\$ daysgrounded
-----------------



## OPTIONS

```
$ daysgrounded -h
usage: daysgrounded [-option | child+/-days...]

optional arguments:
  -h, --help            show this help message and exit
  -a, --auto            auto update based on date
  -v, --version         show version
  -l, --license         show license
  child+/-days         eg. t+1 s-1

No arguments starts GUI (Graphical User Interface).
Maximum of 99 days.
```



## RESOURCES

- [Repository](#)



## CONTRIBUTING

1. Fork the [repository](#) on GitHub.
2. Make a branch of master and commit your changes to it.
3. Ensure that your name is added to the end of the AUTHORS.rst file using the format: Name <email@domain.com>
4. Submit a Pull Request to the master branch on GitHub.

## 5.1 Tutorial

### 5.1.1 Installation

```
$ pip install daysgrounded
```

### 5.1.2 Usage

```
$ daysgrounded
```

### 5.1.3 Options

```
$ daysgrounded -h
usage: daysgrounded [-option | child+/-days...]

optional arguments:
  -h, --help            show this help message and exit
  -a, --auto            auto update based on date
  -v, --version          show version
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No arguments starts GUI (Graphical User Interface).
Maximum of 99 days.
```

### 5.1.4 Resources

- [Repository](#)

## 5.1.5 Contributing

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<email@domain.com>
4. Submit a Pull Request to the master branch on GitHub.

## 5.2 Reference

### 5.2.1 \_\_init\_\_.py

Package initialization file.

### 5.2.2 appinfo.py

Application basic information.

### 5.2.3 cli.py

Processes command line arguments and updates child's records.

`daysgrounded.cli.auto_upd(chlds, last_upd)`  
Automatic update based on current date vs last update date.

`daysgrounded.cli.man_upd(argv, chlds, last_upd)`  
Manual update based on args.  
First it checks all args and only if all are correct are they processed.

`daysgrounded.cli.print_state(chlds, last_upd)`  
Prints current state for each child.

`daysgrounded.cli.start(argv)`  
Print banner, read/create data & log file and process args.

### 5.2.4 daysgrounded.py

Manage child(s) grounded days.

If there are any command line arguments it calls the cli module. Otherwise the gui module. See usage.txt for command line usage.

`daysgrounded.daysgrounded.main()`  
Start CLI or GUI.



### 5.2.5 guiTk\_func.py

GUI allows setting the grounded days per child or auto update.

```
daysgrounded.guiTk_func.start()
```

Print banner, read/create data & log file and start GUI.

### 5.2.6 localization.py

Localization.

### 5.2.7 shared.py

Shared constants and functions.

```
daysgrounded.shared.auto_upd_datafile(chlds, last_upd)
```

Automatic update based on current date vs last update date.

```
daysgrounded.shared.banner()
```

Returns banner text.

```
daysgrounded.shared.create_file()
```

Create new data file and log file.

```
daysgrounded.shared.license_()
```

Returns license text, read from a file.

```
daysgrounded.shared.open_create_datafile()
```

Opens datafile if it exists, otherwise creates it.

```
daysgrounded.shared.read_file()
```

Reads and returns chlds and last\_upd from the data file.

```
daysgrounded.shared.update_file(chlds, last_upd)
```

Update data file and log file.

The log file creates an history to be used in the future.

```
daysgrounded.shared.usage()
```

Returns usage text, read from a file.

```
daysgrounded.shared.version()
```

Returns version.

### 5.2.8 utils.py

Utils library.

```
daysgrounded.utils.sys_lang()
```

Get system language.

## 5.3 License

daysgrounded - Manage child(s) grounded days.  
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## 5.4 ChangeLog

0.0.28 2015-03-28

Reorganized build.cmd.  
Simplified py\_ver() in setup\_utils.py.

0.0.27 2015-03-28

Changed licensing inside docstrings to comments.  
Updated update\_copyright() in setup\_utils.py to only update files that are not on use, when it's called.  
update\_copyright() now also checks the license file.  
Created a new function called check\_copyright() in setup\_utils.py to check the copyright of files in use and warn if they have to be updated.  
Changed COPYING.rst to be compatible with update\_copyright() function.  
Added the above check\_copyright and other checks to build.cmd.

0.0.26 2015-03-24

Changed setup\_utils.py to update copyright in doc/conf.py.

0.0.25 2015-03-24

Added new function to setup\_utils.py to create pythonhosted.org/doc.zip.  
Changed build.cmd to use it and remember the user to upload it to PyPI.  
Added twine to build.cmd.  
Added some comments with requirements for build.cmd.  
build.cmd internal reorganization.

0.0.23 2015-03-24

Reverted the Sphinx theme to 'classic' because otherwise it does not build the html documentation.  
Opened issue in RTD for them to update their system for the new name ('classic') of the old 'default' theme.

0.0.22 2015-03-24

Reverted the Sphinx theme to the old 'default' because ReadTheDocs isn't compatible yet.

0.0.21 2015-03-24

Updated doc/\*.rst and daysgrounded/\_\_init\_\_.py to solve Sphinx problem.

0.0.20 2015-03-24

```
General code cleanup.
Cleared __input__.py.
Create appinfo.py with basic application information to be used by the
application, setup.py and setup_utils.py.
Compatibility testing with Py3 and necessary changes. All good now.
Renamed build.bat to build.cmd.
Improved build.cmd.
Improved setup.py to be universal.
Created setup_utils.py to aid build.cmd.
Created utils.py.
Added copyright to all source code.
Updated MANIFEST.in.
and many more.
BUG: Sphinx docs stopped working.
```

#### 0.0.19 2014-06-02

```
Added end user documentation to .gitignore.
Added option PROJ_TYPE to build.bat to distinguish between modules and
applications.
Added pythonhosted.org files to MANIFEST.in.
Changed __init__.py to use glob to select data files.
Changed shared.py to use .decode('cp1252') when reading text files.
Added options to py2exe config in setup.py.
```

#### 0.0.18 2014-05-31

```
Cleanup several files.
Fill some Docstrings.
Translation to English.
```

#### 0.0.17 2014-05-31

```
Added zip_safe to setup.py.
Added PyPI documentation in dir pythonhosted.org (redirects to
ReadTheDocs).
Changed doc\index.rst to include README.rst.
Updated build.bat.
Corrected classifiers in __init__.py. Added ReadTheDocs doc.
Added py_app_ver.py and prep_rst2pdf.py to help build.bat.
Changed build.bat.
Made changes recommended by Pylint.
Changed packaging. Removed globalconf.py.
```

#### 0.0.16 2014-05-24

```
Added sphinx and ReadTheDocs documentation.
```

#### 0.0.15 2014-05-07

```
Forgot to update globalcfg.py. :)
```

#### 0.0.14 2014-05-07

```
build.bat - added cxf and py2exe options.
gui.py - corrected function error.
created cxfreeze_setup.py.
shared.py - corrected data_path for frozen dists.
```

#### 0.0.13 2014-04-27



Changed `__main__` to call `cli` or `gui` modules.  
 Created `open_create_datafile`, `auto_upd_datafile` and `version` in `shared` module.  
 Corrected `usage.txt` and `usage_en.txt`.

## 0.0.12

Forgot to update `CHANGES.txt`. :)

## 0.0.11 2014-04-21

Corrected `MANIFEST.in`, excluded `venv` from `git`.  
 Started `cfg` of `cx_freeze` in `setup.py` but it isn't working yet.

## 0.0.10 2014-04-19

Finalize `py2exe` `cfg`, create `globalcfg.py`.

## 0.0.9

Correct path used for `datafiles` and path for `modules`.

## 0.0.8

Prepare `setup.py` for `py2exe`, changes to run in both `Py2` and `Py3`.

## 0.0.7

Add `README.rst`.

## 0.0.6

Some cleanup.

## 0.0.5

Updated `README.txt`.

## 0.0.4

Updated `README.txt`, `CHANGES.txt`, `__init__.py` Trove classifiers, created `AUTHORS.txt`.

## 0.0.3

Packaging metadata files, fake `rst` files, start `Py3` compat, separate code into `sep` files.  
 Added more packaging and `build/pub` files to ease `PyPI` integration, added some fake `rst`.  
 Created a `build.bat` to automate process, moved some banner and usage to text files.  
 Separate code into 3+1 files, changed code to start testing `Py3` compatibility.

## 0.0.2

Changed file `struc` to match `PyPI` packaging.

## 0.0.1 2014-04-18

Basic func, CLI and GUI (`Tkinter`).

## 5.5 Code authors

Joao Matos <jcrmatos@gmail.com>
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**d**

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