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# **daysgrounded Documentation**

***Release 0.0.32***

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



## DESCRIPTION AND FEATURES

### Description

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, USAGE AND OPTIONS

### Installation

```
$ pip install daysgrounded
```

### Usage

```
$ daysgrounded
```

### Options

```
$ daysgrounded -h

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

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

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



## RESOURCES AND CONTRIBUTING

### 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.



## REFERENCE

### 4.1 cli

Processes command line arguments and updates child's records.

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

`cli.man_upd(argv, childs, last_upd)`  
Manual update based on args.

First it checks all args and only if all are correct are they processed.

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

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

### 4.2 common

Common use constants and functions.

`common.banner()`  
Returns banner text.

`common.license_()`  
Returns license text, read from a file.

`common.usage()`  
Returns usage text, read from a file.

`common.version()`  
Returns version.

### 4.3 daysgrounded

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

## 4.4 gui\_tk\_func

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

```
gui_tk_func.start()  
    Print banner, read/create data & log file and start GUI.
```

## 4.5 localization

Localization.

```
localization.sys_lang()  
    Get system language.
```

## 4.6 shared

Shared constants and functions.

```
shared.auto_upd_datafile(childs, last_upd)  
    Automatic update based on current date vs last update date.  
  
shared.create_file()  
    Create new data file and log file.  
  
shared.open_create_datafile()  
    Opens datafile if it exists, otherwise creates it.  
  
shared.read_file()  
    Reads and returns childs and last_upd from the data file.  
  
shared.update_file(childs, last_upd)  
    Update data file and log file.  
  
    The log file creates an history to be used in the future.
```

## CHANGELOG

0.0.32 2015-05-02

Correct usage files.

0.0.31 2015-05-02

Correct git dist.

0.0.30 2015-05-02

Update build system.  
Increase Py3 compatibility.

0.0.29 2015-04-01

Moved \*.rst from daysgrounded\daysgrounded to daysgrounded.  
Updated doc\conf.py and doc\\*.rst to reflect the move.  
Updated setup\_utils.py to reflect the move.  
Updated MANIFEST.in to reflect the move.  
Updated build.cmd to upload docs to PyPI.

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).

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