



# **bilbo Documentation**

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*A python package and command-line tools to help build and maintain a gollum wiki.*

Here's a summary of what's included in the python package:

### **Classes**

|                              |  |
|------------------------------|--|
| <code>bilbo.blog</code>      | <i>Take pages that have been flagged to be posted as a Jekyll blog post, format them correctly and post them</i> |
| <code>bilbo.scaffold</code>  | <i>Generate and maintain all of the scaffolding for gollum – blogging workflow, listings, tag page etc</i>       |
| <code>bilbo.tasks</code>     | <i>Add projects from wikis to taskpaper files to keep track of project tasks</i>                                 |
| <code>bilbo.templates</code> | <i>Add template files and folders into new Gollum wiki projects and directories</i>                              |
| <code>bilbo.tidy</code>      | <i>Tidy up gollum wiki(s) by cleaning filenames, removing cruft, fixing metadata etc</i>                         |

### **Functions**

|  |
|--|
| <code>bilbo.cl_utils.tab_complete</code> |
|--|



# CHAPTER 1

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## Installation

---

The easiest way to install bilbo is to use pip:

```
pip install bilbo
```

Or you can clone the [github repo](#) and install from a local version of the code:

```
git clone git@github.com:thespacedoctor/bilbo.git
cd bilbo
python setup.py install
```

To upgrade to the latest version of bilbo use the command:

```
pip install bilbo --upgrade
```

## Development

If you want to tinker with the code, then install in development mode. This means you can modify the code from your cloned repo:

```
git clone git@github.com:thespacedoctor/bilbo.git
cd bilbo
python setup.py develop
```

[Pull requests](#) are welcomed!

## Issues

Please report any issues [here](#).





## CHAPTER 2

---

### Command-Line Usage

---

Documentation for bilbo can be found here: <http://bilbo.readthedocs.org/en/stable>

#### Usage:

```
bilbo template [-s <pathToSettingsFile>]
bilbo tasks [-s <pathToSettingsFile>]
bilbo tidy [-s <pathToSettingsFile>]
bilbo scaffold [-s <pathToSettingsFile>]
bilbo blog [-s <pathToSettingsFile>]
```

#### COMMANDS

=====

|   |   |
|---|---|
| template  | populate the wiki with template content and cleanup file    |
| ↪names  |   |
| tasks   | add projects from wikis to taskpaper files to keep track of |
| ↪project tasks                                  |   |
| tidy  | tidy up the gollum wiki, updating lists, sidebars, footer,  |
| ↪headers, cleaning filenames and md metadata    |   |
| scaffold  | add and maintain sidebars, footers, headers and various     |
| ↪listing pages in a gollum wiki                 |   |
| blog  | take pages that have been flagged to be posted as a Jekyll  |
| ↪blog post, format them correctly and post them |   |

#### OPTIONS

=====

|                |                        |
|----------------|------------------------|
| -h, --help     | show this help message |
| -s, --settings | the settings file      |



## CHAPTER 3

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### Documentation

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Documentation for bilbo is hosted by [Read the Docs](#) (last stable version and latest version).



## CHAPTER 4

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### Command-Line Tutorial

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#### **Todo**

- add tutorial
-



# CHAPTER 5

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## Installation

---

The easiest way to install bilbo is to use pip:

```
pip install bilbo
```

Or you can clone the [github repo](#) and install from a local version of the code:

```
git clone git@github.com:thespacedoctor/bilbo.git
cd bilbo
python setup.py install
```

To upgrade to the latest version of bilbo use the command:

```
pip install bilbo --upgrade
```

## Development

If you want to tinker with the code, then install in development mode. This means you can modify the code from your cloned repo:

```
git clone git@github.com:thespacedoctor/bilbo.git
cd bilbo
python setup.py develop
```

[Pull requests](#) are welcomed!

## Issues

Please report any issues [here](#).





## CHAPTER 6

---

### Command-Line Usage

---

Documentation for bilbo can be found here: <http://bilbo.readthedocs.org/en/stable>

#### Usage:

```
bilbo template [-s <pathToSettingsFile>]
bilbo tasks [-s <pathToSettingsFile>]
bilbo tidy [-s <pathToSettingsFile>]
bilbo scaffold [-s <pathToSettingsFile>]
bilbo blog [-s <pathToSettingsFile>]
```

#### COMMANDS

=====

|   |   |
|---|---|
| template  | populate the wiki with template content and cleanup file    |
| ↪names  |   |
| tasks   | add projects from wikis to taskpaper files to keep track of |
| ↪project tasks                                  |   |
| tidy  | tidy up the gollum wiki, updating lists, sidebars, footer,  |
| ↪headers, cleaning filenames and md metadata    |   |
| scaffold  | add and maintain sidebars, footers, headers and various     |
| ↪listing pages in a gollum wiki                 |   |
| blog  | take pages that have been flagged to be posted as a Jekyll  |
| ↪blog post, format them correctly and post them |   |

#### OPTIONS

=====

|                |                        |
|----------------|------------------------|
| -h, --help     | show this help message |
| -s, --settings | the settings file      |



## CHAPTER 7

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### Documentation

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Documentation for bilbo is hosted by [Read the Docs](#) (last stable version and latest version).



## CHAPTER 8

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### Command-Line Tutorial

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#### Todo

- add tutorial
- 

### Subpackages

---

*bilbo*

---

*bilbo.commonutils*

---

*common tools used throughout package*

---

#### **bilbo (subpackage)**

#### **bilbo.commonutils (subpackage)**

*common tools used throughout package*

### Modules

---

*bilbo.cl\_utils*

---

Documentation for bilbo can be found here: <http://bilbo.readthedocs.org/en/stable>

---

*bilbo.utKit*

---

*Unit testing tools*

---

#### **bilbo.cl\_utils (module)**

Documentation for bilbo can be found here: <http://bilbo.readthedocs.org/en/stable>

**Usage:** bilbo template [-s <pathToSettingsFile>] bilbo tasks [-s <pathToSettingsFile>] bilbo tidy [-s <pathToSettingsFile>] bilbo scaffold [-s <pathToSettingsFile>] bilbo blog [-s <pathToSettingsFile>]

template populate the wiki with template content and cleanup file names tasks add projects from wikis to taskpaper files to keep track of project tasks tidy tidy up the gollum wiki, updating lists, sidebars, footer, headers, cleaning filenames and md metadata scaffold add and maintain sidebars, footers, headers and various listing pages in a gollum wiki blog take pages that have been flagged to be posted as a Jekyll blog post, format them correctly and post them

**-h, --help** show this help message  
**-s, --settings** the settings file

`bilbo.cl_utils.main` (arguments=None)

*The main function used when “cl\_utils.py” is run as a single script from the cl, or when installed as a cl command*

## bilbo.utKit (module)

Unit testing tools

**class** `bilbo.utKit.utKit` (moduleDirectory)  
*Override dryx utKit*

## Classes

|                                |  |
|--------------------------------|--|
| <code>bilbo.blog</code>        | <i>Take pages that have been flagged to be posted as a Jekyll blog post, format them correctly and post them</i> |
| <code>bilbo.scaffold</code>    | <i>Generate and maintain all of the scaffolding for gollum – blogging workflow, listings, tag page etc</i>       |
| <code>bilbo.tasks</code>       | <i>Add projects from wikis to taskpaper files to keep track of project tasks</i>                                 |
| <code>bilbo.templates</code>   | <i>Add template files and folders into new Gollum wiki projects and directories</i>                              |
| <code>bilbo.tidy</code>        | <i>Tidy up gollum wiki(s) by cleaning filenames, removing cruft, fixing metadata etc</i>                         |
| <code>bilbo.utKit.utKit</code> | <i>Override dryx utKit</i>   |

## bilbo.blog (class)

**class** `bilbo.blog` (log, settings=False)

*Take pages that have been flagged to be posted as a Jekyll blog post, format them correctly and post them*

### Key Arguments:

- log – logger
- settings – the settings dictionary

### Usage:

```
from bilbo import blog
poster = blog(
    log=log,
```

```
settings=settings
).get()
```

`__init__(log, settings=False)`

## Methods

|  |                            |
|--|----------------------------|
| <code>__init__(log[, settings])</code> |                            |
| <code>get()</code>                     | <i>get the blog object</i> |

## bilbo.scaffold (class)

**class** `bilbo.scaffold(log, settings=False)`

*Generate and maintain all of the scaffolding for gollum – blogging workflow, listings, tag page etc*

### Key Arguments:

- `log` – logger
- `settings` – the settings dictionary

### Usage:

```
from bilbo import scaffold
builder = scaffold(
    log=log,
    settings=settings
)
builder.get()
```

`__init__(log, settings=False)`

## Methods

|  |  |
|--|--|
| <code>__init__(log[, settings])</code>             |  |
| <code>create_blog_listings(wikiRoot)</code>        | <i>Create listings of blogged, undecided and never to be blogged pages in gollum wiki</i>                  |
| <code>create_tag_listings(wikiRoot)</code>         | <i>Create listings of tags and untagged pages in gollum wiki</i>   |
| <code>get()</code>                                 | <i>Generate and maintain all of the scaffolding for gollum – blogging workflow, listings, tag page etc</i> |
| <code>update_root_home_pages(rootDirectory)</code> | <i>Add and update the catalogory pages in gollum wiki (root folders)</i>                                   |
| <code>update_root_sidebar(rootDirectory)</code>    | <i>Add links to the gollum sidebar</i>   |

## bilbo.tasks (class)

**class** `bilbo.tasks(log, settings=False)`

*Add projects from wikis to taskpaper files to keep track of project tasks*

### Key Arguments:

- log – logger
- settings – the settings dictionary

**Usage:**

```
from bilbo import tasks
this = tasks(
    log=log,
    settings=settings
)
this.get()
```

`__init__(log, settings=False)`

**Methods**

---

|  |                |
|--|----------------|
| <code>__init__(log[, settings])</code> |                |
| <code>get()</code>                     | <b>Return:</b> |

---

**bilbo.templates (class)**

**class** `bilbo.templates(log, settings=False)`

*Add template files and folders into new Gollum wiki projects and directories*

**Key Arguments:**

- log – logger
- settings – the settings dictionary

**Usage:**

```
from bilbo import templates
templates(
    log=log,
    settings=settings
).get()
```

`__init__(log, settings=False)`

**Methods**

---

|  |  |
|--|--|
| <code>__init__(log[, settings])</code> |  |
| <code>get()</code>                     | <i>populate the wiki with template content</i> |

---

**bilbo.tidy (class)**

**class** `bilbo.tidy(log, settings=False)`

*Tidy up gollum wiki(s) by cleaning filenames, removing cruft, fixing metadata etc*

**Key Arguments:**

- log – logger



- settings – the settings dictionary

#### Usage:

To trigger all of the tidy methods in one go:

```
from bilbo import tidy
scrubber = tidy(
    log=log,
    settings=settings
)
scrubber.get()
```

`__init__(log, settings=False)`

#### Methods

|   |  |
|---|--|
| <code>__init__(log[, settings])</code>                        |  |
| <code>add_excerpt_marker(rootDirectory)</code>                | <i>add excerpt marker</i>  |
| <code>clean_filenames(rootFolder)</code>                      | <i>Cleanup preexisting wiki file and folder names</i>  |
| <code>clean_markdown_metadata(wikiRoot, wiki-Name)</code>     | <i>clean up the markdown metadata in all MD files</i>  |
| <code>get()</code>  | <i>trigger the tidy object</i>   |
| <code>move_files_to_category_folders(wikiRoot[, ...])</code>  | <i>Move files from projects and scratch areas whenever the category field has been added.</i>                                |
| <code>move_single_category_files_into_dedicated_folder</code> | <i>move single category files into dedicated folder</i>  |
| <code>rename_markdownfile_files_to_metadata_title</code>      | <i>Rename markdown files to match the title in their metadata</i>  |
| <code>transfer_pages_between_wikis(wikiRoot, wikiName)</code> | <i>Transfer pages and folders between wikis if the wiki keyword points to another wiki and the category keywords is set.</i> |

### bilbo.utKit.utKit (class)

**class** `bilbo.utKit.utKit(moduleDirectory)`  
*Override dryx utKit*

`__init__(moduleDirectory)`

#### Methods

|  |                                  |
|--|----------------------------------|
| <code>__init__(moduleDirectory)</code> |                                  |
| <code>setupModule()</code>             | <i>The setupModule method</i>    |
| <code>tearDownModule()</code>          | <i>The tearDownModule method</i> |

## Functions

---

`bilbo.cl_utils.tab_complete`

---

## **bilbo.cl\_utils.tab\_complete** (*function*)

`bilbo.cl_utils.tab_complete` (*text, state*)

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