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# **Cheqlist Documentation**

***Release 0.3.1***

November 20, 2016



<b>1</b>	<b>Cheqlist User's Guide</b>	<b>3</b>
1.1	Installing . . . . .	3
1.2	Main Window . . . . .	3
1.3	File format . . . . .	4
1.4	Configuration . . . . .	5
<b>2</b>	<b>Cheqlist. A simple Qt checklist.</b>	<b>7</b>
2.1	PURPOSE . . . . .	7
2.2	SCREENSHOT . . . . .	7
2.3	INSTALLATION . . . . .	7
2.4	FILE FORMAT . . . . .	7
2.5	READ MORE . . . . .	7
2.6	COPYRIGHT . . . . .	8
<b>3</b>	<b>Appendix A. Contribution rules</b>	<b>9</b>
3.1	Issue reporting . . . . .	9
3.2	General preparations, rules and pull process . . . . .	9
<b>4</b>	<b>Appendix B. License for Cheqlist</b>	<b>11</b>
<b>5</b>	<b>Appendix C. Changelog</b>	<b>13</b>
5.1	GitHub holds releases, too . . . . .	13
5.2	Version History . . . . .	13
<b>6</b>	<b>Indices and tables</b>	<b>15</b>



Welcome to Cheqlist documentation! Most users want to start with the User's Guide.



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## Cheqlist User's Guide

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### Contents

- *Cheqlist User's Guide*
  - *Installing*
  - *Main Window*
    - \* *Formatting*
    - \* *Undo, Redo, Undo Window*
    - \* *Pasting items*
    - \* *Bulk operations*
  - *File format*
  - *Configuration*

## 1.1 Installing

To install and use Cheqlist, you must first install Qt, Python (Python 3 recommended) and PyQt5.

Cheqlist fully supports Linux and should work on Windows and macOS, but some things might not work properly or natively.

Arch Linux users can use the `cheqlist` package from the AUR. Users of other Linux distributions need to install it themselves; PyQt5 packages should be available in OS repositories. macOS users can install `python3` from Homebrew, `pip` for that Python manually and `pyqt5` from pip (in a virtualenv, or with `pip install --user`) to satisfy all dependencies. Windows users can use installers provided by Python, Qt and PyQt5.

## 1.2 Main Window

Cheqlist opens with an empty task list, but a file may be provided on the command line. There are three menus (*File*, *Edit*, *Help*) and two toolbars that allow access to common commands.

Tasks can be added by pressing **Ctrl+T** on the keyboard or by clicking the *Add* button in the toolbar/in the menu. Tasks can be edited with **Ctrl+E** or double clicking. Tasks can be deleted by pressing **Delete** or clicking the *Delete* button in the toolbar/in the menu. Tasks also offer right-click menus with *Add/Edit/Delete* and formatting.

The entire list can be cleared with **Ctrl+R** or the *Clear* button. There is no confirmation, but it can be undone (**Ctrl+Z**).

Files (*\*.cheqlist*) may be opened or saved, see *File format* for details of what input is taken and what is saved to files. Opening or saving a file links Cheqlist to that file (further *Save* operations won't ask for a file name). Closing Cheqlist with unsaved changes will prompt to save them.

Mac users: Replace `Ctrl` with `Command` and `Alt` with `Option`.

### 1.2.1 Formatting

There are four formatting options available: bold (`Ctrl+B`), italic (`Ctrl+I`), underline (`Ctrl+U`), and strike out (`Ctrl+Alt+S`). Bold, italic, and underline have no meaning to the application (they are for decoration only). Strike out has no meaning unless *Ignore struck out tasks* is enabled from the *Edit* menu (saved in configuration between sessions).

Pressing `Ctrl+Up` and `Ctrl+Down` moves items up and down on the list.

### 1.2.2 Undo, Redo, Undo Window

All operations can be undone. Saving a file clears the undo list. To see all operations, you can use the *Show undo window* option from the *Edit* menu.

### 1.2.3 Pasting items

The *Paste items...* option in the edit menu (`Ctrl+V` when *not* editing a task) allows users to add tasks from the clipboard. It can also be used to add multiple tasks without having to press `Ctrl+T` after every task (i.e. Collection Mode/Bulk Add) Input is parsed the same way as files — check the *File format* section for details.

### 1.2.4 Bulk operations

There are three bulk operations in the *Edit* menu. *Check All* marks all tasks as done (sets completion to 100%). *Check None* marks all tasks as undone (sets completion to 0%). *Invert Selection* marks all done tasks as undone, and all undone tasks as done (completion = 100% - previous completion)

## 1.3 File format

Cheqlist uses a very liberal parser for files, loosely based on GitHub Flavored Markdown's list syntax. The following rules apply:

- If a line starts with asterisks or dashes followed by spaces, those are removed. (bulleted list syntax)
- If a line starts with `[ ]` (after removing asterisks/dashes), those are removed and the task is marked as incomplete.
- If a line starts with `[x]` or `[X]` or `[*]`, those are removed and the task is marked as complete.
- If text is wrapped in single asterisks or underscores (*`*italic*`*, *`_italic_`*), it is interpreted as italic text.
- If text is wrapped in double asterisks underscores (**`**bold**`**, **`__bold__`**), it is interpreted as italic text.
- If text is wrapped in `<u>` HTML tags (`<u>underline</u>`), it is interpreted as underlined text.
- If text is wrapped in double tildes (~~`~~strikeout~~`~~), it is interpreted as struck out text.
- A zero-width-non-joiner character (U+200C) on both sides of a line may be used to preserve raw asterisks, underscores, tildes or `<u>` tags at start/end of lines.
- Text formatting options may be mixed, eg. `<u>~~***all formattings***~~</u>`
- Cheqlist itself starts lines with dashes and `[ ]` or `[x]` in saved files.



The source distribution has some example files that show available formats, alongside a file generator (that often produces garbled output to test the parser).

## 1.4 Configuration

Configuration is stored in `~/.config/kwpolska/cheqlist/cheqlist.ini`. The current configuration values are:

- [directories]
  - `lastdir` — last directory used when opening files
  - `homedir` — home directory for lists (used only if `open_from` is set to `homedir`)
  - `open_from` — place to open from (`lastdir` or `homedir`)
- [settings]
  - `ignore_struck_out` (true/false) — whether or not to ignore tasks that are struck out

Logs are stored in `~/.config/kwpolska/cheqlist/cheqlist.log`.



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## Cheqlist. A simple Qt checklist.

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**Info** This is the README file for Cheqlist.

**Author** Chris Warrick <[chris@chriswarrick.com](mailto:chris@chriswarrick.com)>

**Copyright** © 2015-2016, Chris Warrick.

**Date** 2016-11-20

**Version** 0.3.1

### 2.1 PURPOSE

This is a simple checklist application, written in PyQt5.

### 2.2 SCREENSHOT

### 2.3 INSTALLATION

```
pip install cheqlist
```

Make sure you have PyQt5 installed. AUR package also available.

If you are on Linux, run:

```
sudo update-mime-database /usr/share/mime
```

### 2.4 FILE FORMAT

GitHub Flavored Markdown is the usual file format:

```
- [ ] unchecked
- [x] checked
```

However, the parser is quite liberal when it comes to reading files. It also supports Markdown-style formatting for ***<u>underline</u>***, ~~strikeout~~.

### 2.5 READ MORE

See the [Cheqlist User's Guide](#) for more details.

## 2.6 COPYRIGHT

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## Appendix A. Contribution rules

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**Info** Those are the contribution rules for Cheqlist.

**Copyright** © 2012-2016, Chris Warrick.

**License** 3-clause BSD

Do you want to contribute to this project? Great! I'd love to see some help, but you must comply with some rules.

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in RFC 2119.

### 3.1 Issue reporting

GitHub Issues are the recommended way to report an issue.

When pasting console sessions, you must paste them fully, *prompt-to-prompt*, to see all the messages and your input. Trim only stuff that you are 1000% sure that is not related to the project in question.

### 3.2 General preparations, rules and pull process

#### 3.2.1 Prepare

A GitHub account is recommended. Patches by e-mail are accepted, but I'd prefer to work via GitHub.

#### 3.2.2 Rules

1. Commits must have short, informative and logical messages. Signoffs and long messages are recommended. “Fix #xxx” is required if an issue exists.
2. The following fancy Unicode characters should be used when needed: - “ ” ‘ ’. ... should not appear in console output, but may appear elsewhere.
3. For Python code, use the PEP 8 coding style and PEP 257 documentation style. For other languages, K&R style applies. Braces are mandatory in all blocks (even one-line blocks). Braces are on the same lines as class names and function signatures. Use 4-space indents.

#### 3.2.3 Request a Pull

Done? Go hit the **Pull Request** button over on GitHub! Your request should be accepted shortly (assuming there are no major errors).



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## Appendix B. License for Cheqlist

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**Info** This is the license for Cheqlist.

**Author** Chris Warrick <[chris@chriswarrick.com](mailto:chris@chriswarrick.com)>

**Copyright** © 2015-2016, Chris Warrick.

**License** BSD (see /LICENSE or [Appendix B.](#))

**Date** 2016-11-20

**Version** 0.3.1

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## Appendix C. Changelog

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**Info** This is the changelog for Cheqlist.

**Author** Chris Warrick <[chris@chriswarrick.com](mailto:chris@chriswarrick.com)>

**Copyright** © 2015-2016, Chris Warrick.

**License** BSD (see /LICENSE or [Appendix B.](#))

**Date** 2016-11-20

**Version** 0.3.1

### 5.1 GitHub holds releases, too

More information can be found on GitHub in the [releases section](#).

### 5.2 Version History

#### 0.3.1

- Add Move Up and Move Down commands (Ctrl+Up, Ctrl+Down)

#### 0.3.0

- More resilient, regex-based input parser
- Full file support (remembers file names, save on quit if changes made etc.)
- Undo/redo capability for all operations
- Better performance of large lists (patterns, opening)
- Ability to paste tasks/insert from text (Ctrl+V)

#### 0.2.0

- Display exceptions in message boxes
- More formatting: underline and strikeouts
- Remove sample items
- Split into two toolbars (Main and Edit)
- Make it possible to ignore struck-out tasks
- Add right-click menus

#### 0.1.6

- Fix updating last used directory

### 0.1.5

- Fix task counting in logs (prevents crash on write)

### 0.1.4

- Support opening files (requires MIME database update)

### 0.1.3

- Remember last location used
- Add config file support
- Add logging
- Select newly added items (Ctrl+B/Ctrl+I will work, but will also clear the text while editing)

### 0.1.2

- Add menu bar
- Add Quit action (Ctrl+Q)
- Add Edit action (Ctrl+E)
- Add actions to (un)check all and invert checks

### 0.1.1

- .cheqlist extension
- minor fixes
- demo files

**0.1.0** Initial release.

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## Indices and tables

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- `genindex`
- `modindex`
- `search`



## C

CHANGELOG, [13](#)

contributing, [9](#)

## I

issues, [9](#)

## L

LICENSE, [11](#)