

# Package ‘dotprofile’

October 13, 2022

**Title** Create and Manage Configuration Profiles

**Version** 0.0.1

**Description** A toolbox to create and manage metadata files and configuration profiles: files used to configure the parameters and initial settings for some computer programs.

**License** MIT + file LICENSE

**URL** <https://github.com/jeanmathieupotvin/dotprofile>

**BugReports** <https://github.com/jeanmathieupotvin/dotprofile/issues/new>

**ByteCompile** true

**Encoding** UTF-8

**Language** en

**NeedsCompilation** no

**RoxygenNote** 7.1.2

**Depends** R (>= 4.1.0)

**Imports** R6, cli (>= 3.1.0)

**Suggests** microbenchmark, covr, withr, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Config/testthat/parallel** true

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**Repository** CRAN

**Date/Publication** 2021-11-23 19:30:04 UTC

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dotprofile-package      *dotprofile: create and manage configuration profiles*

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### Description

A toolbox to create and manage metadata files and configuration profiles: files used to configure the parameters and initial settings for some computer programs.

### Author(s)

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### See Also

Useful links:

- <https://github.com/jeanmathieupotvin/dotprofile>
- Report bugs at <https://github.com/jeanmathieupotvin/dotprofile/issues/new>

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dotprofile-ui      *User interface of dotprofile*

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### Description

These functions are used to construct the command-line interface of **dotprofile**. They are inspired from **usethis** for consistency, but their implementation is different and relies on wrapper functions to other functions of **cli**.

### Usage

```
## ---  
## Print messages to the console  
## ---  
  
ui_todo(..., .envir = parent.frame())  
  
ui_info(..., .envir = parent.frame())  
  
ui_done(..., .envir = parent.frame())  
  
ui_nope(..., .envir = parent.frame())  
  
ui_ask(..., .envir = parent.frame())  
  
## ---
```

```

## Ask for inputs interactively
## ---

ui_input(..., .envir = parent.frame())

ui_menu(..., answers = c("yes", "no"), .envir = parent.frame())

## ---
## Signal conditions
## ---

ui_warn(warning, ..., .envir = parent.frame())

ui_stop(error, ..., .envir = parent.frame())

## ---
## Cheatsheet for inline markup
## ---

ui_theme()

```

## Arguments

|         |  |
|---------|--|
| ...     | [any]<br>Passed to <code>cli::format_inline()</code> , unless stated otherwise below. Use <b>cli inline markup</b> for inline formatting.<br><b>Functions <code>ui_warn()</code> and <code>ui_stop()</code>:</b><br>... is an optional sequence of further calls executed after returning a message via <code>base::warning()</code> and <code>base::stop()</code> respectively. You should only pass calls to other user interface functions. See examples below. |
| .envir  | [environment]<br>Passed to <code>cli::format_inline()</code> , <code>cli::format_warning()</code> or <code>cli::format_error()</code> . This argument is <b>not</b> validated by <b>dotprofile</b> and is reserved for expert use.   |
| answers | [atomic]<br>Non-empty <b>atomic vector</b> passed to argument choices of <code>utils::menu()</code> .  |
| warning | [character(1)]<br>Passed to <code>cli::format_warning()</code> .   |
| error   | [character(1)]<br>Passed to <code>cli::format_error()</code> .   |

## Details

The user interface functions of **dotprofile** can be divided into three groups.

1. Print messages with `ui_todo()`, `ui_info()`, `ui_done()`, `ui_warn()`, `ui_ask()` and `ui_nope()`.
2. Seek *answers* from the user with `ui_input()` and `ui_menu()`. The former expects an input to be typed in the terminal, while the latter expects a value to be chosen interactively from a menu. These functions can only be used in an **interactive** session.

- Signal conditions with `ui_warn()` and `ui_stop()`. They are designed to play nicely with `ui_*` functions of the first group, and can be used to craft beautiful and meaningful error messages.

All functions support [string interpolation](#).

## Value

- Functions `ui_todo()`, `ui_info()`, `ui_done()`, `ui_nope()`, `ui_ask()`, and `ui_theme()` return NULL invisibly.
- Function `ui_input()` returns a character(1). It returns an empty character(1) in non-interactive sessions.
- Function `ui_menu()` returns the *chosen* value taken from argument answers. In non-interactive sessions, or if the user aborts the process, it returns NA. Its actual type matches the type of the value passed to argument answers.
- Function `ui_warn()` throws a warning, but **does not stop** execution of the current expression. It returns NULL invisibly.
- Function `ui_stop()` throws an error message and **stops** execution of the current expression.

## Examples

```
## Use dotprofile's UI functions to convey messages to the user.
ui_examples <- function()
{
  ui_todo("This is a {.strong to-be-completed} task.")
  ui_info("This is an information.")
  ui_done("This a {.strong completed} task.")
  ui_nope("Something's {.strong wrong}, but this is not an error.")
  ui_ask("This is a question.")
}

ui_examples()

## Use cli's inline classes to easily style messages passed to `...`
ui_theme()

## Construct beautiful warnings and errors with ui_warn() and ui_stop().
## Not run:
ui_warn("this is a warning message generated with {.fn ui_warn}.")
ui_warn("this is a {.emph super custom} warning message.",
  ui_info("You can pass other {.fn ui_*} calls to it."),
  ui_info("They are printed after the warning message, like {.pkg rlang} does."),
  ui_nope("Only use functions that has side-effects here.")
)

ui_stop("this is an error message generated with {.fn ui_stop}.")
ui_stop("this is a {.emph super custom} error message.",
  ui_info("You can pass other {.fn ui_*} calls to it."),
  ui_info("They are printed after the error message, like {.pkg rlang} does."),
  ui_nope("Only use functions that has side-effects here.")
)
```

```
## End(Not run)
```

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