

Package ‘climenu’

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Title Interactive Command-Line Menus

Version 0.1.8

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Description Provides interactive command-line menu functionality with single and multiple selection menus, keyboard navigation (arrow keys or vi-style j/k), preselection, and graceful fallback for non-interactive environments. Inspired by tools such as 'inquirer.js' <<https://github.com/SBoudrias/Inquirer.js>>, 'pick' <<https://github.com/aisk/pick>>, and 'survey' <<https://github.com/AlecAivazis/survey>>. Designed to be lightweight and easy to integrate into 'R' packages and scripts.

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URL <https://github.com/PetrCala/climenu>

BugReports <https://github.com/PetrCala/climenu/issues>

Depends R (>= 4.0.0)

Imports cli (>= 3.6.0), keypress (>= 1.0.0)

Suggests covr, devtools, knitr, rmarkdown, roxygen2 (>= 7.0.0), testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

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NeedsCompilation no

Repository CRAN

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checkbox	<i>Multiple Selection Menu (Checkbox)</i>
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Description

Interactive menu for selecting multiple items from a list. Uses arrow keys (or j/k) to navigate, Space to toggle, and Enter to confirm. Optionally includes a "Select all" / "Deselect all" option at the top when allow_select_all = TRUE.

Usage

```
checkbox(  
  choices,  
  prompt = "Select items (Space to toggle, Enter to confirm):",  
  selected = NULL,  
  return_index = FALSE,  
  max_visible = 10L,  
  allow_select_all = FALSE  
)
```

Arguments

choices	Character vector of choices to display
prompt	Prompt message to display
selected	Pre-selected items (indices or values)
return_index	Return indices instead of values (default: FALSE)
max_visible	Maximum number of items to display at once (default: 10). Set to NULL to show all items.
allow_select_all	If TRUE, adds a "Select all" / "Deselect all" option at the top of the menu. When selected, toggles all items at once. The option text dynamically changes based on selection state (default: FALSE).

Value

Selected items as character vector or indices, or NULL if cancelled. The special "Select all" option is never included in the returned results.

Examples

```
if (interactive()) {
  toppings <- checkbox(
    c("Pepperoni", "Mushrooms", "Olives"),
    prompt = "Select toppings:"
  )

  # With pre-selection
  options <- checkbox(
    c("Option A", "Option B", "Option C"),
    selected = c(1, 3)
  )

  # With scrolling for long lists
  items <- checkbox(1:100, max_visible = 10)

  # With select all feature
  methods <- checkbox(
    c("method_a", "method_b", "method_c"),
    allow_select_all = TRUE,
    prompt = "Select methods to run:"
  )
}
```

menu

Interactive CLI Menu

Description

Creates an interactive menu in the R console allowing users to select items. Inspired by `inquirer.js`, Python's `pick`, and Go's `survey` libraries.

Usage

```
menu(
  choices,
  prompt = "Select an item:",
  type = c("select", "checkbox"),
  selected = NULL,
  return_index = FALSE,
  max_visible = 10L,
  allow_select_all = FALSE
)
```

Arguments

choices	Character vector of choices to display
prompt	Prompt message to display (default: "Select an item:")

type	Menu type: "select" (single) or "checkbox" (multiple) (default: "select")
selected	Pre-selected items (indices or values)
return_index	Return indices instead of values (default: FALSE)
max_visible	Maximum number of items to display at once (default: 10). Set to NULL to show all items.
allow_select_all	If TRUE, adds a "Select all" / "Deselect all" option at the top of the menu. Only used when type = "checkbox" (default: FALSE).

Value

Selected item(s) as character vector or indices, or NULL if cancelled

Examples

```
if (interactive()) {
  # Single selection
  color <- menu(c("Red", "Green", "Blue"), prompt = "Pick a color:")

  # Multiple selection
  toppings <- menu(
    c("Pepperoni", "Mushrooms", "Olives"),
    type = "checkbox",
    prompt = "Select toppings:"
  )
}
```

select	<i>Single Selection Menu</i>
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Description

Interactive menu for selecting a single item from a list. Uses arrow keys (or j/k) to navigate and Enter to select.

Usage

```
select(
  choices,
  prompt = "Select an item:",
  selected = NULL,
  return_index = FALSE,
  max_visible = 10L
)
```

Arguments

choices	Character vector of choices to display
prompt	Prompt message to display
selected	Pre-selected item (index or value)
return_index	Return index instead of value (default: FALSE)
max_visible	Maximum number of items to display at once (default: 10). Set to NULL to show all items.

Value

Selected item as character or index, or NULL if cancelled

Examples

```
if (interactive()) {  
  choice <- select(c("Yes", "No", "Maybe"))  
  index <- select(c("First", "Second", "Third"), return_index = TRUE)  
  
  # With scrolling for long lists  
  choice <- select(1:100, max_visible = 10)  
}
```

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