Package 'minidown'

February 8, 2022

Type Package

Title Create Simple Yet Powerful HTML Documents with Light Weight CSS
Frameworks

Version 0.4.0

Maintainer Atsushi Yasumoto <atusy.rpkg@gmail.com>

Description Create minimal, responsive, and style-agnostic HTML documents with
the lightweight CSS frameworks such as 'sakura', 'Water.css', and 'spcss'.
Powerful features include table of contents floating as a sidebar,
folding codes and results, and more.

URL https://minidown.atusy.net, https://github.com/atusy/minidown

BugReports https://github.com/atusy/minidown/issues

License MIT + file LICENSE

Encoding UTF-8

Language en-US

RoxygenNote 7.1.1

Imports htmltools, katex, knitr, mime, rmarkdown, sass, xfun

Suggests callr, dplyr, purrr, shiny, testthat (>= 2.1.0), tidyr,
tibble

SystemRequirements pandoc (>= 2.7.2) - http://pandoc.org

VignetteBuilder knitr

NeedsCompilation no

Author Atsushi Yasumoto [aut, cph, cre]
(<https://orcid.org/0000-0002-8335-495X>),
Angelos Chalaris [aut] (mini.css),
Susam Pal [aut] (spcss),
Mitesh Shah [aut] (sakura),
Kognise [aut] (Water.css)

Repository CRAN

Date/Publication 2022-02-08 13:50:01 UTC

R **topics documented:**

---

download_rmd_button   *Generate an HTML widget to download input Rmd file*

Description

The button can self-contain the input data by base64 encoding.

Usage

```
download_rmd_button(
  input = NULL,
  text = "Download Rmd",
  ...,
  class = "button",
  align = "right",
  aside = TRUE,
  embed = NULL
)
```

Arguments

input	Filename of the input. If NULL, the function automatically detects the name of the knitting Rmd file.
text	The text for the hyperlink.
...	Arguments passed to the embed function.
class	HTML class(es) given to the anchor element generated by embed (default: "button").
align	Align the button by CSS's text-align attribute. This feature is disabled when aside is FALSE
aside	Whether to wrap the anchor element by the aside element.
embed	A function to embed file(s). One of xfun::embed_file, xfun::embed_files, or xfun::embed_dir.

Value

shiny.tag class object.

Examples

```
set.seed(1L)

input <- tempfile()
writeLines("", input)
download_rmd_button(input)

# Requires zip command
if (interactive()) {
  input <- tempdir()
  download_rmd_button(input, embed = xfun::embed_dir)
}
```

---

frameworks	*Lightweight CSS frameworks meta data*

Description

To see the names of the frameworks, run `names(frameworks)`. To see the names of themes of a framework, say `"mini"`, run `names(frameworks$mini$stylesheet)`

Usage

```
frameworks
```

Format

A list

---

mini_document	*Convert to an HTML document powered by the lightweight CSS framework.*

Description

The output format is HTML5 in general. If `framework = "bootstrap"` is given, the output format becomes HTML4 and comparable to `rmarkdown::html_document` except for the behavior of the `code_folding` option.

Usage

```
mini_document(
  framework = "sakura",
  theme = "default",
  toc = FALSE,
  toc_float = FALSE,
  toc_highlight = FALSE,
  section_divs = TRUE,
  code_folding = c("none", "show", "hide"),
  results_folding = c("none", "show", "hide"),
  tabset = FALSE,
  code_download = FALSE,
  self_contained = TRUE,
  math = "katex_serverside",
  template = "default",
  extra_dependencies = NULL,
  includes = list(),
  keep_md = FALSE,
  pandoc_args = NULL,
  ...
)
```

Arguments

`framework, theme`

A string to specify the name of a framework (default: `"sakura"`) and its theme (default: `"default"`). Note that `theme = "default"` is a special keyword which selects a theme defined as default internally. See `frameworks` for available light weight CSS frameworks and their themes. If you want to scratch styles by yourself, use `framework = "none"`.

`toc`   `TRUE` to include a table of contents in the output

`toc_float`   `TRUE` to float the table of contents to the left of the main document content.

`toc_highlight`   This is an experimental feature. `TRUE` highlights the table of contents according to the browser's viewport.

`section_divs`   Wrap sections in `<div>` tags, and attach identifiers to the enclosing `<div>` rather than the header itself.

`code_folding`   Setup code folding by a string or a named list. A choice for the string are `"none"` to disable, `"show"` to enable and show all by default), and `"hide"` to enable and hide all by default. If a named list, each element may have one of the above strings. Names are some of "source", "output", "message", "warning", and "error". If the list does not have some of the element with the above name, they are treated as `"none"`.

`results_folding`

Setup results folding by a string, `"none"`, `"show"`, or `"hide"`. This feature will fold entire results, including side effects such as figures and tables.

`tabset`   `TRUE` converts sections to tabs if they belong to the `tabset`-class section. The tabs inherit names from the corresponding sections. Unlike `rmarkdown::html_document`,

the tabs can be navigated by table of contents, and can be shared by unique URLs. Note that `framework = "bootstrap"` falls back to the native feature of `rmarkdown::html_document`. This feature also requires `section_divs = TRUE`.

code_download   If `TRUE` and `framework = "bootstrap"`, the output includes Rmd file itself and supplies download button of it.

self_contained   Produce a standalone HTML file with no external dependencies, using data: URIs to incorporate the contents of linked scripts, stylesheets, images, and videos. Note that even for self contained documents MathJax is still loaded externally (this is necessary because of its size).

math   This is a good choice when you want to exclude JavaScript from the output. The default value `"katex"` attempts client-side rendreing, but falls back to server-side rendering, i.e. `"katex_serverside"`, when runtime is shiny or shiny_prerendered. Otherwise, if the `framework` is `"bootstrap"`, this option is passed to the `mathjax` argument of `rmarkdown::html_document`.

template   Pandoc template. If "default", the package's internal template is used. If a path, user's original template is used. If `NULL`, pandoc's internal template is used.

extra_dependencies

        Additional function arguments to pass to the base R Markdown HTML output formatter [html_document_base](#)

includes   Named list of additional content to include within the document (typically created using the [includes](#) function).

keep_md   Keep the markdown file generated by knitting.

pandoc_args   Additional command line options to pass to pandoc

...   Arguments passed to `rmarkdown::html_document`

Examples

```
## Not run:
library(rmarkdown)
library(minidown)
render("input.Rmd", mini_document)


## End(Not run)
```

Index