Package 'gfonts'

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Title Offline 'Google' Fonts for 'Markdown' and 'Shiny'

Version 0.2.0

Description Download 'Google' fonts and generate 'CSS' to use in 'rmarkdown' documents and 'shiny' applications. Some popular fonts are included and ready to use.

URL https://dreamrs.github.io/gfonts/, https://github.com/dreamRs/gfonts

BugReports https://github.com/dreamRs/gfonts/issues

License GPL-3

Encoding UTF-8

LazyData true

Depends R (>= 2.10)

Imports utils, htmltools, shiny, crul, jsonlite, glue, crayon

RoxygenNote 7.2.2

Suggests knitr, rmarkdown, testthat (>= 2.1.0), vcr, covr

VignetteBuilder knitr

NeedsCompilation no

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R topics documented:

`download_font` *Download font files*

Description

Download font files

Usage

```
download_font(id, output_dir, variants = NULL, ..., http_options = list())
```

Arguments

`id`	Id of the font, correspond to column `id` from `get_all_fonts`.
`output_dir`	Output directory where to save font files.
`variants`	Variant(s) to download, default is to includes all available ones.
`...`	Additional parameters to API query.
`http_options`	Arguments passed to `crul::HttpClient$new`.

Value

a character vector of the filepaths extracted to, invisibly.

Examples

```
if (interactive()) {

# For example, we use a temporary directory
path_to_dir <- tempfile()
dir.create(path_to_dir)

# Download Roboto font
download_font(
  id = "roboto",
  output_dir = path_to_dir
)

# Get only regular, italic and bold
download_font(
  id = "roboto",
```

```
  output_dir = path_to_dir,
  variants = c("regular", "300italic", "700")
)

# Clean up
unlink(path_to_dir, recursive = TRUE)

}
```

`generate_css` *Generate CSS to import fonts*

Description

Generate CSS to import fonts

Usage

```
generate_css(
  id,
  variants = NULL,
  subsets = NULL,
  output = NULL,
  font_dir = "../fonts/",
  prefer_local_source = TRUE,
  browser_support = c("best", "modern"),
  ...
)
```

Arguments

`id`	Id of the font, correspond to column `id` from `get_all_fonts`.
`variants`	Variant of font to use.
`subsets`	Subsets to use.
`output`	Specifies path to output file for CSS generated.
`font_dir`	Fonts directory relative to `ouput`.
`prefer_local_source`	Generate CSS font-face rules in which user installed fonts are preferred. Use `FALSE` if you want to force the use of the downloaded font.
`browser_support`	Browser to support, choose `"best"` to support old browser or `"modern"` for only recent ones.
`...`	Arguments passed to `crul::HttpClient$new`.

Value

a character string with CSS code (invisibly).

Examples

```
if (interactive()) {

# Generate CSS code to use Roboto font
cat(generate_css("roboto", "regular"))

}
```

`get_all_fonts` *Get infos about all fonts available*

Description

Retrieve from API all fonts currently available. Use the `id` field in other functions to reference the font you want to use.

Usage

```
get_all_fonts(...)
```

Arguments

`...`	Arguments passed to `crul::HttpClient$new`.

Value

a `data.frame`.

Examples

```
if (interactive()) {

 # Retrieve all fonts currently available
 all_fonts <- get_all_fonts()

}
```

get_font_info *Get detailed information about a font*

Description

Get detailed information about a font

Usage

```
get_font_info(id, subsets = NULL, ...)
```

Arguments

id	Id of the font, correspond to column id from get_all_fonts.
subsets	Select charsets, for example "latin".
...	Arguments passed to crul::HttpClient$new.

Value

a data.frame.

Examples

```
if (interactive()) {

 # Info about Roboto
 roboto <- get_font_info("roboto")

}
```

gfonts *Use Google fonts offline*

Description

Download Google fonts and generate CSS to use in rmarkdown documents and shiny applications. Some popular fonts are included and ready to use.

Download a font

Use setup_font to get a font inside your current project, then in a {shiny} application or {rmarkdown} document, you can use use_font to import the font.

Ready-to-use fonts

Some fonts are included in this package and can be used directly with use_pkg_gfont.

Author(s)

Victor Perrier (@dreamRs_fr)

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included_fonts *Detail about included fonts.*

Description

Id and version of fonts included and available through `use_pkg_gfont`.

Usage

```
included_fonts
```

Format

A data frame with 8 rows and 5 variables:

id Id for the font.

family Name of the font.

category Category.

version Version number.

lastModified Last modified date.

Source

https://gwfh.mranftl.com

---

setup_font *Setup a font to be used in Shiny or Markdown*

Description

This function will download the specified font into a directory of your project and generate CSS code to use it in a Shiny application or RMarkdown document.

Usage

```
setup_font(
  id,
  output_dir,
  variants = NULL,
  subsets = NULL,
  prefer_local_source = TRUE,
  browser_support = c("best", "modern"),
  ...
)
```

Arguments

`id`	Id of the font, correspond to column `id` from `get_all_fonts`.
`output_dir`	Output directory where to save font and CSS files. Must be a directory.
`variants`	Variant(s) to download, default is to includes all available ones.
`subsets`	Subsets to download.
`prefer_local_source`	Generate CSS font-face rules in which user installed fonts are preferred. Use `FALSE` if you want to force the use of the downloaded font.
`browser_support`	Browser to support, choose `"best"` to support old browser or `"modern"` for only recent ones.
`...`	Arguments passed to `crul::HttpClient$new`.

Value

None.

Note

Two directories will be created (if they do not exist) in the `output_dir` specified: **fonts/** and **css/**.

Examples

```
if (interactive()) {

# For example, we use a temporary directory
path_to_www <- tempfile()
dir.create(path_to_www)

# In a Shiny app, you can use the www/ directory
# in Markdown, use a subfolder of your Rmd directory
setup_font(
  id = "open-sans-condensed",
  output_dir = path_to_www
)

# Clean up
unlink(path_to_www, recursive = TRUE)

}
```

tag_example *Generate HTML tags used in examples*

Description

Generate HTML tags used in examples

Usage

```
tag_example(class = NULL)
```

Arguments

class	Class of the main div.

Value

HTML tags.

Examples

```
tag_example()
```

use_font *Use a downloaded font in Shiny or Markdown*

Description

Use a downloaded font in Shiny or Markdown

Usage

```
use_font(id, css_path, selector = "body", css = NULL)
```

Arguments

id	Id of the font downloaded.
css_path	Path to CSS generated by setup_font.
selector	CSS selector for which to use the font, usually an HTML tag, default to "body" (all document).
css	CSS variables needed to use font, normally this should be automatic.

Value

an HTML tag with an HTML dependency (htmlDependency).

Examples

```
if (interactive()) {
  library(gfonts)

  # Here we use a temp directory
  # but in Shiny, it can be www/ folder
  directory <- tempfile()
  dir.create(directory)

  # Setup a font (only needed once)
  setup_font(
    id = "dancing-script",
    output_dir = directory
  )

  library(shiny)

  ui <- fluidPage(

    # Use font
    use_font(
      id = "dancing-script",
      css_path = file.path(directory, "css/dancing-script.css")
    ),

    tags$p(
      paste(letters, collapse = "")
    ),
    tags$p(
      paste(LETTERS, collapse = "")
    ),
    tags$p(
      style = "font-weight: bold;",
      paste(letters, collapse = "")
    ),
    tags$p(
      style = "font-weight: bold;",
      paste(LETTERS, collapse = "")
    ),
    tags$p(
      style = "font-style: italic;",
      paste(letters, collapse = "")
    ),
    tags$p(
      style = "font-style: italic;",
      paste(LETTERS, collapse = "")
    ),
    tags$h1("First level title"),
    tags$h2("Second level title"),
    tags$h3("Third level title"),
    tags$h4("Fourth level title"),
```

```
    tags$h5("Fifth level title"),
    tags$h6("Sixth level title")
  )

  server <- function(input, output, session) {

  }
  shinyApp(ui, server)
}
```

---

use_pkg_gfont *Use a Google Font included in gfonts*

Description

For convenience, some fonts are included in the package, you can use them without having to download them, but only few variants are available.

Usage

```
use_pkg_gfont(
 font = c("roboto", "open-sans", "lato", "montserrat", "alegreya", "nunito-sans",
    "baloo", "happy-monkey", "henny-penny", "poppins", "oswald"),
  selector = "body"
)
```

Arguments

font	Name of the font to use, possible choices are: "roboto", "open-sans", "lato", "montserrat", "alegreya", "nunito-sans", "baloo", "happy-monkey", "henny-penny".
selector	CSS selector for which to use the font, usually an HTML tag, default to "body" (all document).

Value

An HTML tag with an htmlDependency.

Examples

```
if (interactive()) {

  library(gfonts)
  library(htmltools)

  browsable(tags$div(
    use_pkg_gfont("open-sans"),
    tag_example(),
    tags$h1("First level title"),
    tags$h2("Second level title"),
    tags$h3("Third level title"),
    tags$h4("Fourth level title"),
    tags$h5("Fifth level title"),
    tags$h6("Sixth level title")
  ))


  browsable(tags$div(
    use_pkg_gfont("henny-penny"),
    tag_example(),
    tags$h1("First level title"),
    tags$h2("Second level title"),
    tags$h3("Third level title"),
    tags$h4("Fourth level title"),
    tags$h5("Fifth level title"),
    tags$h6("Sixth level title")
  ))

}
```

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