

Package ‘condensr’

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Title Academic Group Website Generator

Version 1.0.0

Description Helps automate 'Quarto' website creation for small academic groups. Builds a database-like structure of people, projects and publications, linking them together with a string-based ID system. Then, provides functions to automate production of clean markdown for these structures, and in-built CSS formatting using CSS flexbox.

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Encoding UTF-8

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Imports assertthat, fs, glue, whisker

Suggests testthat (>= 3.0.0)

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URL <http://www.michaellydeamore.com/condensr/>

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 create_staff_member_page

Create a quarto file for a specific staff member

Description

Creates a quarto file for a given input staff member.

Usage

```
create_staff_member_page(staff_member, site_dir, staff_folder = "staff")
```

Arguments

staff_member	An object of class staff_member that will be used to generate the template.
site_dir	Directory of the website.
staff_folder	Subfolder in which the staff qmd files are stored. Default "staff". Note that each template will be index.qmd to facilitate pretty link formatting in-browser.

Value

No return value, called to create a qmd file for the staff member.

Examples

```
example_staff_member <- staff_member(
  id = "example-id",
  name = "Example Name",
  description = "Example description for example staff member.",
  external_link = "http://www.example.com/",
  internal_link = FALSE
)
create_staff_member_page(example_staff_member, tempdir())
```

 create_website

Create the templates for a condensr website

Description

Creates the necessary directories, high level files and structures for a condensr website.

Usage

```
create_website(dir, title)
```

Arguments

dir	Target directory for the website.
title	Title of the website.

Details

Under the hood, this function is creating a distill website (using `distill::do_create_website`), and then overwriting some files with `condensr` specifics. These specific files are:

- `_site.yml` - for site specific configurations
- `index.qmd` - the home page of the website
- `staff_list.R` - an example setup the `condensr` staff, project and publication lists
- `staff/index.qmd` - the template page that will list staff members
- `staff/joe-bloggs/index.qmd` - an example page for the hypothetical staff member

Value

No return value, called to create the skeleton structure of the website.

Examples

```
create_website(dir = tempdir(), "test_site")
```

```
generate_markdown_for_member
```

Generate markdown for staff member

Description

Generates the image, short description and linking-out buttons for use in a list of staff belonging to a group.

Usage

```
generate_markdown_for_member(member, extension = "png")
```

Arguments

member	An object of class <code>staff_member</code> .
extension	Extension of the image file. Don't include the <code>.</code>

Value

No return value, function will output text directly into markdown document using `cat`.

Examples

```
example_staff_member <- staff_member(  
  id = "example-id",  
  name = "Example Name",  
  description = "Example description for example staff member.",  
  external_link = "http://www.example.com/",  
  internal_link = FALSE  
)  
generate_markdown_for_member(example_staff_member)
```

```
generate_markdown_for_projects  
  Generate markdown for projects
```

Description

Generate markdown block for codensr projects.

Usage

```
generate_markdown_for_projects(project)
```

Arguments

`project` A condensr project object. If a link is available (i.e. `!is.na(project$link)`), then a hyperlink will be inserted.

Value

No return value, function will output text directly into markdown document using `cat`.

Examples

```
example_project <- project(  
  id = "joes-model",  
  name = "Joe's Blogging Model",  
  related_staff = "joe-bloggs"  
)  
generate_markdown_for_projects(example_project)
```

generate_markdown_for_publications
Generate markdown for publications

Description

Generate markdown block for codensr publications.

Usage

```
generate_markdown_for_publications(publication)
```

Arguments

publication A condensr publication object. If a link is available (i.e. !is.na(publication\$link)), then a hyperlink will be inserted.

Value

No return value, function will output text directly into markdown document using cat.

Examples

```
example_publication <- publication(  
  title = "Joe's Blogging Paper",  
  related_staff = c("joe-bloggs"),  
  link = NA,  
  citation = "Bloggs, J., Bloggy, Y. (2019),  
    The power of blogging, Australian Journal of Bloggs, 43: 149-155.",  
  date = as.Date("2019-01-01")  
)  
generate_markdown_for_publications(example_publication)
```

project *Generate Academic Project*

Description

Generates an academic project to be listed on staff profiles

Usage

```
project(id, name, related_staff, link = NA)
```

Arguments

id	A character string that uniquely identifies this project.
name	Human readable name for the project.
related_staff	Vector of ids for staff members. Projects will be listed on the staff pages for this vector
link	URL for the project. Default NA if there is no page to link to.

Value

An object of class project containing the input information.

Examples

```
example_project <- project(
  id = "joes-model",
  name = "Joe's Blogging Model",
  related_staff = "joe-bloggs"
)
```

publication	<i>Generate publication</i>
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Description

Generates a publication object that is linked from staff websites

Usage

```
publication(title, related_staff, link, citation, date)
```

Arguments

title	Title of the publication.
related_staff	Vector of the ids of the related staff.
link	URL of the publication that will be linked.
citation	Text that will be displayed for this publication.
date	Date of publication. List of publications is sorted on the staff pages.

Value

An object of class publication with 5 elements:

- title
- related_staff
- link
- citation
- date

Examples

```
example_publication <- publication(  
  title = "Joe's Blogging Paper",  
  related_staff = c("joe-bloggs"),  
  link = NA,  
  citation = "Bloggs, J., Bloggy, Y. (2019),  
    The power of blogging, Australian Journal of Bloggs, 43: 149-155.",  
  date = as.Date("2019-01-01")  
)
```

render_template	<i>Copy Rmd template to target path</i>
-----------------	---

Description

Copies a file from the rmarkdown/templates folder to a target path

Usage

```
render_template(  
  file,  
  template_folder,  
  target_path,  
  output_name = NA,  
  data = list()  
)
```

Arguments

file	File name to copy.
template_folder	Folder name of file.
target_path	Path to copy to.
output_name	Name of copies file. If NA, name will be the same as input file name.
data	List of additional metadata. Must have at least element name and title.

sort_list_by_date	<i>Sort a list by the list element date.</i>
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Description

Sorts a list for the column date.

Usage

```
sort_list_by_date(list_to_sort)
```

Arguments

list_to_sort	List to sort. Each element of the list must have column date.
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Value

The sorted list.

staff_member	<i>Create staff member</i>
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Description

Creates a staff member for use in an academic group website. On the list of all staff members (by default in `staff_list.Rmd`), the name and description will be reported. In addition, an image, stored in `images/staff` with filename `id.png` will be shown.

Usage

```
staff_member(  
  id,  
  name,  
  description,  
  external_link,  
  internal_link = FALSE,  
  email = NA  
)
```

Arguments

id	String defining the unique identifier for a staff member.
name	Display name of staff member.
description	Short description, used on staff pages.
external_link	Link to an external website.
internal_link	Should an internal link be used? TRUE/FALSE
email	email address for the staff member. Used to pre-fill the templates.

Details

The external link will be the link in the "MORE" button on the rendered website.

Value

An object of class `staff_member` with the following elements:

- `id`
- `name`
- `description`
- `external_link`
- `internal_link`
- `email`

Examples

```
example_staff_member <- staff_member(  
  id = "example-id",  
  name = "Example Name",  
  description = "Example description for example staff member.",  
  external_link = "http://www.example.com/",  
  internal_link = FALSE  
)
```

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