

Package: condensr (via r-universe)

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Title Academic Group Website Generator

Version 1.0.0.9000

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

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.3

Imports assertthat, fs, glue, whisker

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

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

Repository <https://mikelydeamore.r-universe.dev>

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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 | <i>Create the templates for a condensr website</i> |
|----------------|--|

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 staff_member. |
| extension | Extension of the image file. Don't include the . |

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 condensr 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 | <i>Generate Academic Project</i> |
|---------|----------------------------------|

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> |
|-------------|-----------------------------|

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> |
|-------------------|--|

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. |
|--------------|---|

Value

The sorted list.

| | |
|--------------|----------------------------|
| staff_member | <i>Create staff member</i> |
|--------------|----------------------------|

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

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