

Package: learnitdashboard (via r-universe)

August 29, 2024

Type Package

Version 1.0.1

Title Shiny Dashboard for 'learnitr' Data

Description A dashboard to explore data generated by 'learnitr' code, such as the 'learnitdown', or the 'learnitgrid' R package. This is a lightweight learning analytics solution for the 'learnitr' ecosystem.

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Depends R (>= 4.2.0)

Imports bslib, config (>= 0.3.1), dplyr, DT, ggplot2, glue, golem (>= 0.3.2), lubridate, mongolite, plotly, shiny (>= 1.7.1), shinydashboard, shinydashboardPlus, shinyjs, shinyTime, stats, thematic, tidyr, timevis

Suggests knitr, rmarkdown, spelling, testthat (>= 3.0.0)

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URL <https://github.com/learnitr/learnitdashboard>,
<https://learnitr.github.io/learnitdashboard/>

BugReports <https://github.com/learnitr/learnitdashboard/issues>

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.3

VignetteBuilder knitr

Encoding UTF-8

Language en-US

ByteCompile yes

Config/testthat/edition 3

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

RemoteUrl <https://github.com/learnitr/learnitdashboard>

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| | |
|-------------|--------------------|
| get_modules | <i>Get Modules</i> |
|-------------|--------------------|

Description

Get a vector of module named by module and title from a selected course

Usage

```
get_modules(selected_course, modules_init, acad_year)
```

Arguments

| | |
|-----------------|--|
| selected_course | Selected course, can be "All" or specific. |
| modules_init | The table from which it gets the modules. |
| acad_year | The academic year of the users. |

Value

A vector of module name by module and title

Examples

```
# Need a reactive context and a MongoDB database
```

| | |
|-----------|------------------|
| get_users | <i>Get Users</i> |
|-----------|------------------|

Description

Get a vector of users_id named by logins and lastnames from a selected course and with enrolled only or everyone

Usage

```
get_users(selected_course, only_enrolled, users2_init, acad_year)
```

Arguments

| | |
|-----------------|--|
| selected_course | Selected course, can be "All" or specific. |
| only_enrolled | Only the enrolled users or everyone. |
| users2_init | The table from which it gets the users. |
| acad_year | The academic year of the users. |

Value

A vector of users_id name by logins and lastnames

Examples

```
# Need a reactive context and a MongoDB database
```

| | |
|------------|----------------------------|
| is_request | <i>is_request function</i> |
|------------|----------------------------|

Description

is_request function

Usage

```
is_request(input)
```

Arguments

| | |
|-------|--|
| input | The input to check if there is a request |
|-------|--|

Value

TRUE if there is a request about this input, FALSE if not

Examples

```
# Need a reactive context
```

```
prepare_content      Prepare Content
```

Description

Prepare a given dataframe's content with html tags, such as links or images, to be rendered in a timeline.

Usage

```
prepare_content(data_frame)
```

Arguments

`data_frame` data.frame on which prepare the content.

Value

A vector of html links.

Examples

```
# Need special data frame
```

```
prepare_request      Prepare Request
```

Description

Prepare the request to get data from MongoDB from chosen arguments and a vector containing different ones.

Usage

```
prepare_request(request_vector, args, type = NULL)
```

Arguments

`request_vector` Vector of prepared arguments from selected choices.
`args` Vector of selected arguments to use in the request.
`type` Type of table to query. Can be h5p, learnr or shiny.

Value

A string request with the chosen arguments.

Examples

```
rv <- c("color" = "red", "type" = "flower")
prepare_request(rv, "color")
```

prepare_style

Prepare Style

Description

Prepare a given data frame's css style, such as background-color, to be rendered in a timeline.

Usage

```
prepare_style(data_frame)
```

Arguments

data_frame data.frame on which prepare the content.

Value

A vector of css styles

Examples

```
# Need special data frame
```

prepare_url_alr_url

Prepare Url and Alt_Url

Description

Prepare the url and alt_url of a given dataframe, making them an html link.

Usage

```
prepare_url_alr_url(data_table)
```

Arguments

data_table The data frame from which the url and alt_url are prepared.

Value

The given data frame with the url and alt_url prepared as html link.

Examples

```
# Need a special data frame
```

```
progression_plot      Plot the Progression of the Students in the Data Science Exercises
```

Description

Plot the Progression of the Students in the Data Science Exercises

Usage

```
progression_plot(login, course, module = NULL, sdd_url)
```

Arguments

| | |
|---------|---|
| login | The student (GitHub) login. |
| course | The institutional identifier of the course, e.g., "S-BIOG-015". |
| module | The module to restrict to, or NULL for all modules in the course. |
| sdd_url | The URL to the SDD MongoDB database. |

Value

This function is used for its side-effect of plotting a chart comparing the student and the class progression.

Author(s)

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Examples

```
#progression_plot(<insert_login_here, "S-BIOG-015",  
# module = NULL, sdd_url = "mongodb://127.0.0.1:27017/sdd")
```

Description

Run the Shiny Application

Usage

```
run_app(  
  onStart = NULL,  
  options = list(),  
  enableBookmarking = NULL,  
  uiPattern = "/",  
  ...  
)
```

Arguments

| | |
|-------------------|---|
| onStart | A function that will be called before the app is actually run. This is only needed for shinyAppObj, since in the shinyAppDir case, a global .R file can be used for this purpose. |
| options | Named options that should be passed to the runApp call (these can be any of the following: "port", "launch.browser", "host", "quiet", "display.mode" and "test.mode"). You can also specify width and height parameters which provide a hint to the embedding environment about the ideal height/width for the app. |
| enableBookmarking | Can be one of "url", "server", or "disable". The default value, NULL, will respect the setting from any previous calls to enableBookmarking() . See enableBookmarking() for more information on bookmarking your app. |
| uiPattern | A regular expression that will be applied to each GET request to determine whether the ui should be used to handle the request. Note that the entire request path must match the regular expression in order for the match to be considered successful. |
| ... | arguments to pass to golem_opts. See <code>?golem::get_golem_options</code> for more details. |

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