

Package ‘shinytabconstructor’

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Type Package

Title Opinionated Shiny Structure

Version 0.1.2

Author McClelland Legge <McClelland.Kemp@iriworldwide.com> [aut, cre]

Maintainer <McClelland.Kemp@iriworldwide.com>

Description A package to structure and run shiny code in a way that makes it
comprehensible when codebases grow large

License MIT-2

Encoding UTF-8

LazyData true

Suggests testthat

Imports tools,
shiny,
shinydashboard,
purrr

RoxygenNote 6.0.1

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checkDuplicateTabNames	<i>Check the files against naming conventions</i>
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Description

Check the files against naming conventions

Usage

```
checkDuplicateTabNames(path = "ui/body/tabs/")
```

Arguments

path	Root path
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checkFileNamingConventions	<i>Check the naming conventions of the app files</i>
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Description

Check the naming conventions of the app files

Usage

```
checkFileNamingConventions(criteria = "[^a-z0-9_\\.\\/]")
```

Arguments

criteria	A regex expression to definite the allowable characters
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extractTabName	<i>Extract the tab name from the file name</i>
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Description

Extract the tab name from the file name

Usage

```
extractTabName(path)
```

Arguments

path	An .R or .yaml file path
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Value

A character string

Examples

```
extractTabName("a.dot.delimited.name.tabname.R")
```

filesInTreeStructure	<i>Determine a directory file structure</i>
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Description

Determine a directory file structure

Usage

```
filesInTreeStructure(file, pattern = NULL)
```

Arguments

file	The root directory or file
pattern	An optional pattern to filter out directories containing files

Value

A list

includeR	<i>Recursively source R scripts and return the values</i>
----------	---

Description

Recursively source R scripts and return the values

Usage

```
includeR(path, ...)
```

Arguments

path	A path to an R script
...	Additional argument to <code>list.files</code>

Value

A list if more than one file sourced, otherwise the value itself

makeMenu

*Make a menu from a configured hierarchical list***Description**

Make a menu from a configured hierarchical list

Usage

```
makeMenu(.list)
```

Arguments

`.list` A (possibly) nested list of the .yaml files defining a menu structure

Value

A list of html menu objects

menuItemList

*Create a menu item***Description**

Create a menu item

Usage

```
menuItemList(text, .list, icon = NULL, badgeLabel = NULL,
  badgeColor = "green", tabName = NULL, href = NULL, newtab = TRUE,
  selected = NULL, expandedName = as.character(gsub("[[:space:]]", "",
  text)), startExpanded = FALSE)
```

Arguments

<code>text</code>	Text to show for the menu item.
<code>.list</code>	An optional list of menuSubItems
<code>icon</code>	An icon tag, created by icon . If NULL, don't display an icon.
<code>badgeLabel</code>	A label for an optional badge. Usually a number or a short word like "new".
<code>badgeColor</code>	A color for the badge. Valid colors are listed in validColors .
<code>tabName</code>	The name of a tab that this menu item will activate. Not compatible with href.
<code>href</code>	An link address. Not compatible with tabName.
<code>newtab</code>	If href is supplied, should the link open in a new browser tab?
<code>selected</code>	If TRUE, this menuItem or menuSubItem will start selected. If no item have selected=TRUE, then the first menuItem will start selected.
<code>expandedName</code>	A unique name given to each menuItem that serves to indicate which one (if any) is currently expanded. (This is only applicable to menuItems that have children and it is mostly only useful for bookmarking state.)

startExpanded	Should this menuItem be expanded on app startup? (This is only applicable to menuItems that have children, and only one of these can be expanded at any given time).
id	For sidebarMenu, if id is present, this id will be used for a Shiny input value, and it will report which tab is selected. For example, if id="tabs", then input\$tabs will be the tabName of the currently-selected tab. If you want to be able to bookmark and restore the selected tab, an id is required.

Details

Exactly the same as [menuItem](#) except that the [menuSubItems](#) can be passed in a list. All creational credit to the maintainers of that package

tabItemList	<i>Form a tab structure from one or more tab items</i>
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Description

Form a tab structure from one or more tab items

Usage

```
tabItemList(items)
```

Arguments

items	One or more tabItem in a list
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Value

A html div

thisTabName	<i>Get name of tab based on file name</i>
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Description

Get name of tab based on file name

Usage

```
thisTabName()
```

Value

A character string or NULL

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