

Package ‘genTS’

May 8, 2026

Type Package

Title R Shiny App for Creating Simplified Trial Summary (TS) Domain

Version 0.1.4

Author Hanming Tu [aut, cre]

Maintainer Hanming Tu <hanming.tu@gmail.com>

Description Make it easy to create simplified trial summary (TS) domain based on FDA FDA guide

<https://github.com/TuCai/phuse/blob/master/inst/examples/07_genTS/www/Simplified_TS_Creation_Guide_v2.pdf>.

Depends R (>= 3.0.1)

License MIT + file LICENSE

Encoding UTF-8

RoxygenNote 7.2.1

Suggests testthat

Imports shiny, utils

NeedsCompilation no

Repository CRAN

Date/Publication 2022-08-27 21:10:02 UTC

Contents

echo_msg	2
is_empty	3
resolve	3
start_app	4

Index	6
--------------	----------

echo_msg

Echo message

Description

This method displays or writes the message based on debug level. The filehandler is provided through environment variable 'log_fn', and the outputs are written to the file. This method will display message or a hash array based on debug level ('d_level'). If 'd_level' is set to '0', no message or array will be displayed. If 'd_level' is set to '2', it will only display the message level (lvl) is less than or equal to '2'. If you call this method without providing a message level, the message level (lvl) is default to '0'. Of course, if no message is provided to the method, it will be quietly returned. If 'd_level' is set to '1', all the messages with default message level, i.e., 0, and '1' will be displayed. The higher level messages will not be displayed.

Usage

```
echo_msg(prg, step, msg, lvl = 0, fn = NULL)
```

Arguments

prg	program name calling from
step	step in the program
msg	the message to be displayed. No newline is needed in the end of the message. It will add the newline code at the end of the message.
lvl	the message level is assigned to the message. If it is higher than the debug level, then the message will not be displayed.
fn	log file name

Value

message

Author(s)

Hanming Tu

Examples

```
NULL;
```

`is_empty`*Check if a variable is na or null or space*

Description

check if string or list is empty (na, null or blank spaces).

Usage

```
is_empty(x)
```

Arguments

`x` a list or string

Value

true or false

Author(s)

Hanming Tu

Examples

```
is_empty(NULL);  
is_empty('');  
is_empty(NA);
```

`resolve`*Resolve absolute path*

Description

Resolve absolute directory

Usage

```
resolve(dir, relpath)
```

Arguments

`dir` directory
`relpath` relative path

Author(s)

Hanming Tu

Examples

```
resolve("/Users/htu/myRepo", "scripts")  
# get "/Users/htu/myRepo/scripts"
```

`start_app`*Start R Shiny app*

Description

start R Shiny apps included in this package.

Usage

```
start_app(  
  app_name = "07_genTS",  
  n = 1,  
  pkg = "genTS",  
  pt = NULL,  
  lb = getOption("shiny.launch.browser", interactive()),  
  ht = getOption("shiny.host", "127.0.0.1"),  
  dm = "normal",  
  msg_lvl = NULL,  
  loc = "local"  
)
```

Arguments

<code>app_name</code>	app or script name
<code>n</code>	app number
<code>pkg</code>	package name
<code>pt</code>	Port number
<code>lb</code>	define the browser- shiny.launch.browser
<code>ht</code>	define the host or ip address
<code>dm</code>	display modes are auto, normal or showcase
<code>msg_lvl</code>	message level
<code>loc</code>	location of the script: local github; default to 'local'

Author(s)

Hanming Tu

Examples

```
## Not run:  
  library(genTS)  
  start_app() # default to "02_display"  
  start_app(1) # start "01_html"  
  
## End(Not run)
```

Index

`echo_msg`, 2

`is_empty`, 3

`resolve`, 3

`start_app`, 4