

Package ‘ztype’

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Type Package

Title Run a Ztype Game Loaded with R Functions

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Description How fast can you type R functions on your keyboard? Find out by running a 'zty.pe' game: export R functions as instructions to type to destroy opponents vessels.

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LazyData TRUE

Imports magrittr, rvest, stats, stringr, utils, dplyr, ggplot2, lubridate, assertthat

RoxygenNote 5.0.1

NeedsCompilation no

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 gen_game

gen_game

Description

generate a ZType game by puhsing a set of levels on the website.

Usage

```
gen_game(set_of_levels, open = FALSE)
```

Arguments

set_of_levels the set of levels to use
 open boolean open browser

Examples

```
## Not run:
require(ztype)
require(magrittr)
c("dplyr", "ggplot2", "lubridate") %>% gen_set_of_words() %>%
gen_set_of_levels(10) %>%
gen_game() %>% browseURL()

## End(Not run)
```

 gen_set_of_levels

gen_set_of_levels

Description

generate a set of levels with increasing difficulty

Usage

```
gen_set_of_levels(set_of_words, nb = 25)
```

Arguments

set_of_words a sorted vector of the collection of words to use
 nb the number of levels to generate

Examples

```
require(ztype)
require(magrittr)
c("dplyr", "ggplot2", "lubridate") %>% gen_set_of_words() %>%
  gen_set_of_levels(10) %>% cat()
```

gen_set_of_words	<i>gen_set_of_words</i>
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Description

extracts all function names from a given list of packages

Usage

```
gen_set_of_words(packages)
```

Arguments

packages character vector. package(s) to parse and extract function names from

Value

a character vector

Examples

```
## Not run:
require(ztype)
require(magrittr)
c("dplyr", "ggplot2", "lubridate") %>% gen_set_of_words()

## End(Not run)
```

level	<i>level</i>
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Description

generates a collection of words to build a ZType game level

Usage

```
level(set_of_words, quantity, difficulty)
```

Arguments

`set_of_words` a sorted vector of the collection of words to use
`quantity` an integer the number of words to pick in
`difficulty` an integer reflecting the level's difficulty

Examples

```

require(ztype)
require(magrittr)
c("dplyr", "ggplot2", "lubridate") %>% gen_set_of_words() %>% level(10, 50)

```

ztype

ztype

Description

How fast can you type R functions on your keyboard? Find out by running a 'zty.pe' game: export R functions as instructions to type to destroy opponents vessels.

launch a ZType game using function names of R packages

Usage

```
ztype(packages = c("dplyr", "ggplot2", "lubridate"), nb = 25)
```

Arguments

`packages` a vector containing installed packages from which extract function names
`nb` number of levels to design in the ZType game

Examples

```

## Not run:
require(ztype)
require(magrittr)
ztype() # dplyr, ggplot2 and lubridate
c("lubridate") %>% ztype()

```

```
## End(Not run)
```

```

## Not run:
require(ztype)
require(magrittr)
ztype()# dplyr, ggplot2 and lubridate
c("lubridate") %>% ztype()

```

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End(Not run)

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