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

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Repository CRAN

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Description

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

Usage

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

Arguments

- `set_of_levels`: the set of levels to use.
- `open`: boolean to open browser.

Examples

```r
## 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_words

**Examples**

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

**Description**

extracts all function names from a given list of packages

**Usage**

```r
gen_set_of_words(packages)
```

**Arguments**

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

**Value**

a character vector

**Examples**

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

### level

**Description**

generates a collection of words to build a ZType game level

**Usage**

```r
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

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

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

```r
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

```r
## 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()

## End(Not run)
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