Package: runExamplesWrapper (via r-universe)

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Version 1.0

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Title Wrapper for 'run_examples()'

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Depends R (>= 4.2.0)

Imports devtools

Description Captures errors encountered when running 'run_examples()',
and processes and archives them. The function 'run_examples()'
within the 'devtools' package allows batch execution of all of
the examples within a given package. This is much more
convenient than testing each example manually. However, a major
inconvenience is that if an error is encountered, the program
stops and does not complete testing the remaining examples.
Also, there is not a systematic record of the results, namely
which package functions had no examples, which had examples
that failed, and which had examples that succeeded. The current
package provides the missing functionality.

License GPL (>= 2)

Encoding UTF-8

VignetteBuilder knitr

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

RoxygenNote 7.3.1

Config/testthat/edition 3

NeedsCompilation no

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Config/pak/sysreqs libfontconfig1-dev libfreetype6-dev libfribidi-dev
git make libharfbuzz-dev libgit2-dev libicu-dev libjpeg-dev
libpng-dev libtiff-dev libxml2-dev libssl-dev libx11-dev
zlib1g-dev

1

Repository https://barryzee.r-universe.dev

RemoteUrl https://github.com/cran/runExamplesWrapper

RemoteRef HEAD

RemoteSha d37ee34e5c6769860f8c603ae63bf164948ce051

Contents

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balanceCurly   *balanceCurly*

Description

retrieve lines of text between '@examples' and matching curly braces

Usage

```
balanceCurly(v)
```

Arguments

v   character vector

Value

returns lines of text between '@examples' and matching curly braces

Examples

```
v<-c("@examples{","xxx","}","{","{")
x<-balanceCurly(v)
cat(x,sep="\n")
```

---

parseRunExamples *parseRunExamples*

Description

retrieve the lines containing the function name within the run_examples() results output file

Usage

```
parseRunExamples(f)
```

Arguments

f   character string containing the path name of the run_examples() results output
             file

Value

returns a list of the lines containing the function name

Examples

```
## Not run:
# replace dir and pack with your own versions!!
# run this example within the RStudio Console for the package 'pack'
dir1<-"~/personal/hearts/hearts_card_game_bayesian_inference/packages/"
dir2<-"inference_packages/inference_packages/"
dir<-sprintf("%s/%s",dir1,dir2)
pack<-sprintf("%s/%s",dir,"cardUtils")
out<-"~/test.txt"
sink(out)
on.exit(sink())
try(run_examples(pack,run_donttest=TRUE,run_dontrun=TRUE,document=FALSE))
sink()
x<-parseRunExamples(out)

## End(Not run)
```

---

retrieveExamplesFromMan
                        retrieveExamplesFromMan

Description

retrieve the text of examples for man files

Usage

```
retrieveExamplesFromMan(package)
```

Arguments

package   character string full pathname for the package folder

Value

returns a list whose components are a list of examples text and a list of number of lines in each example text

Examples

```
## Not run:
# replace package with your own version!!
dir1<-"~/personal/hearts/hearts_card_game_bayesian_inference/packages/"
dir2<-"inference_packages/inference_packages/"
dir<-sprintf("%s/%s",dir1,dir2)
pack<-"cardUtils"
package<-sprintf("%s/%s",dir,pack)
l<-retrieveExamplesFromMan(package)

## End(Not run)
```

---

retrieveMan   *retrieveMan*

Description

retrieve the names of all man files

Usage

```
retrieveMan(package)
```

Arguments

package   character string full pathname for the package folder

Value

returns a list of the names of all man files

Examples

```
## Not run:
# replace package with your own version!!
dir1<-"~/personal/hearts/hearts_card_game_bayesian_inference/packages/"
dir2<-"inference_packages/inference_packages/"
dir<-sprintf("%s/%s",dir1,dir2)
pack<-"cardUtils"
package<-sprintf("%s/%s",dir,pack)
l<-retrieveMan(package)

## End(Not run)
```

RunExamples   *RunExamples*

Description

driver to automate run_examples() and retrieve the test results for each example

Usage

```
RunExamples(
  pack,
  run_donttest = TRUE,
  run_dontrun = TRUE,
  out = sprintf("%s/%s", tempdir(), "runExamplesOut.txt"),
  verbose = FALSE
)
```

Arguments

pack	character string containing the path name of the package directory
run_donttest	parameter to be passed to run_examples()
run_dontrun	parameter to be passed to run_examples()
out	character string containing the path name of the run_examples() results output file
verbose	Boolean if TRUE generate some diagnostic information

Value

returns a character vector specifying each function example as either "GOOD", "BAD", or "MIA"

Examples

```
## Not run:
# replace dir and pack with your own versions!!
# run this example within the RStudio Console for the package 'pack'
dir1<-"~/personal/hearts/hearts_card_game_bayesian_inference/packages/"
dir2<-"inference_packages/inference_packages/"
dir<-sprintf("%s/%s",dir1,dir2)
pack<-sprintf("%s/%s",dir,"cardUtils")
v<-RunExamples(pack,verbose=FALSE)

## End(Not run)
```

---

startExample   *startExample*

Description

parse the output file produced by RunExamples() to determine the next example to start the list provided to run_examples()

Usage

```
startExample(f, xnames)
```

Arguments

f	character string containing the path name of the run_examples() results output file
xnames	list of all the function names within the package

Value

returns a list whose components are

Examples

```
## Not run:
# replace dir and pack with your own versions!!
# run this example within the RStudio Console for the package 'pack'
dir1<-"~/personal/hearts/hearts_card_game_bayesian_inference/packages/"
dir2<-"inference_packages/inference_packages/"
dir<-sprintf("%s/%s",dir1,dir2)
load_all()
pack<-sprintf("%s/%s",dir,"cardUtils")
out<-sprintf("%s/%s",tempdir(),"runExamplesOut.txt")
l<-retrieveExamplesFromMan(pack)
xnames<-unlist(strsplit(sort(names(l$x)),".Rd"))
sink(out)
```

```
    on.exit(sink())
    suppressMessages(suppressWarnings(try(run_examples(pack))))
    sink()
    l1<-startExample(out,xnames)

## End(Not run)
```

Index