Package 'runExamplesWrapper'

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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 pro-
cesses and archives them. The function 'run_examples()' within the 'devtools' package al-
lows batch execution of all of the examples within a given package. This is much more conve-
nient than testing each example manually. However, a major inconvenience is that if an er-
ror is encountered, the program stops and does not complete testing the remaining exam-
ples. Also, there is not a systematic record of the results, namely which package func-
tions had no examples, which had examples that failed, and which had examples that suc-
ceeded. 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

Repository CRAN

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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)
```

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