Package 'HARtools'

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Title Read HTTP Archive ('HAR') Data

Version 0.0.5

Description The goal of 'HARtools' is to provide a simple set of functions to read/parse, write and visualise HTTP Archive ('HAR') files in R.

Depends R (>= 3.0.0)

Imports assertthat, magrittr, jsonlite, htmlwidgets, htmltools

Suggests testthat, covr, httr, shiny, knitr, rmarkdown

License GPL-3

Encoding UTF-8

LazyData true

URL https://johndharrison.github.io/HARtools/index.html

URLNote https://github.com/johndharrison/HARtools

BugReports https://github.com/johndharrison/HARtools/issues

RoxygenNote 5.0.1

VignetteBuilder knitr

NeedsCompilation no

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HARtools *HARtools*

Description

Tools for HAR's

HARviewer *View HAR object*

Description

Create a waterfall view of a HAR object

Usage

```
HARviewer(har, width = NULL, height = NULL, elementId = NULL)
```

Arguments

har	A parsed har object output from readHAR
width	Optional width of the HAR viewer
height	Optional height of the HAR viewer
elementId	Optional element id to assign to the HAR viewer

Value

Returns a createWidget object. A waterfall of the HAR using the PerfCascade JavaScript library.

Examples

```
## Not run:
har <- readHAR(system.file(package = "HARtools", "exdata",
                           "r-project.org.161028_W2_11MA.har"))
hv <- HARviewer(har)
# view in R
hv

# save and view
tFile <- tempfile(fileext = ".html")
htmlwidgets::saveWidget(hv,file = tFile)
browseURL(tFile)

## End(Not run)
```

HARviewer-shiny *Shiny bindings for HARviewer*

Description

Shiny bindings for HARviewer

Usage

```
HARviewerOutput(outputId, width = "100%", height = "400px")

renderHARviewer(expr, env = parent.frame(), quoted = FALSE)
```

Arguments

outputId	output variable to read from
width, height	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number, which will be coerced to a string and have 'px' appended. height will probably not have an effect; instead, use the height parameter in HARviewer.
expr	An expression that generates a HARviewer
env	The environment in which to evaluate expr.
quoted	Is expr a quoted expression (with quote())? This is useful if you want to save an expression in a variable.

Examples

```
## Not run:
library(shiny)
library(HARtools)
har <- readHAR(system.file(package = "HARtools", "exdata",
                           "r-project.org.161028_W2_11MA.har"))
hv <- HARviewer(har)

shinyApp(
  ui = fluidPage(
    HARviewerOutput("myHAR")
  ),
  server = function(input, output) {
    output$myHAR <- renderHARviewer(hv)
  }
)

## End(Not run)
```

readHAR *Read HAR objects*

Description

Read HAR objects

Usage

```
readHAR(har, ...)
```

Arguments

har	a string, list/URL or file containing JSON HAR data
...	addtional arguments

Value

returns a parsed HAR object

Examples

```
har <- readHAR(system.file(package = "HARtools",
                           "exdata", "google.com.har"))
```

writeHAR *Write HAR object to file*

Description

Write HAR object to file

Usage

```
writeHAR(har, file, force = TRUE, ...)
```

Arguments

har	A parsed har object output from readHAR
file	A string indicating the file name to write the HAR data to.
force	If the file exists overwrite it. Defaults to TRUE
...	addtional arguments

Examples

```
## Not run:
har1 <- readHAR(system.file(package = "HARtools",
                            "exdata", "google.com.har"))
harFile <- tempfile(fileext = ".har")
writeHAR(har1, harFile)
har2 <- readHAR(harFile)
identical(har1, har2)

## End(Not run)
```

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