Package 'faviconPlease'

August 10, 2023

Title Find the URL to the 'Favicon' for a Website

Version 0.1.3

Description Finds the URL to the 'favicon' for a website. This is useful if you
want to display the 'favicon' in an HTML document or web application,
especially if the website is behind a firewall.

URL <https://github.com/jdblischak/faviconPlease>

BugReports <https://github.com/jdblischak/faviconPlease/issues>

Imports utils, xml2

Suggests httr, tinytest (>= 1.0.0), ttdo

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Encoding UTF-8

RoxygenNote 7.2.3

NeedsCompilation no

Author John Blischak [aut, cre]

Maintainer John Blischak <jdblischak@gmail.com>

Repository CRAN

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R topics documented:

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faviconDuckDuckGo *Use DuckDuckGo's favicon service*

Description

The search engine DuckDuckGo includes site favicons in its search results, and it makes this service publicly available. If it can't find a favicon, it returns a default fallback. faviconPlease uses this as a fallback function if the favicon can't be found directly via the standard methods.

Usage

```
faviconDuckDuckGo(server)
```

Arguments

server   The name of the server, e.g. "www.r-project.org"

Value

Character vector

References

DuckDuckGo favicons privacy

See Also

faviconPlease, faviconGoogle

Examples

```
faviconDuckDuckGo("reactome.org")
```

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faviconGoogle *Use Google's favicon service*

Description

Use Google's favicon service

Usage

```
faviconGoogle(server)
```

Arguments

server	The name of the server, e.g. "www.r-project.org"

Value

Character vector

See Also

[faviconPlease](#), [faviconDuckDuckGo](#)

Examples

```
faviconGoogle("reactome.org")
```

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faviconIco	*Check for the existence of favicon.ico*

Description

Check for the existence of favicon.ico

Usage

```
faviconIco(
  scheme,
  server,
  path,
  method = getOption("download.file.method", default = "auto"),
  extra = getOption("download.file.extra"),
  headers = NULL
)
```

Arguments

scheme	"http" or "https"
server	The name of the server, e.g. "www.r-project.org"
path	The path to a target file on the server (must start with a forward slash)
method	Method to be used for downloading files. Current download methods are "internal", "libcurl", "wget", "curl" and "wininet" (Windows only), and there is a value "auto": see 'Details' and 'Note'.
	The method can also be set through the option "download.file.method": see [options](#)().
extra	character vector of additional command-line arguments for the "wget" and "curl" methods.

headers named character vector of additional HTTP headers to use in HTTP[S] requests. It is ignored for non-HTTP[S] URLs. The `User-Agent` header taken from the `HTTPUserAgent` option (see [`options`](#)) is automatically used as the first header.

Value

URL to `favicon.ico` or `""`.

See Also

[faviconPlease](#), [faviconLink](#)

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 faviconLink   *Search for a link element that specifies the location of the favicon*

Description

Search for a link element that specifies the location of the favicon

Usage

```
faviconLink(scheme, server, path)
```

Arguments

scheme "http" or "https"

server The name of the server, e.g. "www.r-project.org"

path The path to a target file on the server (must start with a forward slash)

Value

URL to favicon or `""`.

See Also

[faviconPlease](#), [faviconIco](#)

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faviconPlease   *Find the URL to a website's favicon*

Description

faviconPlease() first applies the favicon functions specified in the argument functions. If these do not find a favicon URL, then it applies the fallback function specified by the argument fallback.

Usage

```
faviconPlease(
  links,
  functions = list(faviconLink, faviconIco),
  fallback = faviconDuckDuckGo
)
```

Arguments

links	Character vector of URLs
functions	List of functions for finding URL to a website's favicon. They are tried in order until a URL is found. If no URL is found, the fallback is applied.
fallback	Either a function or a single character vector. It is applied when none of the supplied functions are able to find a favicon.

Value

Character vector with URLs to the favicons for the websites specified in the input argument links. The URLs are generated from one of the favicon functions specified in the input argument functions. If a favicon URL cannot be identified, then the returned URL is generated by the input argument fallback.

See Also

faviconLink, faviconIco, faviconDuckDuckGo, faviconGoogle

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