

Package ‘reactRouter’

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Type Package

Title 'React Router' for 'shiny' Apps and 'Quarto'

Version 0.1.1

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Description You can easily share url pages using 'React Router' in 'shiny' applications and 'Quarto' documents. The package wraps the 'react-router-dom' 'React' library and provides access to hash routing to navigate on multiple url pages.

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Encoding UTF-8

Depends R (>= 3.4)

Imports htmltools, shiny, shiny.react, checkmate, uuid

Suggests testthat (>= 3.0.0), chromote (>= 0.1.1.9001), shinytest2, knitr, rmarkdown

RoxygenNote 7.3.2

URL <https://felixluginbuhl.com/reactRouter/>

BugReports <https://github.com/lgnbhl/reactRouter/issues>

Config/testthat/edition 3

VignetteBuilder knitr

NeedsCompilation no

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<<https://reactrouter.com/>>)

Repository CRAN

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BrowserRouter	<i>BrowserRouter</i>
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Description

<https://reactrouter.com/6.30.0/router-components/browser-router>

Usage

BrowserRouter(...)

Arguments

... Props to pass to element.

Value

A BrowserRouter component.

HashRouter	<i>HashRouter</i>
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Description

<https://reactrouter.com/6.30.0/router-components/hash-router>

Usage

HashRouter(...)

Arguments

... Props to pass to element.

Value

A HashRouter component.

Link

Link

Description

The 'reloadDocument' can be used to skip client side routing and let the browser handle the transition normally (as if it were an <a href>). Given shiny behavior, using 'reloadDocument = TRUE' allows to render correctly objects created in the server side.

<https://reactrouter.com/6.30.0/components/link>

Usage

```
Link(..., reloadDocument = TRUE)
```

```
Link.shinyInput(inputId, ..., reloadDocument = TRUE)
```

```
updateLink.shinyInput(  
  session = shiny::getDefaultReactiveDomain(),  
  inputId,  
  ...  
)
```

Arguments

... Props to pass to element.

reloadDocument Boolean. Default TRUE. Let browser handle the transition normally

inputId ID of the component.

session Object passed as the 'session' argument to Shiny server.

Value

A Link component.

MemoryRouter

MemoryRouter

Description

<https://reactrouter.com/6.30.0/router-components/memory-router>

Usage

```
MemoryRouter(...)
```

Arguments

... Props to pass to element.

Value

A MemoryRouter component.

Navigate

Navigate

Description

<https://reactrouter.com/6.30.0/components/navigate>

Usage

```
Navigate(...)
```

Arguments

... Props to pass to element.

Value

A Navigate component.

 NavLink

NavLink

Description

The ‘reloadDocument’ can be used to skip client side routing and let the browser handle the transition normally (as if it were an <a href>). Given shiny behavior, using ‘reloadDocument = TRUE’ allows to render correctly objects created in the server side.

<https://reactrouter.com/6.30.0/components/nav-link>

Usage

```
NavLink(..., reloadDocument = TRUE)
```

```
NavLink.shinyInput(inputId, ..., reloadDocument = TRUE)
```

```
updateNavLink.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

...	Props to pass to element.
reloadDocument	Boolean. Default TRUE. Let browser handle the transition normally
inputId	ID of the component.
session	Object passed as the ‘session’ argument to Shiny server.

Value

A NavLink component.

 Outlet

Outlet

Description

<https://reactrouter.com/6.30.0/components/outlet>

Usage

```
Outlet(...)
```

Arguments

... Props to pass to element.

Value

A Outlet component.

reactRouterDependency *react-router-dom JS dependency*

Description

react-router-dom JS dependency

Usage

reactRouterDependency()

Value

HTML dependency object.

reactRouterExample *Run reactRouterExample example*

Description

Launch a Shiny example app or list the available examples. Use ‘reactRouter::reactRouterExample("basic")’ to run a showcase app.

Usage

reactRouterExample(example = NULL, ...)

Arguments

example The name of the example to run, or ‘NULL’ to retrieve the list of examples.
 ... Additional arguments to pass to ‘shiny::runApp()’.

Value

This function normally does not return; interrupt R to stop the application (usually by pressing Ctrl+C or Esc).

See Also

[shiny.blueprint::runExample()] which this function is an adaptation.

Route	<i>Route</i>
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Description

<https://reactrouter.com/6.30.0/components/route>

Usage

```
Route(..., element, key = uuid::UUIDgenerate())
```

Arguments

...	Props to pass to element.
element	element wrapped in a 'shiny::div()'.
key	By default uses a UUID key in the 'div()' of the 'element' arg.

Details

Internally the 'element' is wrapped in a 'shiny::div()' with a UUID key so, in case R shiny is used, shiny can differentiate each element.

Value

A Route component.

Routes	<i>Routes</i>
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Description

<https://reactrouter.com/6.30.0/components/routes>

Usage

```
Routes(...)
```

Arguments

...	Props to pass to element.
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Value

A Routes component.

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