



CHEAT SHEET

Perform common useful JavaScript operations in Shiny apps without any JS background

Before you start

useShinyjs(rmd, debug, html)

In order to use any shinyjs function in a Shiny app, you must first call useShinyjs() anywhere in the app's UI

rmd

Enable to use inside an interactive R markdown document

debug

Enable default debugging in JS console

html

Enable if your shiny app builds the entire user interface with a custom HTML file.

Interactive mode

runcode

Adds a text input to your app that lets you run arbitrary R code live. To enable, call runcodeUI() in the UI and runcodeServer() in serverFunction

Logs

showLog()

Print any JavaScript console.log() messages in the R console

logjs(text)

Print a message to the JavaScript console

Events

onevent(event, id, expr, add)

Run an R expression when an element is clicked. Use onclick() when handling mouse clicks and skip the event parameter

expr

R expression or function to run after the event is triggered

add

Enable if expr should run after previously defined onevent calls. Otherwise they are overwritten

CSS

addClass / removeClass / toggleClass

(id, class, selector, condition)

Adds or removes class from CSS element

class

The CSS class to add/remove

inlineCSS(rules)

Easily add inline CSS to a Shiny app.

rules

string with valid CSS code or list(selector = declarations) where declarations is a string or vector of declarations.



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State functions

enable / disable / toggleState (id, selector, condition)

Enable or disable an input element, such as a button or a text input

disabled(...)

Initialize Shiny input as disabled

...

Shiny input (or tagList or list of tags) to disable

reset(id)

Reset input widget to its original state.

id

The id of the input element or the id of an HTML tag with input elements

Custom JavaScript

runjs(code)

Run arbitrary JS code

extendShinyJS(script, text, functions)

Write your own JS functions and run them with shinyjs()

Visibility

show / show Element / hide / toggle /

toggleElement (id, anim, animType, time, selector)

Display element. Use showElement and toggleElement for S4 objects.

anim

if TRUE then animate the behaviour

animType

The type of animation, "slide" or "fade"

time

Animation length in seconds.

hidden(...)

Initialize a Shiny tag as invisible

...

Shiny input (or tagList or list of tags) to make invisible

Other

html(id, html, add, selector)

Change HTML of an element

html

HTML/text to place inside element

add

if TRUE then append html to the existing contents

alert / info (text)

show message to the user

delay(ms, expr)

Execute R code with a delay

ms

delay length in milliseconds

Common Parameters

id

The id of the element/Shiny tag

selector

JQuery selector. Ignored if the id argument is given

condition

When is the toggle action performed