

Package ‘conductor’

October 12, 2022

Type Package

Title Create Tours in 'Shiny' Apps Using 'Shepherd.js'

Version 0.1.1

Description Enable the use of 'Shepherd.js' to create tours in 'Shiny' applications.

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Encoding UTF-8

Imports htmltools, R6, shiny

Suggests shinytest2, testthat

RoxygenNote 7.2.1

URL <https://github.com/etiennebacher/conductor>

BugReports <https://github.com/etiennebacher/conductor/issues>

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

Date/Publication 2022-08-28 10:10:01 UTC

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Conductor

Create a "conductor" tour

Description

In addition to this page, you can also directly access the documentation of shepherd.js here: <https://shepherdjs.dev/docs/index.html>.

Methods

Public methods:

- `Conductor$new()`
- `Conductor$init()`
- `Conductor$start()`
- `Conductor$step()`
- `Conductor$updateStepOptions()`
- `Conductor$show()`
- `Conductor$remove()`
- `Conductor$moveNext()`
- `Conductor$moveBack()`
- `Conductor$cancel()`
- `Conductor$complete()`
- `Conductor$hide()`
- `Conductor$getCurrentStep()`
- `Conductor$getHighlightedElement()`
- `Conductor$isOpen()`
- `Conductor$isActive()`
- `Conductor$clone()`

Method `new()`:

Usage:

```
Conductor$new(  
  exitOnEsc = TRUE,  
  keyboardNavigation = TRUE,  
  useModalOverlay = TRUE,  
  classPrefix = NULL,  
  tourName = NULL,  
  stepsContainer = NULL,  
  modalContainer = NULL,  
  confirmCancel = FALSE,  
  confirmCancelMessage = NULL,  
  defaultStepOptions = NULL,  
  mathjax = FALSE,  
  progress = FALSE,
```

```

    onComplete = NULL,
    onCancel = NULL,
    onHide = NULL,
    onShow = NULL,
    onStart = NULL,
    onActive = NULL,
    onInactive = NULL
  )

```

Arguments:

`exitOnEsc` Allow closing the tour by pressing "Escape". Default is TRUE.

`keyboardNavigation` Allow navigating the tour with keyboard arrows. Default is TRUE.

`useModalOverlay` Highlight the tour popover and the element (if specified). Default is TRUE.

`classPrefix` Add a prefix to the classes of the tour. This allows having different CSS for each tour.

`tourName` An (optional) name to give to the tour.

`stepsContainer` An optional container element for the steps. If NULL (default), the steps will be appended to `document.body`.

`modalContainer` An optional container element for the modal. If NULL (default), the modal will be appended to `document.body`.

`confirmCancel` Ask confirmation to cancel the tour. Default is FALSE.

`confirmCancelMessage` Message in the popup that ask confirmation to close the tour (works only if `confirmCancel = TRUE`).

`defaultStepOptions` A nested list of options to apply to the entire tour. See Details.

`mathjax` Enable MathJax? Default is FALSE. This requires importing MathJax, for example with `shiny::withMathJax()`.

`progress` Show a step counter in each step? Default is FALSE.

`onComplete` A JavaScript code to run when the tour is completed.

`onCancel` A JavaScript code to run when the tour is cancelled.

`onHide` A JavaScript code to run when the tour is hidden.

`onShow` A JavaScript code to run when the tour is shown.

`onStart` A JavaScript code to run when the tour starts.

`onActive` A JavaScript code to run when the tour is active.

`onInactive` A JavaScript code to run when the tour is inactive.

Details: Create a new Conductor object.

Returns: A Conductor object.

Method `init()`:

Usage:

```
Conductor$init(session = NULL)
```

Arguments:

`session` A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Initialise Conductor.

Method start():*Usage:*`Conductor$start(session = NULL)`*Arguments:*

session A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Start Conductor.**Method** step():*Usage:*

```

Conductor$step(
  title = NULL,
  text = NULL,
  el = NULL,
  position = NULL,
  arrow = TRUE,
  tabId = NULL,
  tab = NULL,
  canClickTarget = TRUE,
  advanceOn = NULL,
  scrollTo = NULL,
  cancelIcon = NULL,
  showOn = NULL,
  id = NULL,
  buttons = NULL,
  classes = NULL,
  highlightClass = NULL,
  onComplete = NULL,
  onCancel = NULL,
  onHide = NULL,
  onShow = NULL
)

```

Arguments:

title Title of the popover.

text Text of the popover.

el The element to highlight. It can be an id (for example `#mynav`), a class (for instance `.navbar`), or a general tag (for example `button`). If NULL (default) or if the selector is not found, the popover will appear in the center of the page.

position Position of the popover relative to the element. Possible values are: `'auto'`, `'auto-start'`, `'auto-end'`, `'top'`, `'top-start'`, `'top-end'`, `'bottom'`, `'bottom-start'`, `'bottom-end'`, `'right'`, `'right-start'`, `'right-end'`, `'left'`, `'left-start'`, `'left-end'`.

arrow Add an arrow pointing towards the highlighted element. Default is TRUE.

tabId Id of the `tabsetPanel()`.

tab Name of the tab that contains the element.

canClickTarget Allow the highlighted element to be clicked. Default is TRUE.

- advanceOn** An action on the page which should advance the tour to the next step. It should be a list with a string selector and an event name.
- scrollTo** Should the element be scrolled to when this step is shown? Default is TRUE.
- cancelIcon** A list of two elements: **enabled** is a boolean indicating whether a "close" icon should be displayed (default is TRUE); **label** is the label to add for `aria-label`.
- showOn** Either a boolean or a JavaScript expression that returns true or false. It indicates whether the step should be displayed in the tour.
- id** Name of the step (optional).
- buttons** A list of lists. Each "sublist" contains the information for one button. There are six possible arguments for each button: **action** ("back" or "next"), **text** (name of the button), **secondary** (TRUE/FALSE), **disabled** (TRUE/FALSE), **label** (`aria-label` of the button), and **classes** (for finer CSS customization).
- classes** A character vector of extra classes to add to the step's content element.
- highlightClass** An extra class to apply to `e1` when it is highlighted. Only one extra class is accepted.
- onComplete** Some JavaScript code to run when the step is complete (only for the last step).
- onCancel** Some JavaScript code to run when the step is cancelled.
- onHide** Some JavaScript code to run when the step is hidden.
- onShow** Some JavaScript code to run when the step is shown.

Details: Add a step in a Conductor tour.

Method `updateStepOptions()`:

Usage:

```
Conductor$updateStepOptions(
  step = NULL,
  title = NULL,
  text = NULL,
  e1 = NULL,
  position = NULL,
  arrow = TRUE,
  tabId = NULL,
  tab = NULL,
  canClickTarget = TRUE,
  advanceOn = NULL,
  scrollTo = TRUE,
  cancelIcon = NULL,
  showOn = NULL,
  id = NULL,
  buttons = NULL,
  classes = NULL,
  highlightClass = NULL,
  session = NULL
)
```

Arguments:

- step** Id of the step (optional). If NULL (default), the current step is used.
- title** Title of the popover.

text Text of the popover.

el The element to highlight. It can be an id (for example #mynav), a class (for instance .navbar), or a general tag (for example button). If NULL (default) or if the selector is not found, the popover will appear in the center of the page.

position Position of the popover relative to the element. Possible values are: 'auto', 'auto-start', 'auto-end', 'top', 'top-start', 'top-end', 'bottom', 'bottom-start', 'bottom-end', 'right', 'right-start', 'right-end', 'left', 'left-start', 'left-end'.

arrow Add an arrow pointing towards the highlighted element. Default is TRUE.

tabId Id of the tabsetPanel().

tab Name of the tab that contains the element.

canClickTarget Allow the highlighted element to be clicked. Default is TRUE.

advanceOn An action on the page which should advance shepherd to the next step. It should be a list with a string selector and an event name.

scrollTo Should the element be scrolled to when this step is shown? Default is TRUE.

cancelIcon A list of two elements: enabled is a boolean indicating whether a "close" icon should be displayed (default is TRUE); label is the label to add for aria-label.

showOn Either a boolean or a JavaScript expression that returns true or false. It indicates whether the step should be displayed in the tour.

id Name of the step (optional).

buttons A list of lists. Each "sublist" contains the information for one button. There are six possible arguments for each button: action ("back" or "next"), text (name of the button), secondary (TRUE/FALSE), disabled (TRUE/FALSE), label (aria-label of the button), and classes (for finer CSS customization).

classes A character vector of extra classes to add to the step's content element.

highlightClass An extra class to apply to el when it is highlighted. Only one extra class is accepted.

session A valid Shiny session. If NULL (default), the function attempts to get the session with shiny::getDefaultReactiveDomain().

onShow Some JavaScript code to run when the step is shown.

onHide Some JavaScript code to run when the step is hidden.

onCancel Some JavaScript code to run when the step is cancelled.

onComplete Some JavaScript code to run when the step is complete (only for the last step).

Details: Modify the options of a specific step.

Method show():

Usage:

```
Conductor$show(step = NULL, session = NULL)
```

Arguments:

step Either the id of the step to show (defined in \$step()) or its number.

session A valid Shiny session. If NULL (default), the function attempts to get the session with shiny::getDefaultReactiveDomain().

Details: Show a specific step.

Method remove():

Usage:

```
Conductor$remove(step = NULL, session = NULL)
```

Arguments:

step A character vector with the id(s) of the step(s) to remove (defined in `$step()`).

session A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Remove specific step(s).

Method `moveNext()`:*Usage:*

```
Conductor$moveNext(session = NULL)
```

Arguments:

session A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Advances the tour to the next step.

Method `moveBack()`:*Usage:*

```
Conductor$moveBack(session = NULL)
```

Arguments:

session A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Shows the previous step.

Method `cancel()`:*Usage:*

```
Conductor$cancel(session = NULL)
```

Arguments:

session A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Cancels the tour.

Method `complete()`:*Usage:*

```
Conductor$complete(session = NULL)
```

Arguments:

session A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Completes the tour.

Method `hide()`:*Usage:*

`Conductor$hide(session = NULL)`

Arguments:

`session` A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Hides the current step.

Method `getCurrentStep()`:

Usage:

`Conductor$getCurrentStep(session = NULL)`

Arguments:

`session` A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Get the id of the current step. If no id was specified in `$step()`, a random id is generated.

Method `getHighlightedElement()`:

Usage:

`Conductor$getHighlightedElement(session = NULL)`

Arguments:

`session` A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Returns the id of the highlighted element of the current step. If this element has no id, it returns its class.

Method `isOpen()`:

Usage:

`Conductor$isOpen(step = NULL, session = NULL)`

Arguments:

`step` Id of the step (optional). If NULL (default), the current step is used.

`session` A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Returns a value TRUE or FALSE indicating whether the step is open.

Method `isActive()`:

Usage:

`Conductor$isActive(session = NULL)`

Arguments:

`session` A valid Shiny session. If NULL (default), the function attempts to get the session with `shiny::getDefaultReactiveDomain()`.

Details: Returns a value TRUE or FALSE indicating whether the tour is active.

Method `clone()`: The objects of this class are cloneable with this method.

Usage:

`Conductor$clone(deep = FALSE)`

Arguments:

`deep` Whether to make a deep clone.

useConductor	<i>Dependencies</i>
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Description

Include dependencies, place anywhere in the shiny UI.

Usage

```
useConductor()  
use_conductor()
```

Examples

```
library(shiny)  
library(conductor)  
  
ui <- fluidPage(  
  useConductor()  
  # also works:  
  # use_conductor()  
)  
  
server <- function(input, output){}  
  
if(interactive()) shinyApp(ui, server)
```

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