

# Package ‘NestedMenu’

August 14, 2022

**Type** Package

**Title** A Nested Menu Widget for 'Shiny' Applications

**Version** 0.1.0

**Description** Provides a nested menu widget for usage in 'Shiny' applications. This is useful for hierarchical choices (e.g. continent, country, city).

**License** GPL-3

**URL** <https://github.com/stla/NestedMenu>

**BugReports** <https://github.com/stla/NestedMenu/issues>

**Imports** fontawesome, htmltools, htmlwidgets, jquerylib, shiny

**Encoding** UTF-8

**RoxygenNote** 7.2.1

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2022-08-14 07:40:08 UTC

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NestedMenu	<i>'Nested menu' widget</i>
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**Description**

'Nested menu' HTML widget.

**Usage**

```
NestedMenu(
  label,
  items,
  trigger = "left",
  style = "primary",
  size = NULL,
  elementId = NULL
)
```

**Arguments**

label	the label of the root button
items	list of items for the nested menu; see the <a href="#">Shiny example</a>
trigger	the way the menu is triggered: "left" to trigger on a left-click, "right" to trigger on a right-click, "hover" to trigger on hover
style	a Bootstrap style for the root button: "primary", "info", "success", "warning" or "danger"
size	size of the root button: NULL (normal), "lg" (large), "sm" (small) or "xs" (extra-small)
elementId	a HTML id; this is usually useless

**Value**

A htmlwidget object.

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NestedMenu-shiny	<i>Shiny bindings for 'NestedMenu'</i>
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**Description**

Output and render functions for using 'NestedMenu' within Shiny applications and interactive Rmd documents.

## Usage

```
NestedMenuOutput(outputId, width = "100%", height = "auto")  
  
renderNestedMenu(expr, env = parent.frame(), quoted = FALSE)
```

## Arguments

outputId	output variable to read from
width, height	dimensions; must be valid CSS measurements (like "100%", "400px", "auto")
expr	an expression that generates a nested menu (with <a href="#">NestedMenu</a> )
env	the environment in which to evaluate expr.
quoted	Boolean, whether expr is a quoted expression

## Value

`NestedMenuOutput` returns an output element that can be included in a Shiny UI definition, and `renderNestedMenu` returns a `shiny.render.function` object that can be included in a Shiny server definition.

## Shiny value

If the `outputId` is called "ID" for example, then the value of the clicked leaf item is available in the Shiny server in the reactive variable `input[["ID"]]`.

## Examples

```
library(NestedMenu)  
library(shiny)  
  
cities <- list(  
  europe = list(  
    name = "Europe",  
    items = list(  
      france = list(  
        name = "France",  
        icon = "fa-cheese",  
        items = list(  
          paris = list(name = "Paris"),  
          lyon = list(name = "Lyon")  
        )  
      ),  
    ),  
  italy = list(  
    name = "Italy",  
    icon = "fa-pizza-slice",  
    items = list(  
      roma = list(name = "Roma"),  
      milano = list(name = "Milano")  
    )  
  )  
)
```



```
    br(),
    verbatimTextOutput("clicked")
  )

server <- function(input, output, session){

  output[["menu"]] <- renderNestedMenu({
    NestedMenu(
      "Cities", items = cities
    )
  })

  output[["clicked"]] <- renderPrint({
    input[["menu"]]
  })

}

if(interactive()){
  shinyApp(ui, server)
}
```

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