Package ‘r2fireworks’

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Type Package
Title Enhance Your 'Rmarkdown' and 'shiny' Apps with Dazzling Fireworks Celebrations
Version 0.1.0
Maintainer Obinna Obianom <idonshayo@gmail.com>
Description Implementation of 'JQuery' [https://jquery.com] and 'CSS' styles to allow the display of fireworks on a document. Toolkit to easily incorporate celebratory splashes in 'Rmarkdown' and 'shiny' apps.
License MIT + file LICENSE
URL https://r2fireworks.obi.obianom.com/
BugReports https://github.com/oobianom/r2fireworks/issues
Depends R (> 3.6)
Imports utils, htmltools, shiny
Suggests rmarkdown, knitr
Encoding UTF-8
VignetteBuilder knitr
Language en-US
LazyData false
RoxygenNote 7.2.3
NeedsCompilation no
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Repository CRAN
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fireworkMessenger  

**Description**

Add or remove fireworks graphics from page
Add fireworks visuals to page
Remove fireworks visuals from page
Add fireworks visuals to Rmarkdown page

**Usage**

```r
fireworkMessenger(
  type,  
  duration = NULL,  
  speed = NULL,  
  particleCount = 30,  
  session = getDefaultReactiveDomain()
)
```

```r
showFireworks(
  speed = 1,  
  particleCount = 40,  
  session = getDefaultReactiveDomain()
)
```

```r
removeFireworks(session = getDefaultReactiveDomain())
```

```r
addRmdFireworks(speed = 1, particleCount = 40)
```

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>type of action e.g start, remove</td>
</tr>
<tr>
<td>duration</td>
<td>duration of fireworks outbursts</td>
</tr>
<tr>
<td>speed</td>
<td>speed of display of fireworks</td>
</tr>
<tr>
<td>particleCount</td>
<td>particle size of fireworks</td>
</tr>
<tr>
<td>session</td>
<td>session object from server</td>
</tr>
</tbody>
</table>

**Value**

inclusion or exclusion of fireworks from page
visible firework canvas on the page
removal of firework canvas from the page
addition of firework canvas on the page
Examples

# In R markdown documents
library(r2fireworks)
useFireworks()
addRmdFireworks(particleCount = 100, speed = 3)

Description
Calls to load fireworks to a page

Usage
useFireworks()

Value
scripts to load fireworks and trigger to start fireworks

Examples for r2fireworks
More examples and demo pages are located at this link - https://r2fireworks.obi.obianom.com.

Examples

# In shiny applications

if(interactive()){
# example 1: simple example with automatic start
library(shiny)
library(r2fireworks)

ui <- fluidPage(
    useFireworks(),
    shiny::tags$h1("Introducing r2fireworks"),
    shiny::tags$p("Celebrate 4th of July and my R package!!!")
)
server <- function(input, output, session) {
    # optional. start fireworks on load
    showFireworks(particleCount = 30)
}
}

shinyApp(ui, server)
# example 2: sample with start and stop buttons
library(shiny)
library(r2fireworks)

ui <- fluidPage(
  useFireworks(),
  shiny::tags$h1("Here is the starts"),
  shiny::tags$p("Celebrate 4th of July and my R package!!!"),
  actionButton("startFW","Show and Start Fireworks, with speed x1"),
  actionButton("startFWx4","Show and Start Fireworks, with speed x4"),
  actionButton("startFWspx4","Show Fireworks, with particle burst size 10000"),
  actionButton("stopFW","Remove Fireworks")
)

server <- function(input, output, session) {
  observeEvent(input$startFW,{
    showFireworks()
  })

  observeEvent(input$startFWx4,{
    showFireworks(speed = 4,particleCount = 50)
  })

  observeEvent(input$startFWspx4,{
    showFireworks(speed = 1,particleCount = 10000)
  })
  observeEvent(input$stopFW,{
    removeFireworks()
  })
}

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