Package: shinykanban (via r-universe)

March 5, 2025

Title Create Kanban Board in Shiny Applications

Version 0.0.1

Description Provides an interactive Kanban board widget for 'shiny' applications. It allows users to manage tasks using a drag-and-drop interface and offers customizable styling options. 'shinykanban' is ideal for project management, task tracking, and agile workflows within 'shiny' apps.

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URL https://github.com/ugurdar/shinykanban

BugReports https://github.com/ugurdar/shinykanban/issues

Encoding UTF-8

RoxygenNote 7.3.2

Imports htmlwidgets, reactR, shiny, bsicons, htmltools

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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Config/pak/sysreqs make zlib1g-dev

Contents

getSelectedCard *Get the Selected Card Data*

Description

Retrieves the details of a card that was clicked on the Kanban board.

Usage

```
getSelectedCard(outputId, session = NULL)
```

Arguments

outputId	A character string specifying the ID of the Kanban output.
session	The Shiny session object.

Value

A list with the selected card's details as a list (listName, title, id, position, clickCount)

kanban *Create a Kanban Board Widget*

Description

This function creates an interactive Kanban board as an HTML widget.

Usage

```
kanban(
  data,
  styleOptions = list(headerBg = "#fff", headerBgHover = "#fff", headerColor = "#353535",
   headerFontSize = "1rem", listNameFontSize = "1rem", cardTitleFontSize = "1rem",
   cardTitleFontWeight = 600, cardSubTitleFontSize = "0.8rem", cardSubTitleFontWeight =
   300, addCardBgColor = "#999", deleteList = list(backgroundColor = "#fff", color =
     "#353535", icon = bsicons::bs_icon("x"), size = "1rem"), deleteCard =
   list(backgroundColor = "#fff", color = "#353535", icon = bsicons::bs_icon("trash"),
     size = "1rem"), addButtonText = "Add",
      cancelButtonText = "Cancel",
     addCardButtonText = "Add Card", cancelCardButtonText = "Cancel"),
  width = NULL,
  height = NULL,
  elementId = NULL
)
```

Arguments

data	A named list representing the board data.
styleOptions	A named list of style options.
width, height	Optional widget dimensions.
elementId	DOM element ID.

Value

A kanban board.

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kanban-shiny *Shiny bindings for Kanban Board*

Description

Output and render functions for using Kanban Board within Shiny.

Usage

```
kanbanOutput(outputId, width = "100%", height = "400px")

renderKanban(expr, env = parent.frame(), quoted = FALSE)
```

Arguments

outputId	Output variable to read the value from
width, height	A valid CSS unit (like "100%", "400px", "auto") or a number, which will be coerced to a string and have "px" appended.
expr	An expression that generates kanban board with shinykanban::kanban()
env	The parent environment for the reactive expression.
quoted	If it is TRUE, then the quote()ed value of expr will be used when expr is evaluated.

Value

kanbanOutput() returns a kanban output element that can be included in a Shiny UI.

renderKanban() returns a kanban render function that can be assigned to a Shiny output slot.

Examples

```
if(interactive()){
library(shiny)
library(shinykanban)
library(bsicons)

ui <- fluidPage(
 kanbanOutput("kanban_board")
)

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

 kanban_data <- reactiveVal(
  list(
  "To Do" = list(
    name = "To Do",
    items = list(
     list(
       id = "task1",
       title = "Task 1",
       subtitle = "abc"
     ),
      list(
       id = "task2",
       title = "Task 2"
      )
   ),
    listPosition = 1
   ),
  "In Progress" = list(
   name = "In Progress",
   items = list(
     list(
      id = "task3",
      title = "Task 3"
    )
   ),
     listPosition = 2
    )
   ))

 output$kanban_board <- renderKanban({
  kanban(data = kanban_data())
 })

 # Get any change from kanban and update the data
 observeEvent(input$kanban_board, {
 new_list <- input$kanban_board
 new_list$`_timestamp` <- NULL
    kanban_data(new_list)
 })
}
```

```
shinyApp(ui, server)
}
```

`updateKanban` *Update the data for a Kanban input on the client.*

Description

Update the data for a Kanban input on the client.

Usage

```
updateKanban(session, inputId, data)
```

Arguments

`session`	The Shiny session object.
`inputId`	The ID of the input object.
`data`	The data to set.

Value

None

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