

# Package ‘shinykanban’

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**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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|                 |                                   |
|-----------------|-----------------------------------|
| getSelectedCard | <i>Get the Selected Card Data</i> |
|-----------------|-----------------------------------|

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### 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)

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|        |                                     |
|--------|-------------------------------------|
| kanban | <i>Create a Kanban Board Widget</i> |
|--------|-------------------------------------|

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### 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 | <i>Shiny bindings for Kanban Board</i> |
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**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)
}
```

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

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**Description**

Update the data for a Kanban input on the client.

**Usage**

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

**Arguments**

|                      |                             |
|----------------------|-----------------------------|
| <code>session</code> | The Shiny session object.   |
| <code>inputId</code> | The ID of the input object. |
| <code>data</code>    | The data to set.            |

**Value**

None

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