

Package ‘shiny.blueprint’

May 9, 2026

Title Palantir's 'Blueprint' for 'Shiny' Apps

Version 0.3.0

Description Easily use 'Blueprint', the popular 'React' library from Palantir, in your 'Shiny' app. 'Blueprint' provides a rich set of UI components for creating visually appealing applications and is optimized for building complex, data-dense web interfaces. This package provides most components from the underlying library, as well as special wrappers for some components to make it easy to use them in 'R' without writing 'JavaScript' code.

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Encoding UTF-8

RoxygenNote 7.3.1

VignetteBuilder knitr

Imports checkmate, htmltools, shiny, shiny.react (>= 0.4.0), utils

Suggests covr, knitr, lintr (>= 3.0.0), purrr, rcmdcheck, rmarkdown, shiny.router

NeedsCompilation no

Author Jakub Sobolewski [aut, cre],
Kamil Żyła [aut],
Filip Akkad [aut],
Filip Stachura [aut],
Paweł Chabros [aut],
Appsilon Sp. z o.o. [cph]

Maintainer Jakub Sobolewski <opensource+jakub.sobolewski@appsilon.com>

Repository CRAN

Date/Publication 2024-05-21 11:20:11 UTC

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Alert

Alert

Description

Documentation: <https://blueprintjs.com/docs/#core/components/alert>

Usage

```
Alert(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Button.shinyInput(
      inputId = ns("showAlert"),
      "Show alert"
    ),
    reactOutput(ns("alert"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    isOpen <- reactiveVal(FALSE)
    observeEvent(input$showAlert, isOpen(TRUE))
    observeEvent(input$closeAlert, isOpen(FALSE))

    output$alert <- renderReact({
      Alert(
        usePortal = FALSE,
        confirmButtonText = "Got it",
        isOpen = isOpen(),
        onClose = triggerEvent(ns("closeAlert")),
        p("Hello, it's me, your alert")
      )
    })
  })
}
```

```
    )
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Breadcrumbs

Breadcrumbs

Description

Documentation: <https://blueprintjs.com/docs/#core/components/breadcrumbs>

Usage

```
Breadcrumbs(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

items <- list(
  list(href = "/", icon = "folder-close", text = "Users"),
  list(href = "/", icon = "folder-close", text = "Janet"),
  list(icon = "document", text = "image.jpg")
)

ui <- function(id) {
  Breadcrumbs(items = items)
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Button	<i>Button</i>
--------	---------------

Description

Documentation: <https://blueprintjs.com/docs/#core/components/button>

Usage

```
Button(...)
```

```
Button.shinyInput(inputId, ...)
```

```
AnchorButton(...)
```

```
AnchorButton.shinyInput(inputId, ...)
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    textOutput(ns("clicks")),
    Button(
      onClick = triggerEvent(ns("click1")),
      icon = "refresh",
      "Refresh"
    ),
    Button.shinyInput(
      inputId = ns("click2"),
      rightIcon = "share",
      "Export"
    ),
    AnchorButton(
      onClick = triggerEvent(ns("click3")),
      intent = "primary",
      "OK"
    )
  )
}
```

```
    ),
    AnchorButton.shinyInput(
      inputId = ns("click4"),
      intent = "success",
      "Next"
    )
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    clicks <- reactiveVal(0)
    output$clicks <- renderText(paste("Clicks:", clicks()))
    observeEvent(input$click1, clicks(clicks() + 1))
    observeEvent(input$click2, clicks(clicks() + 1))
    observeEvent(input$click3, clicks(clicks() + 1))
    observeEvent(input$click4, clicks(clicks() + 1))
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

ButtonGroup

Button group

Description

Documentation: <https://blueprintjs.com/docs/#core/components/button-group>

Usage

```
ButtonGroup(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ButtonGroup(
    Button(icon = "database", "Queries"),
    Button(icon = "function", "Functions"),
  )
}
```

```
      AnchorButton(rightIcon = "caret-down", "Options")
    )
  }

  server <- function(id) {
    moduleServer(id, function(input, output, session) {})
  }

  if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Callout

Callout

Description

Documentation: <https://blueprintjs.com/docs/#core/components/callout>

Usage

```
Callout(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  Callout(
    title = "Visually important content",
    "The component is a simple wrapper around the CSS API",
    " that provides props for modifiers and optional title element.",
    " Any additional HTML props will be spread to the rendered ", Code("div"), " element."
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Card

Card

Description

Documentation: <https://blueprintjs.com/docs/#core/components/card>

Usage

```
Card(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  Card(
    interactive = TRUE,
    H5(tags$a(href = "#", "Analytical applications")),
    tags$p(
      "User interfaces that enable people to interact smoothly with data,",
      " ask better questions, and make better decisions."
    ),
    Button(text = "Explore products")
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Checkbox

Checkbox

Description

Documentation: <https://blueprintjs.com/docs/#core/components/checkbox>

Usage

```
Checkbox(...)
```

```
Checkbox.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

<code>...</code>	Component props and children. See the official Blueprint docs for details.
<code>inputId</code>	The input slot that will be used to access the value.
<code>value</code>	Initial value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

setInput <- function(inputId, accessor = NULL) {
  JS(paste0("x => Shiny.setInputValue('", inputId, "', x", accessor, ")"))
}

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Checkbox(
      onChange = setInput(ns("apples"), ".target.checked"),
      defaultChecked = TRUE,
      label = "Apples"
    ),
    Checkbox.shinyInput(
      inputId = ns("bananas"),
      value = TRUE,
      label = "Bananas"
    ),
    textOutput(ns("applesEnabled")),
    textOutput(ns("bananasEnabled"))
  )
}
```

```

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$applesEnabled <- renderText(paste("Apples:", deparse(input$apples)))
    output$bananasEnabled <- renderText(paste("Bananas:", deparse(input$bananas)))
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

Collapse

*Collapse***Description**

Documentation: <https://blueprintjs.com/docs/#core/components/collapse>

Usage

```
Collapse(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

logs <- Pre(
  "[11:53:30] Finished 'typescript-bundle-blueprint' after 769 ms\n",
  "[11:53:30] Starting 'typescript-typings-blueprint'...\n",
  "[11:53:30] Finished 'typescript-typings-blueprint' after 198 ms\n",
  "[11:53:30] write ./blueprint.css\n",
  "[11:53:30] Finished 'sass-compile-blueprint' after 2.84 s\n"
)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Button.shinyInput(ns("toggle"), "Toggle logs"),
    reactOutput(ns("ui"))
  )
}

```

```
server <- function(id) {
  moduleServer(id, function(input, output, session) {
    show <- reactiveVal(FALSE)
    observeEvent(input$toggle, show(!show()))
    output$ui <- renderReact({
      Collapse(isOpen = show(), logs)
    })
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

ControlGroup

Control group

Description

Documentation: <https://blueprintjs.com/docs/#core/components/control-group>

Usage

```
ControlGroup(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ControlGroup(
    HTMLSelect(options = rownames(mtcars)),
    InputGroup(placeholder = "Find car..."),
    Button(icon = "arrow-right"),
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Dialog

Dialog

Description

Documentation: <https://blueprintjs.com/docs/#core/components/dialog.dialog>

Usage

```
Dialog(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Button.shinyInput(
      inputId = ns("showDialog"),
      "Show dialog"
    ),
    reactOutput(ns("dialog"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    isOpen <- reactiveVal(FALSE)
    observeEvent(input$showDialog, isOpen(TRUE))
    observeEvent(input$closeDialog, isOpen(FALSE))

    output$dialog <- renderReact({
      Dialog(
        usePortal = FALSE,
        isOpen = isOpen(),
        onClose = triggerEvent(ns("closeDialog")),
        div(
          className = "bp5-dialog-body",
```

```

      H5("Analytical applications"),
      tags$p(
        "User interfaces that enable people to interact smoothly with data,",
        " ask better questions, and make better decisions."
      ),
      Button.shinyInput(
        inputId = ns("closeDialog"),
        "Close"
      )
    )
  )
})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

 Divider

Divider

Description

Documentation: <https://blueprintjs.com/docs/#core/components/divider>

Usage

```
Divider(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ButtonGroup(
    minimal = TRUE,
    Button(text = "File"),
    Button(text = "Edit"),
    Divider(),
    Button(text = "Create"),
    Button(text = "Delete"),
    Divider(),
  )
}

```

```
      Button(icon = "add"),
      Button(icon = "remove")
    )
  }

  server <- function(id) {
    moduleServer(id, function(input, output, session) {})
  }

  if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Drawer

Drawer

Description

Documentation: <https://blueprintjs.com/docs/#core/components/drawer>

Usage

```
Drawer(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Button.shinyInput(ns("hello"), "Say Hello", intent = "primary"),
    reactOutput(ns("ui"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    isOpen <- reactiveVal(FALSE)
    observeEvent(input$hello, isOpen(!isOpen()))
    observeEvent(input$dismissDrawer, isOpen(FALSE))
  })
}
```

```

output$ui <- renderReact({
  Drawer(
    isOpen = isOpen(),
    onClose = triggerEvent(ns("dismissDrawer")),
    usePortal = FALSE,
    title = "Hello",
    icon = "info-sign",
    div(
      class = "bp5-dialog-body",
      p("Lorem Ipsum is simply dummy text of the printing and typesetting industry.")
    )
  )
})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

EditableText

Editable text

Description

Documentation: <https://blueprintjs.com/docs/#core/components/editable-text>

Usage

```
EditableText(...)
```

```
EditableText.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
value	Initial value.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ns <- NS(id)

```

```

tagList(
  H2(EditableText(onChange = setInput(ns("header")))),
  EditableText.shinyInput(
    inputId = ns("body"),
    multiline = TRUE,
    minLines = 3, maxLines = 12
  ),
  textOutput(ns("headerValue")),
  textOutput(ns("bodyValue"))
)
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$headerValue <- renderText(paste("Header:", deparse(input$header)))
    output$bodyValue <- renderText(paste("Body:", deparse(input$body)))
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

FileInput

FileInput

Description

Documentation: <https://blueprintjs.com/docs/#core/components/file-input>

Usage

FileInput(...)

FileInput.shinyInput(inputId, ..., value = defaultValue)

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
value	Initial value.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

setInput <- function(inputId, accessor = NULL) {
  JS(paste0("x => Shiny.setInputValue('", inputId, "', x", accessor, ")"))
}

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Switch(
      onChange = setInput(ns("apples"), ".target.checked"),
      defaultChecked = TRUE,
      label = "Apples"
    ),
    Switch.shinyInput(
      inputId = ns("bananas"),
      value = TRUE,
      label = "Bananas"
    ),
    textOutput(ns("applesEnabled")),
    textOutput(ns("bananasEnabled"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$applesEnabled <- renderText(paste("Apples:", deparse(input$apples)))
    output$bananasEnabled <- renderText(paste("Bananas:", deparse(input$bananas)))
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

 FormGroup

Form group

Description

Documentation: <https://blueprintjs.com/docs/#core/components/form-group>

Usage

```
FormGroup(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  FormGroup(
    helperText = "Helper text with details...",
    label = "Label A",
    labelFor = "my-button",
    labelInfo = "(required)",
    inline = TRUE,
    Switch(
      defaultChecked = TRUE,
      label = "Apples"
    ),
    Switch(
      defaultChecked = TRUE,
      label = "Bananas"
    )
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

htmlElements

HTML elements

Description

Documentation: <https://blueprintjs.com/docs/#core/components/html>

Usage

H1(...)

H2(...)

H3(...)

H4(...)

H5(...)

H6(...)

Blockquote(...)

Code(...)

Pre(...)

OL(...)

UL(...)

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

See Also

Other HTML elements: [HTMLTable\(\)](#), [Label\(\)](#)

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  tagList(
    H1("H1"),
    H2("H2"),
    H3("H3"),
    H4("H4"),
    H5("H5"),
    H6("H6"),
    Blockquote("Blockquote"),
    Code("Code"),
    Label("Label"),
    Pre("Pre"),
    OL(tags$li("OL")),
    UL(tags$li("UL"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}
```

```
if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

HTMLSelect

HTML select

Description

Documentation: <https://blueprintjs.com/docs/#core/components/html-select>

Usage

```
HTMLSelect(...)
```

```
HTMLSelect.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
value	Initial value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

setInput <- function(inputId, accessor = NULL) {
  JS(paste0("x => Shiny.setInputValue('" , inputId, "', x", accessor, ")"))
}

options <- list(
  list(value = "a", label = "Apples"),
  list(value = "b", label = "Bananas"),
  list(value = "c", label = "Cherries")
)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    HTMLSelect(
      onChange = setInput(ns("choice1"), ".target.value"),
      options = options
    ),
    textOutput(ns("text1")),
  )
}
```

```
      br(),
      HTMLSelect.shinyInput(
        inputId = ns("choice2"),
        value = "b",
        options = options
      ),
      textOutput(ns("text2"))
    )
  }

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$text1 <- renderText(deparse(input$choice1))
    output$text2 <- renderText(deparse(input$choice2))
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

HTMLTable

HTML table

Description

Documentation: <https://blueprintjs.com/docs/#core/components/html-table>

Usage

```
HTMLTable(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

See Also

Other HTML elements: [Label\(\)](#), [htmlElements](#)

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  HTMLTable(
    tags$thead(
```

```

      tags$tr(tags$th("Project"), tags$th("Stack"), tags$th("Contributors"))
    ),
    tags$tbody(
      tags$tr(tags$td("Blueprint"), tags$td("JS React"), tags$td("268")),
      tags$tr(tags$td("TS"), tags$td("JSX"), tags$td("68")),
      tags$tr(tags$td("shiny.blueprint"), tags$td("R JS"), tags$td("2"))
    ),
    tags$tfoot(
      tags$tr(tags$td("Total", colSpan = 2), tags$td("1508"))
    )
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

 Icon

Icon

Description

Documentation: <https://blueprintjs.com/docs/#core/components/icon>

Usage

Icon(...)

Arguments

... Component props and children. See the official Blueprint docs for details.

Details

A list of available icons: <https://blueprintjs.com/docs/#icons>

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  tagList(
    Icon(icon = "cross"),

```

```

      Icon(icon = "globe", size = 20),
    )
  }

  server <- function(id) {
    moduleServer(id, function(input, output, session) {})
  }

  if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

 InputGroup

Input group

Description

Documentation: <https://blueprintjs.com/docs/#core/components/text-inputs.input-group>

Usage

```
InputGroup(...)
```

```
InputGroup.shinyInput(inputId, ..., value = defaultValue)
```

```
TextArea.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
value	Initial value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

setInput <- function(inputId, accessor = NULL) {
  JS(paste0("x => Shiny.setInputValue('", inputId, "', x", accessor, ")"))
}

ui <- function(id) {
  ns <- NS(id)
  div(
    style = "width: 20rem; display: grid; row-gap: 0.5rem",
    H4("Uncontrolled"),
  )
}

```

```

InputGroup(
  onChange = setInput(ns("uncontrolledInputGroup"), ".target.value"),
  disabled = FALSE,
  large = TRUE,
  leftIcon = "filter",
  placeholder = "Filter histogram...",
  rightElement = Spinner(intent = "primary", size = 20)
),
textOutput(ns("uncontrolledInputGroupOutput")),
H4("Controlled"),
InputGroup.shinyInput(
  inputId = ns("controlledInputGroup"),
  disabled = FALSE,
  large = FALSE,
  leftIcon = "home",
  placeholder = "Type something..."
),
textOutput(ns("controlledInputGroupOutput")),
reactOutput(ns("passwordExample")),
textOutput(ns("passwordOutput"))
)
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    output$uncontrolledInputGroupOutput <- renderText(input$uncontrolledInputGroup)
    output$controlledInputGroupOutput <- renderText(input$controlledInputGroup)

    isLocked <- reactiveVal(TRUE)

    observeEvent(input$toggleLock, isLocked(!isLocked()))
    output$passwordOutput <- renderText(input$passwordInput)

    output$passwordExample <- renderReact({
      lockButton <- Button.shinyInput(
        inputId = ns("toggleLock"),
        icon = ifelse(isLocked(), "lock", "unlock"),
        minimal = TRUE,
        intent = "warning"
      )
      InputGroup.shinyInput(
        inputId = ns("passwordInput"),
        disabled = FALSE,
        large = FALSE,
        rightElement = lockButton,
        placeholder = "Enter your password...",
        type = ifelse(isLocked(), "password", "text")
      )
    })
  })
}

```

```
if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Label

Label

Description

Documentation: <https://blueprintjs.com/docs/#core/components/label>

Usage

```
Label(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

See Also

Other HTML elements: [HTMLTable\(\)](#), [htmlElements](#)

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  Label(
    "Label",
    tags$input(class = "bp5-input")
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Menu

Menu

Description

Documentation: <https://blueprintjs.com/docs/#core/components/menu>

Usage

Menu(...)

MenuItem(...)

MenuDivider(...)

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  Menu(
    style = "max-width: 200px",
    className = "bp5-elevation-1",
    MenuDivider(title = "Edit"),
    MenuItem(icon = "cut", text = "Cut", label = "^X"),
    MenuItem(icon = "duplicate", text = "Copy", label = "^C"),
    MenuItem(icon = "clipboard", text = "Paste", label = "^V", disabled = TRUE),
    MenuDivider(title = "Text"),
    MenuItem(
      icon = "style", text = "Style",
      MenuItem(icon = "bold", text = "Bold"),
      MenuItem(icon = "italic", text = "Italic"),
      MenuItem(icon = "underline", text = "Underline")
    ),
    MenuItem(
      icon = "asterisk", text = "Miscellaneous",
      MenuItem(icon = "badge", text = "Badge"),
      MenuItem(icon = "book", text = "Long items will truncate when they reach max-width"),
      MenuItem(
        icon = "more", text = "Look in here for even more items",
        MenuItem(icon = "briefcase", text = "Briefcase"),
```

```

MenuItem(icon = "calculator", text = "Calculator"),
MenuItem(icon = "dollar", text = "Dollar"),
MenuItem(
  icon = "dot", text = "Shapes",
  MenuItem(icon = "full-circle", text = "Full circle"),
  MenuItem(icon = "heart", text = "Heart"),
  MenuItem(icon = "ring", text = "Ring"),
  MenuItem(icon = "square", text = "Square")
)
)
),
MenuDivider(),
MenuItem(
  icon = "cog", labelElement = Icon(icon = "share"),
  text = "Settings...", intent = "primary"
)
)
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

MultiSelect

*MultiSelect***Description**

Documentation: <https://blueprintjs.com/docs/#select/multi-select2>

Usage

```

MultiSelect(...)

MultiSelect.shinyInput(
  inputId,
  items,
  selected = NULL,
  ...,
  noResults = "No results."
)

```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
items	A list of options (character vector or list containing text and label entries)

selected	Initially selected item
noResults	Message when no results were found

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny)
library(shiny.blueprint)

top5Films <- list(
  list(text = "The Shawshank Redemption", label = 1994),
  list(text = "The Godfather", label = 1972),
  list(text = "The Godfather: Part II", label = 1974),
  list(text = "The Dark Knight", label = 2008),
  list(text = "12 Angry Men", label = 1957)
)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    H3("Multiselect"),
    MultiSelect.shinyInput(
      inputId = ns("multiselect"),
      items = paste("Option", LETTERS),
      selected = c("Option B", "Option E"),
      tagInputProps = list(
        tagProps = list(
          intent = "danger"
        )
      )
    ),
    uiOutput(ns("multiselect_output")),
    H3("Multiselect with labels"),
    MultiSelect.shinyInput(
      inputId = ns("multiselect_lab"),
      items = top5Films,
      selected = c("12 Angry Men", "The Godfather")
    ),
    uiOutput(ns("multiselect_lab_output"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$multiselect_output <- renderText({
      paste(
        purrr::map_chr(input$multiselect[[1]], ~ .x$text),
        collapse = ", "
      )
    })
  })
}
```

```

    })
    output$multiselect_lab_output <- renderText({
      paste(
        purrr::map_chr(input$multiselect_lab[[1]], ~ .x$text),
        collapse = ", "
      )
    })
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

MultiSlider

Multi slider

Description

Documentation: <https://blueprintjs.com/docs/#core/components/sliders.multi-slider>

Usage

MultiSlider(...)

MultiSlider.shinyInput(inputId, values, min = NULL, max = NULL, ...)

MultiSliderHandle(...)

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
values	Numeric vector or list containing value and other params passed to MultiSliderHandle
min	Minimal value of the slider
max	Maximum value of the slider

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny)
library(shiny.blueprint)

ui <- function(id) {
  ns <- NS(id)
  tagList(

```

```

reactOutput(ns("multiSlider")),
textOutput(ns("multiSliderOutput")),
MultiSlider.shinyInput(
  inputId = ns("multiSliderShiny"),
  values = c(3, 6, 9)
),
textOutput(ns("multiSliderShinyOutput")),
MultiSlider.shinyInput(
  inputId = ns("multiSliderShiny2"),
  values = list(
    list(value = 3, type = "start", intentBefore = "danger"),
    list(value = 8, type = "start", intentBefore = "warning"),
    list(value = 14, type = "end", intentAfter = "warning"),
    list(value = 17, type = "end", intentAfter = "warning")
  ),
  min = 0,
  max = 20,
  defaultTrackIntent = "success"
),
textOutput(ns("multiSliderShinyOutput2")),
)
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    thresholds <- reactiveValues(
      dangerStart = 3,
      warningStart = 8,
      warningEnd = 14,
      dangerEnd = 17
    )

    observeEvent(input$mutliSliderInput, {
      sliderValues <- sort(input$mutliSliderInput)
      thresholds$dangerStart <- sliderValues[1]
      thresholds$warningStart <- sliderValues[2]
      thresholds$warningEnd <- sliderValues[3]
      thresholds$dangerEnd <- sliderValues[4]
    })

    output$multiSlider <- renderReact({
      MultiSlider(
        defaultTrackIntent = "success",
        onChange = setInput(ns("mutliSliderInput")),
        stepSize = 1,
        min = 0,
        max = 20,
        MultiSliderHandle(
          type = "start",
          intentBefore = "danger",
          value = thresholds$dangerStart,

```

```

        interactionKind = "push"
      ),
      MultiSliderHandle(
        type = "start",
        intentBefore = "warning",
        value = thresholds$warningStart,
        interactionKind = "push"
      ),
      MultiSliderHandle(
        type = "end",
        intentAfter = "warning",
        value = thresholds$warningEnd,
        interactionKind = "push"
      ),
      MultiSliderHandle(
        type = "end",
        intentAfter = "danger",
        value = thresholds$dangerEnd,
        interactionKind = "push"
      )
    )
  })
  output$multiSliderOutput <- renderText(
    paste(
      thresholds$dangerStart,
      thresholds$warningStart,
      thresholds$warningEnd,
      thresholds$dangerEnd,
      sep = ", "
    )
  )
  output$multiSliderShinyOutput <- renderText(
    paste(input$multiSliderShiny, collapse = ", ")
  )
  output$multiSliderShinyOutput2 <- renderText(
    paste(input$multiSliderShiny2, collapse = ", ")
  )
})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

MultistepDialog

Multistep dialog

Description

Documentation: <https://blueprintjs.com/docs/#core/components/dialog.multistep-dialog>

Usage

```
MultistepDialog(...)
```

```
DialogStep(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Button.shinyInput(
      inputId = ns("showMultistepDialog"),
      "Show multistep dialog"
    ),
    reactOutput(ns("multistepDialog"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    isOpen <- reactiveVal(FALSE)
    observeEvent(input$showMultistepDialog, isOpen(TRUE))
    observeEvent(input$closeMultistepDialog, isOpen(FALSE))

    output$multistepDialog <- renderReact({
      MultistepDialog(
        usePortal = FALSE,
        isOpen = isOpen(),
        title = "Multistep dialog",
        onClose = triggerEvent(ns("closeMultistepDialog")),
        DialogStep(
          id = "step1",
          panel = div(
            className = "bp5-dialog-body",
            p("This is a step 1")
          ),
          title = "Step 1"
        ),
        DialogStep(
```

```
      id = "step2",
      panel = div(
        className = "bp5-dialog-body",
        p("This is a step 2")
      ),
      title = "Step 2"
    ),
    DialogStep(
      id = "step3",
      panel = div(
        className = "bp5-dialog-body",
        p("This is a step 3")
      ),
      title = "Step 3"
    )
  )
})
})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Navbar

Navbar

Description

Documentation: <https://blueprintjs.com/docs/#core/components/navbar>

Usage

Navbar(...)

NavbarGroup(...)

NavbarHeading(...)

NavbarDivider(...)

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  Navbar(
    NavbarGroup(
      NavbarHeading("Blueprint"),
      NavbarDivider(),
      Button(minimal = TRUE, icon = "home", text = "Home"),
      Button(minimal = TRUE, icon = "document", text = "Files")
    ),
    NavbarGroup(
      align = "right",
      Button(minimal = TRUE, icon = "user"),
      Button(minimal = TRUE, icon = "refresh")
    )
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

NonIdealState

Non-ideal state

Description

Documentation: <https://blueprintjs.com/docs/#core/components/non-ideal-state>

Usage

```
NonIdealState(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  NonIdealState(
    icon = "search",
    title = "No search results",
    description = Card(
      "Your search didn't match any files.",
      tags$br(),
      "Try searching for something else, or create a new file."
    ),
    action = Button(icon = "plus", text = "New file", intent = "primary", outlined = TRUE)
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

NumericInput

NumericInput

Description

Documentation: <https://blueprintjs.com/docs/#core/components/numeric-input>

Usage

```
NumericInput(...)
```

```
NumericInput.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
value	Initial value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny)
library(shiny.blueprint)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    NumericInput(
      onValueChange = setInput(ns("value1")),
      intent = "primary"
    ),
    textOutput(ns("value1Output")),
    NumericInput.shinyInput(
      inputId = ns("value2"),
      intent = "primary"
    ),
    textOutput(ns("value2Output"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$value1Output <- renderText(input$value1)
    output$value2Output <- renderText(input$value2)
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

OverflowList

Overflow list

Description

Documentation: <https://blueprintjs.com/docs/#core/components/overflow-list>

Usage

```
OverflowList(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

boxStyle <- tags$style("
  .box {
    margin: 0.5em;
    padding: 0.5em;
    background: silver;
    font-size: 4em;
  }
")

items <- lapply(
  list("Too", "many", "words", "to", "fit", "on", "your", "screen!"),
  function(text) div(text, class = "box")
)

ui <- function(id) {
  tagList(
    boxStyle,
    OverflowList(
      items = items,
      visibleItemRenderer = JS("item => item"),
      overflowRenderer = JS("items => null"),
      collapseFrom = "end"
    )
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Overlay

Overlay

Description

Documentation: <https://blueprintjs.com/docs/#core/components/overlay>

Usage

```
Overlay(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Button.shinyInput(
      inputId = ns("showOverlay"),
      "Show overlay"
    ),
    reactOutput(ns("overlay"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    isOpen <- reactiveVal(FALSE)
    observeEvent(input$showOverlay, isOpen(TRUE))
    observeEvent(input$closeOverlay, isOpen(FALSE))

    output$overlay <- renderReact({
      Overlay(
        usePortal = FALSE,
        isOpen = isOpen(),
        onClose = triggerEvent(ns("closeOverlay")),
        Card(
          className = "bp5-elevation-4 bp5-dark bp5-overlay-content",
          interactive = TRUE,
          H5("Analytical applications"),
          tags$p(
            "User interfaces that enable people to interact smoothly with data,"
            " ask better questions, and make better decisions."
          ),
          Button.shinyInput(
            inputId = ns("closeOverlay"),
            "Close"
          )
        )
      )
    })
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

PanelStack	<i>Panel stack</i>
------------	--------------------

Description

Documentation: <https://blueprintjs.com/docs/#core/components/panel-stack2>

Usage

```
PanelStack(...)
```

```
PanelStack.shinyWrapper(panels, ns = "ps", size = c(300, 250), ...)
```

```
openPanel(panelId, ns = "ps")
```

```
closePanel(ns = "ps")
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
panels	List of lists - each list contains title (string) and content (HTML)
ns	Namespace of given panel stack (required if there's more than 1 panel stack)
size	Numeric vector of length 2 - c(width, height)
panelId	Id of the panel to be closed

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

customComponents <- tagList(
  tags$style("
    .panel-stack {
      border: 1px solid lightgrey;
      width: 300px;
      height: 240px;
    }
    .panel {
      position: absolute;
      top: 50%;
      left: 50%;
      transform: translate(-50%, -50%);
    }
  "),
```

```

tags$script(HTML("() => {
  const React = jsmodule['react'];
  const Blueprint = jsmodule['@blueprintjs/core'];

  function createPanel(num) {
    return {
      title: `Panel ${num}`,
      renderPanel: Panel,
      props: { num },
    };
  }

  function Panel({ num, openPanel }) {
    const button = React.createElement(
      Blueprint.Button,
      {
        onClick: () => openPanel(createPanel(num + 1)),
        intent: Blueprint.Intent.PRIMARY,
      },
      'Open Panel'
    )
    return React.createElement('div', { className: 'panel' }, button);
  }

  window.createPanel = createPanel;
})();")
)

ui <- function(id) {
  tagList(
    customComponents,
    PanelStack(
      className = "panel-stack",
      initialPanel = JS("createPanel(1)")
    ),
    PanelStack.shinyWrapper(
      panels = list(
        list(id = "panel1", title = "Panel 1", content = div(
          class = "panel",
          Button(text = "Open 2", onClick = openPanel("panel2")),
          Button(text = "Open 4", onClick = openPanel("panel4"))
        )),
        list(id = "panel2", title = "Panel 2", content = div(
          class = "panel",
          Button(text = "Open 3", onClick = openPanel("panel3")),
          Button(text = "Close", onClick = closePanel())
        )),
        list(id = "panel3", title = "Panel 3", content = div(
          class = "panel",
          Button(text = "Open 4", onClick = openPanel("panel4")),
          Button(text = "Close", onClick = closePanel())
        )),
        list(id = "panel4", title = "Panel 4", content = div(

```

```

      class = "panel",
      Button(text = "Close", onClick = closePanel())
    ))
  )
)
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

 Popover

Popover

Description

Documentation: <https://blueprintjs.com/docs/#core/components/popover>

Usage

```
Popover(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ns <- NS(id)
  reactOutput(ns("ui"))
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    isOpen <- reactiveVal(FALSE)
    observeEvent(input$hello, isOpen(TRUE))
    observeEvent(input$dismiss, isOpen(FALSE))
  })
}

```

```

output$ui <- renderReact({
  Popover(
    isOpen = isOpen(),
    Button.shinyInput(ns("hello"), "Say Hello", intent = "primary"),
    usePortal = FALSE,
    content = tags$div(
      style = "padding: 1em",
      H5("Hello!"),
      tags$p("Please read this message."),
      Button.shinyInput(ns("dismiss"), "Dismiss")
    )
  )
})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

ProgressBar

Progress bar

Description

Documentation: <https://blueprintjs.com/docs/#core/components/progress-bar>

Usage

```
ProgressBar(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ProgressBar(animate = TRUE)
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

```

```
if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Radio

Radio

Description

Documentation: <https://blueprintjs.com/docs/#core/components/radio>

Usage

```
Radio(...)
```

```
RadioGroup(...)
```

```
RadioGroup.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
value	Initial value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

setInput <- function(inputId, accessor = NULL) {
  JS(paste0("x => Shiny.setInputValue('', inputId, '', x", accessor, ")"))
}

ui <- function(id) {
  ns <- NS(id)
  tagList(
    H3("Favorite animal"),
    RadioGroup.shinyInput(
      inputId = ns("animal"),
      value = "dog",
      Radio(label = "Cat", value = "cat"),
      Radio(label = "Dog", value = "dog")
    ),
    textOutput(ns("favoriteAnimal")),
    H3("Favorite fruit"),
```

```

    reactOutput(ns("fruitRadio")),
    textOutput(ns("favoriteFruit"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    output$favoriteAnimal <- renderText(deparse(input$animal))

    fruit <- reactiveVal()
    observeEvent(input$fruit, fruit(input$fruit))
    output$fruitRadio <- renderReact({
      RadioGroup(
        onChange = setInput(ns("fruit"), ".currentTarget.value"),
        selectedValue = fruit(),
        Radio(label = "Apple", value = "a"),
        Radio(label = "Banana", value = "b"),
        Radio(label = "Cherry", value = "c")
      )
    })
    output$favoriteFruit <- renderText(deparse(fruit()))
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

RangeSlider

Range slider

Description

Documentation: <https://blueprintjs.com/docs/#core/components/sliders.range-slider>

Usage

```
RangeSlider(...)
```

```
RangeSlider.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
value	Initial value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny)
library(shiny.blueprint)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Slider.shinyInput(
      inputId = ns("value"),
      min = 0,
      max = 10,
      stepSize = 0.1,
      labelStepSize = 10
    ),
    textOutput(ns("valueOutput"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$valueOutput <- renderText(input$value)
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

ResizeSensor

Resize sensor

Description

Documentation: <https://blueprintjs.com/docs/#core/components/resize-sensor>

Usage

```
ResizeSensor(...)
```

```
ResizeSensor.shinyInput(inputId, ...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

inputId The input slot that will be used to access the value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny.blueprint)
library(shiny)

setInput <- function(inputId, accessor = NULL) {
  JS(paste0(
    "x => Shiny.setInputValue('" , inputId, "', x", accessor, ")"
  ))
}

printSize <- function(content) {
  paste0(content$width, "x", content$height)
}

ui <- function(id) {
  ns <- NS(id)
  tagList(
    tags$style("
      .resizable {
        overflow: auto;
        resize: both;
        width: 100px;
        height: 100px;
        background: silver;
      }
    "),
    ResizeSensor(
      onResize = setInput(ns("resize"), "[0].contentRect"),
      div(
        class = "resizable",
        textOutput(ns("size"))
      )
    ),
    ResizeSensor.shinyInput(
      inputId = ns("resizeSensor"),
      content = div(
        textOutput(ns("resizeSensorInput")),
        style = "
          border: 1px solid black;
          width: 100px;
        "
      )
    )
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$size <- renderText({
      content <- req(input$resize)
      printSize(content)
    })
  })
}

```

```

    output$resizeSensorInput <- renderText({
      content <- req(input$resizeSensor)
      printSize(content)
    })
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

runExample

*Run example***Description**

Launch a Shiny example app or list the available examples. Use `shiny.blueprint::runExample("showcase")` to run a showcase app with all the components.

Usage

```
runExample(example = NULL, ...)
```

Arguments

<code>example</code>	The name of the example to run, or NULL to retrieve the list of examples.
<code>...</code>	Additional arguments to pass to <code>shiny::runApp()</code> .

Value

This function normally does not return; interrupt R to stop the application (usually by pressing Ctrl+C or Esc).

Select

*Select***Description**

Documentation: <https://blueprintjs.com/docs/#select/select2>

Usage

```

Select(...)

Select.shinyInput(
  inputId,
  items,
  selected = NULL,
  ...,
  noResults = "No results."
)

```

Arguments

<code>...</code>	Component props and children. See the official Blueprint docs for details.
<code>inputId</code>	The input slot that will be used to access the value.
<code>items</code>	A list of options (character vector or list containing text and label entries)
<code>selected</code>	Initially selected item
<code>noResults</code>	Message when no results were found

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny)
library(shiny.blueprint)

top5Films <- list(
  list(text = "The Shawshank Redemption", label = 1994),
  list(text = "The Godfather", label = 1972),
  list(text = "The Godfather: Part II", label = 1974),
  list(text = "The Dark Knight", label = 2008),
  list(text = "12 Angry Men", label = 1957)
)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    H3("Select"),
    Select.shinyInput(
      inputId = ns("select"),
      items = paste("Option", LETTERS),
      selected = "Option C",
      noResults = "No options."
    ),
    uiOutput(ns("select_output")),
    H3("Select with labels"),
    Select.shinyInput(
      inputId = ns("select_lab"),
      items = top5Films,
      selected = "The Dark Knight"
    ),
    uiOutput(ns("select_lab_output"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$select_output <- renderText(input$select$text)
    output$select_lab_output <- renderText(input$select_lab$text)
  })
}
```

```

}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

Slider

Slider

Description

Documentation: <https://blueprintjs.com/docs/#core/components/sliders.slider>

Usage

```
Slider(...)
```

```
Slider.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

<code>...</code>	Component props and children. See the official Blueprint docs for details.
<code>inputId</code>	The input slot that will be used to access the value.
<code>value</code>	Initial value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```

library(shiny)
library(shiny.blueprint)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Slider.shinyInput(
      inputId = ns("value"),
      min = 0,
      max = 10,
      stepSize = 0.1,
      labelStepSize = 10
    ),
    textOutput(ns("valueOutput"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$valueOutput <- renderText(input$value)
  })
}

```

```
  })  
}  
  
if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Spinner

Spinner

Description

Documentation: <https://blueprintjs.com/docs/#core/components/spinner>

Usage

```
Spinner(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)  
library(shiny)  
  
ui <- function(id) {  
  Spinner(intent = "primary", size = 100)  
}  
  
server <- function(id) {  
  moduleServer(id, function(input, output, session) {})  
}  
  
if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Suggest

Suggest

Description

Documentation: <https://blueprintjs.com/docs/#select/suggest2>

Usage

```
Suggest(...)
```

```
Suggest.shinyInput(  
  inputId,  
  items,  
  selected = NULL,  
  ...,  
  noResults = "No results."  
)
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
items	A list of options (character vector or list containing text and label entries)
selected	Initially selected item
noResults	Message when no results were found

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny)  
library(shiny.blueprint)  
  
top5Films <- list(  
  list(text = "The Shawshank Redemption", label = 1994),  
  list(text = "The Godfather", label = 1972),  
  list(text = "The Godfather: Part II", label = 1974),  
  list(text = "The Dark Knight", label = 2008),  
  list(text = "12 Angry Men", label = 1957)  
)  
  
ui <- function(id) {  
  ns <- NS(id)  
  tagList(  

```

```

    H3("Suggest"),
    Suggest.shinyInput(
      inputId = ns("suggest"),
      items = paste("Option", LETTERS),
      inputProps = list(
        placeholder = "Search with Suggest..."
      )
    ),
    uiOutput(ns("suggest_output")),
    H3("Suggest with labels"),
    Suggest.shinyInput(
      inputId = ns("suggest_lab"),
      items = top5Films,
      noResults = "No suggestions."
    ),
    uiOutput(ns("suggest_lab_output"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$suggest_output <- renderText(input$suggest$text)
    output$suggest_lab_output <- renderText(input$suggest_lab$text)
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

Switch

Switch

Description

Documentation: <https://blueprintjs.com/docs/#core/components/switch>

Usage

```
Switch(...)
```

```
Switch.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

...	Component props and children. See the official Blueprint docs for details.
inputId	The input slot that will be used to access the value.
value	Initial value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

setInput <- function(inputId, accessor = NULL) {
  JS(paste0("x => Shiny.setInputValue('" , inputId, "', x", accessor, ")"))
}

ui <- function(id) {
  ns <- NS(id)
  tagList(
    Switch(
      onChange = setInput(ns("apples"), ".target.checked"),
      defaultChecked = TRUE,
      label = "Apples"
    ),
    Switch.shinyInput(
      inputId = ns("bananas"),
      value = TRUE,
      label = "Bananas"
    ),
    textOutput(ns("applesEnabled")),
    textOutput(ns("bananasEnabled"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$applesEnabled <- renderText(paste("Apples:", deparse(input$apples)))
    output$bananasEnabled <- renderText(paste("Bananas:", deparse(input$bananas)))
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Tabs

Tabs

Description

Documentation: <https://blueprintjs.com/docs/#core/components/tabs>

Usage

Tabs(...)

Tab(...)

TabsExpander(...)

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  ns <- NS(id)
  reactOutput(ns("tabs"))
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    currentTab <- reactiveVal("react")
    observeEvent(input$selectTab, currentTab(input$selectTab))
    output$tabs <- renderReact(
      Tabs(
        selectedTabId = currentTab(),
        onChange = setInput(ns("selectTab")),
        Tab(id = "angular", title = "Angular", panel = "Angular"),
        Tab(id = "ember", title = "Ember", panel = "Ember"),
        Tab(id = "react", title = "React", panel = "React"),
        TabsExpander(),
        tags$input(class = "bp5-input", type = "text", placeholder = "Search...")
      )
    )
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Tag

Tag

Description

Documentation: <https://blueprintjs.com/docs/#core/components/tag>

Usage

Tag(...)

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  tagList(
    Tag(active = TRUE, "Hello"),
    Tag(active = TRUE, large = TRUE, "Hello"),
    Tag(active = TRUE, round = TRUE, "Hello"),
    Tag(active = FALSE, icon = "home", round = TRUE, large = TRUE, "Hello"),
    Tag(active = TRUE, rightIcon = "home", "Hello"),
    Tag(active = TRUE, round = TRUE, intent = "primary", interactive = TRUE, "Hello"),
    Tag(active = TRUE, round = TRUE, intent = "warning", interactive = TRUE, "Hello"),
    Tag(active = TRUE, round = TRUE, intent = "success", interactive = TRUE, "Hello"),
    Tag(active = TRUE, round = TRUE, intent = "danger", interactive = TRUE, "Hello")
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

 TagInput

TagInput

Description

Documentation: <https://blueprintjs.com/docs/#core/components/tag-input>

Usage

```
TagInput(...)
```

```
TagInput.shinyInput(inputId, ..., value = defaultValue)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

inputId The input slot that will be used to access the value.

value Initial value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny)
library(shiny.blueprint)

ui <- function(id) {
  ns <- NS(id)
  tagList(
    TagInput.shinyInput(
      inputId = ns("value"),
      value = c("one", "two", "three")
    ),
    textOutput(ns("valueOutput"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$valueOutput <- renderText(input$value)
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

Text

Text

Description

Documentation: <https://blueprintjs.com/docs/#core/components/text>

Usage

`Text(...)`

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

ui <- function(id) {
  Text(
    "Lorem ipsum dolor sit amet,
    consectetur adipiscing elit,
    sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
    Ut enim ad minim veniam,
    quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
    Duis aute irure dolor in reprehenderit
    in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
    Excepteur sint occaecat cupidatat non proident,
    sunt in culpa qui officia deserunt mollit anim id est laborum."
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {})
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))
```

TextArea

Text area

Description

Documentation: <https://blueprintjs.com/docs/#core/components/text-inputs.text-area>

Usage

```
TextArea(...)
```

Arguments

... Component props and children. See the official Blueprint docs for details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(shiny)

setInput <- function(inputId, accessor = NULL) {
```

```

  JS(paste0("x => Shiny.setInputValue('', inputId, '", x"', accessor, ")"))
}

ui <- function(id) {
  ns <- NS(id)
  tagList(
    H4("Uncontrolled"),
    TextArea(
      growVertically = TRUE,
      onChange = setInput(ns("uncontrolledTextarea"), ".target.value"),
      large = TRUE,
      intent = "primary"
    ),
    textOutput(ns("uncontrolledTextareaOutput")),
    H4("Controlled"),
    TextArea.shinyInput(
      inputId = ns("controlledTextarea"),
      growVertically = TRUE,
      large = TRUE,
      intent = "primary"
    ),
    textOutput(ns("controlledTextareaOutput"))
  )
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    output$uncontrolledTextareaOutput <- renderText(input$uncontrolledTextarea)
    output$controlledTextareaOutput <- renderText(input$controlledTextarea)
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

 Toaster

Toaster

Description

Documentation: <https://blueprintjs.com/docs/#core/components/toast>

Methods

Public methods:

- [Toaster\\$new\(\)](#)
- [Toaster\\$show\(\)](#)
- [Toaster\\$clear\(\)](#)
- [Toaster\\$dismiss\(\)](#)

Method `new()`:

Usage:

```
Toaster$new(  
  toasterId = incrementToasterId(),  
  session = shiny::getDefaultReactiveDomain(),  
  ...  
)
```

Arguments:

toasterId Unique number - needed to use more than one toaster
session Shiny session object
... Parameters passed to Toaster component

Returns: A new Toaster instance.

Method `show()`: Shows a new toast to the user, or updates an existing toast corresponding to the provided key

Usage:

```
Toaster$show(..., key = NULL)
```

Arguments:

... Parameters passed to Toaster component
key A key of toast to be shown/dismissed

Returns: Nothing. This method is called for side effects.

Method `clear()`: Dismiss all toasts instantly

Usage:

```
Toaster$clear()
```

Returns: Nothing. This method is called for side effects.

Method `dismiss()`: Dismiss the given toast instantly

Usage:

```
Toaster$dismiss(key)
```

Arguments:

key A key of toast to be shown/dismissed

Returns: Nothing. This method is called for side effects.

Tree

Tree

Description

Documentation: <https://blueprintjs.com/docs/#core/components/tree>

Usage

```
Tree(...)
```

```
Tree.shinyInput(inputId, data, ...)
```

Arguments

<code>...</code>	Component props and children. See the official Blueprint docs for details.
<code>inputId</code>	The input slot that will be used to access the value.
<code>data</code>	A list of nodes parameters: <ul style="list-style-type: none"> • required: <code>label</code> • optional: <code>childNodes</code>, <code>icon</code>, <code>hasCaret</code>, <code>isExpanded</code>, <code>disabled</code>, <code>secondaryLabel</code>

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Examples

```
library(shiny.blueprint)
library(purrr)
library(shiny)

treeList <- list(
  list(
    id = "0",
    hasCaret = TRUE,
    icon = "folder-close",
    label = "Tree"
  ),
  list(
    id = "1",
    icon = "folder-close",
    isExpanded = TRUE,
    label = "Hello here",
    childNodes = list(
      list(
        id = "2",
        icon = "document",
        label = "Item 0",
        secondaryLabel = Icon(icon = "eye-open")
      ),
      list(
        id = "3",
        icon = "tag",
        label = "Organic meditation gluten-free, sriracha VHS drinking vinegar beard man.",
        childNodes = list(
          list(
            id = "4",
            icon = "document",
```

```

        label = "Item 0",
        secondaryLabel = Icon(icon = "eye-open")
      ),
      list(
        id = "5",
        icon = "tag",
        label = "Some other stuff"
      )
    )
  )
),
list(
  id = "10",
  hasCaret = TRUE,
  icon = "folder-close",
  label = "Super secret files",
  disabled = TRUE
)
)

modifyTree <- function(tree, ids, props) {
  if (!is.null(tree)) purrr::map(tree, function(node) {
    if (node$id %in% ids) {
      node <- purrr::list_modify(node, !!!props)
    }
    node$childNodes <- modifyTree(node$childNodes, ids, props)
  })
}

ui <- function(id) {
  ns <- NS(id)
  tagList(
    reactOutput(ns("tree")),
    Divider(),
    reactOutput(ns("info")),
    Divider(),
    Tree.shinyInput(
      inputId = ns("selected_nodes"),
      data = list(
        list(
          label = "1",
          id = "1",
          isExpanded = TRUE,
          childNodes = list(
            list(
              label = "1.1",
              id = "1.1",
              childNodes = list(list(label = "1.1.1", id = "1.1.1"))
            ),
            list(label = "1.2", id = "1.2")
          )
        )
      )
    )
  )
}

```

```

    ),
    list(
      label = "2",
      id = "2",
      childNodes = list(
        list(label = "2.1", id = "2.1")
      )
    ),
    list(label = "3", id = "3", hasCaret = TRUE)
  )
),
Divider(),
tags$span("Hold ", tags$b("shift"), " to select multiple nodes."),
reactOutput(ns("selected_nodes_list")),
)
}

server <- function(id) {
  moduleServer(id, function(input, output, session) {
    ns <- session$ns

    treeReactive <- reactiveVal(treeList)
    observeEvent(input$expand, {
      treeReactive(
        modifyTree(treeReactive(), ids = input$expand, props = list(isExpanded = TRUE))
      )
    })
    observeEvent(input$collapse, {
      treeReactive(
        modifyTree(treeReactive(), ids = input$collapse, props = list(isExpanded = FALSE))
      )
    })

    output$tree <- renderReact({
      Tree(
        contents = treeReactive(),
        onNodeExpand = setInput(ns("expand"), jsAccessor = "[0].id"),
        onNodeCollapse = setInput(ns("collapse"), jsAccessor = "[0].id"),
        onNodeClick = setInput(ns("click"), jsAccessor = "[0].id")
      )
    })

    output$info <- renderReact({
      tags$div("Clicked (id): ", input$click)
    })

    output$selected_nodes_list <- renderReact({
      UL(lapply(input$selected_nodes, function(node) tags$li(node)))
    })
  })
}

if (interactive()) shinyApp(ui("app"), function(input, output) server("app"))

```

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