

shinydashboard: : CHEAT SHEET

Basics

Shinydashboard is a dashboard template for shiny, built on top of the AdminLTE2 HTML template

- Below is the main page structure

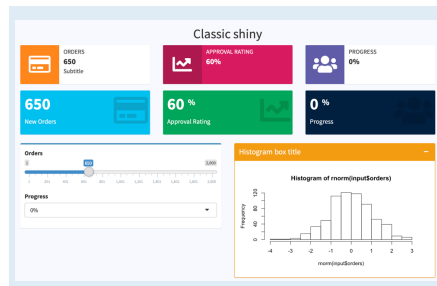
```
library(shiny)
library(shinydashboard)

shinyApp(
  ui = dashboardPage(
    dashboardHeader(),
    dashboardSidebar(),
    dashboardBody(),
    title = "Dashboard example"
  ),
  server = function(input,
output) { }
```

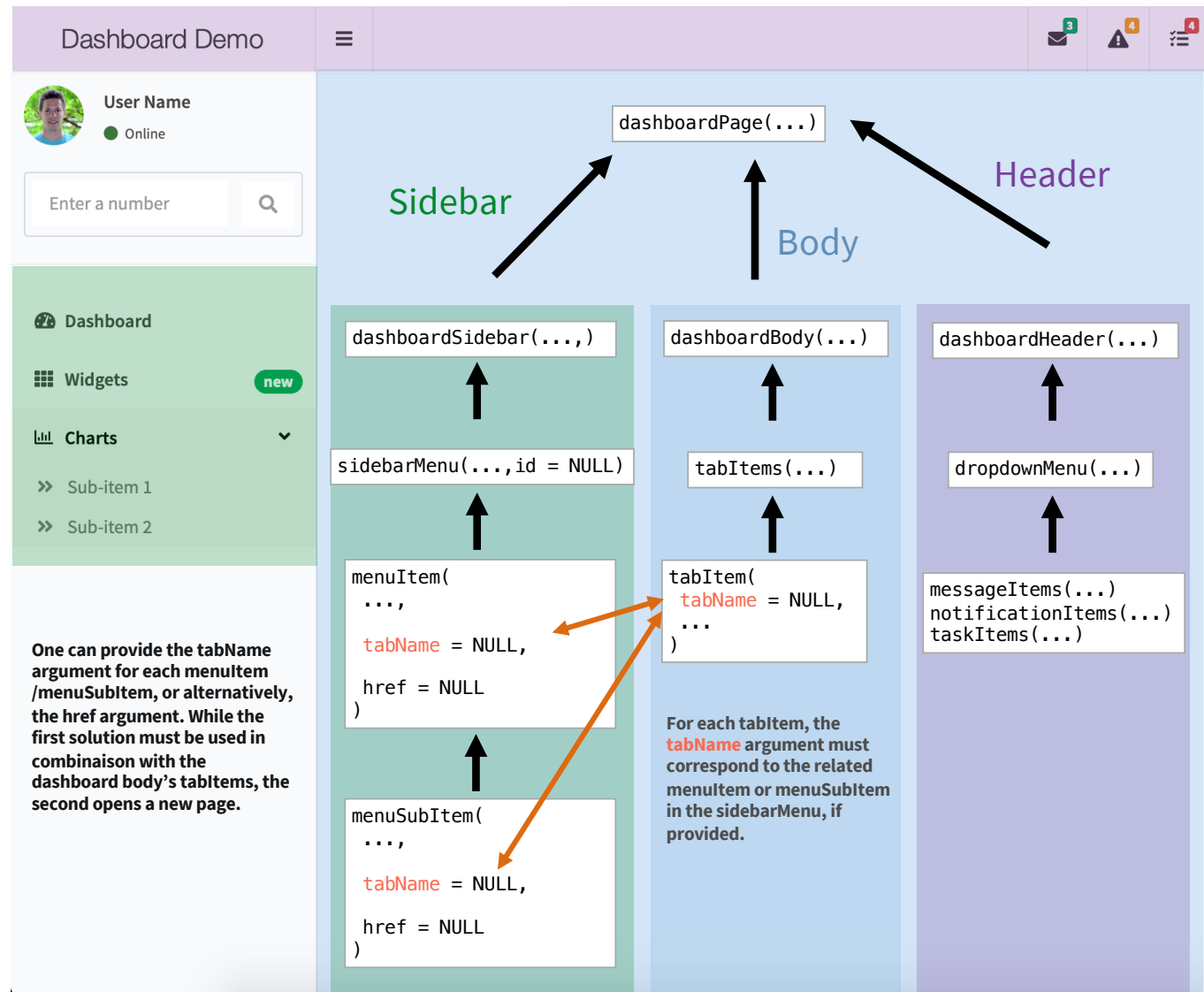
Export elements

Alternatively, you can embed shinydashboard elements in vanilla shiny.

```
library(shinyWidgets)
shinyApp(
  ui = fluidPage(
    useShinydashboard(),
    ...
  )
)
```

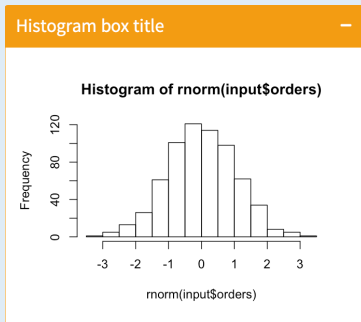


Layout Overview

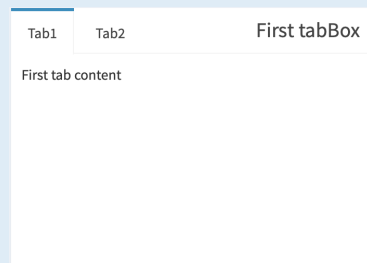


Boxes

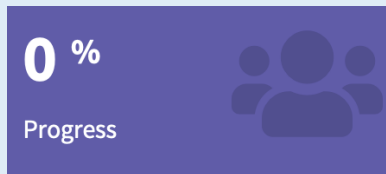
`box(...)`



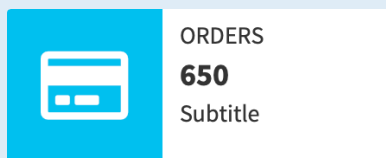
`tabBox(..., id = NULL)`



`valueBox(...)`



`infoBox(...)`



Render/Output functions

Server Side

`renderInfoBox(...)`

UI Side

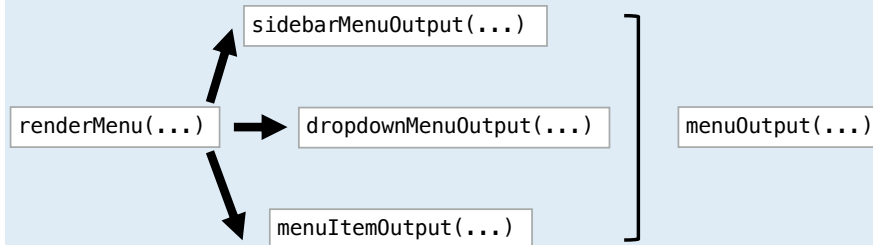
`infoBoxOutput(...)`

```
output$ibox <- renderInfoBox({
  infoBox(...)
})
```

Alternatively, you can still use `renderUI`, even though the name is less explicit

`renderValueBox(...)`

`valueBoxOutput(...)`



Update tabs

`updateTabItems(session, id)`

Useful to update tab related elements. Id corresponds to the element to update.

This function can be applied to all shinydashboard elements having an id argument like `sidebarMenu()` and `tabBox()`

Useful Links

<https://rstudio.github.io/shinydashboard/>
<https://github.com/rstudio/shinydashboard>
<https://shiny.rstudio.com/articles/dashboards.html>

Examples from the 2019 shiny contest

<https://kevinrue.shinyapps.io/isee-shiny-contest/>
<https://gadenbuie.shinyapps.io/tweet-conf-dash/>

About AdminLTE

<https://adminlte.io/preview>