



BUILDING DASHBOARDS WITH SHINYDASHBOARD

Dashboard structure overview

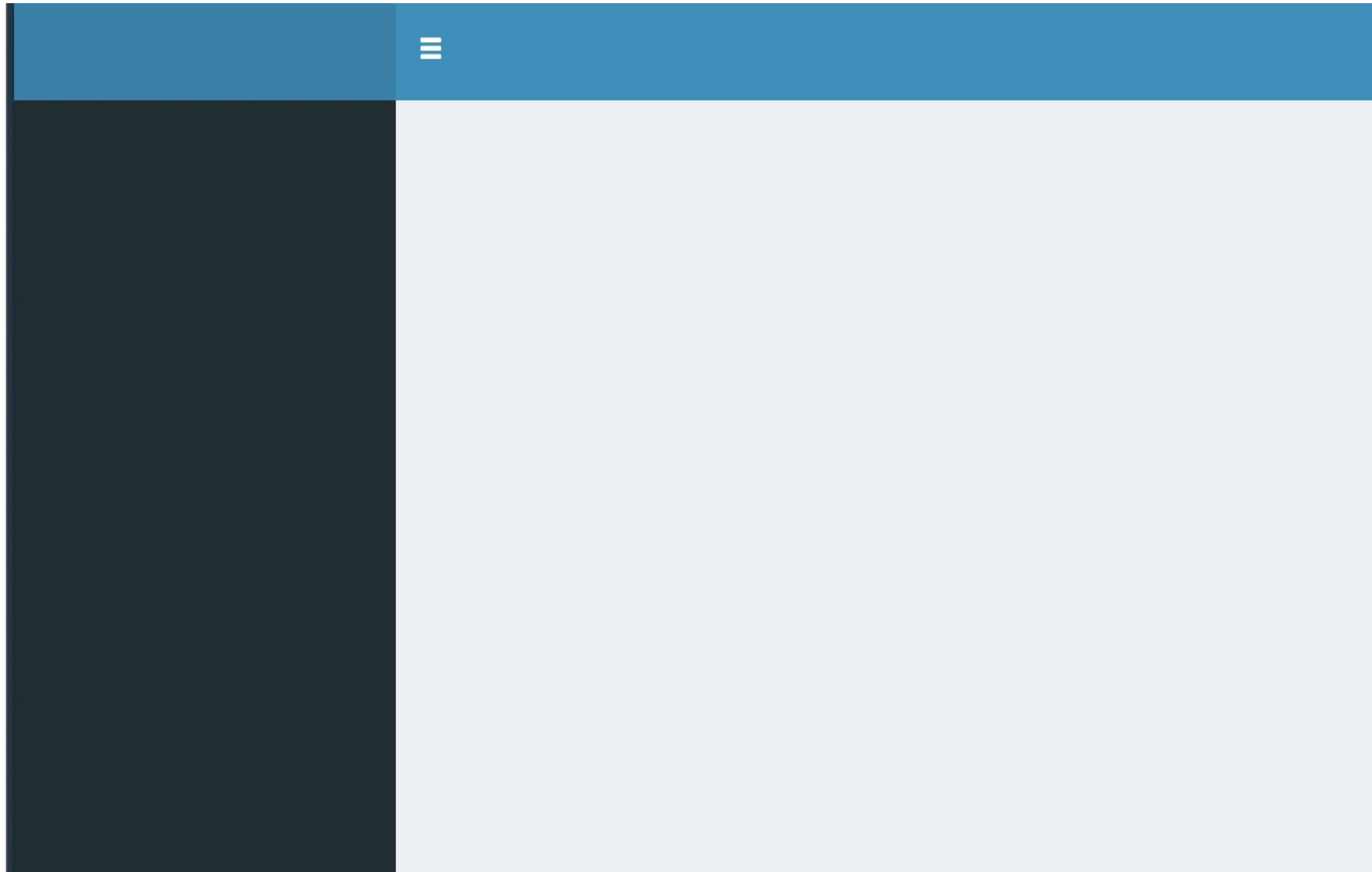
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Dashboard Structure

- Header
- Sidebar
- Body





Empty Dashboard

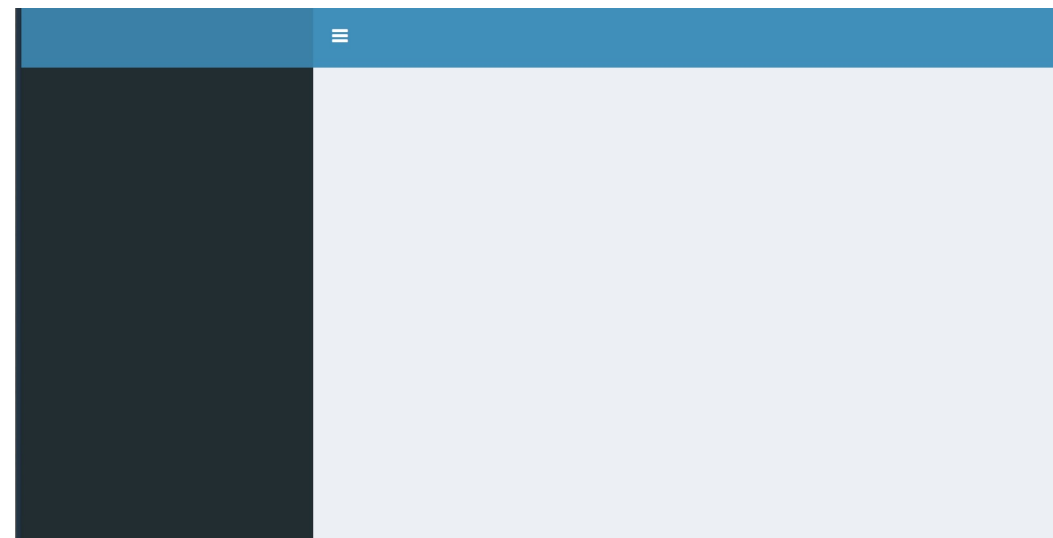
```
library("shinydashboard")  
header <- dashboardHeader()
```





Empty Dashboard

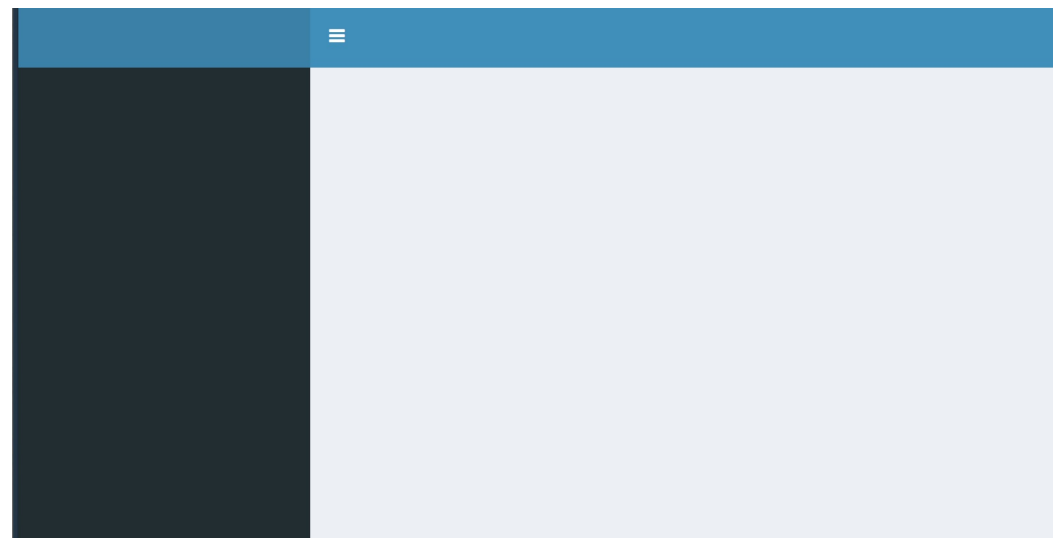
- `header <- dashboardHeader()`
- `sidebar <- dashboardSidebar()`
- `body <- dashboardBody()`





Empty Dashboard

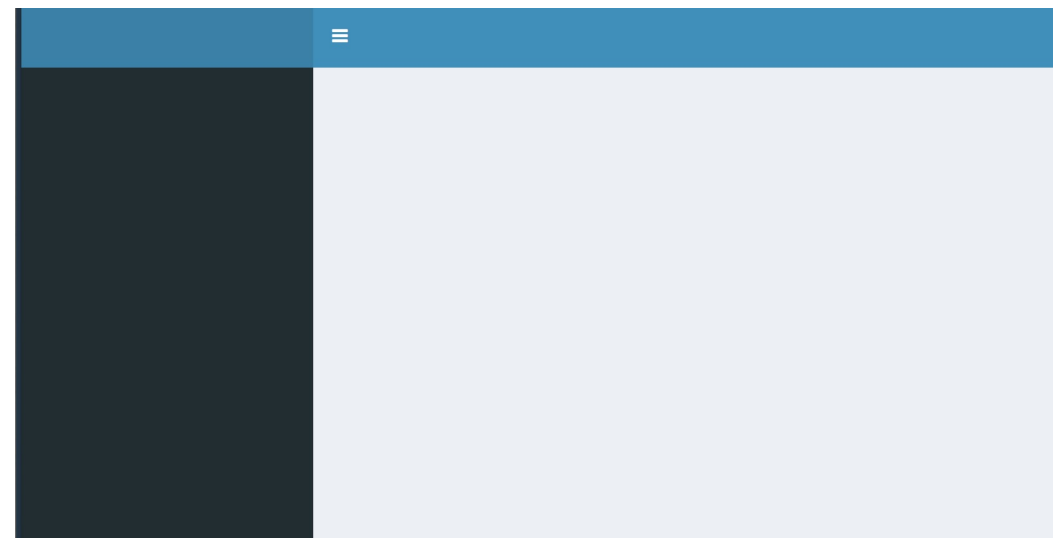
```
ui <- dashboardPage(header, sidebar, body)
```





Empty Dashboard

```
server <- function(input, output) {}  
shiny::shinyApp(ui, server)
```





BUILDING DASHBOARDS WITH SHINYDASHBOARD

Let's practice!



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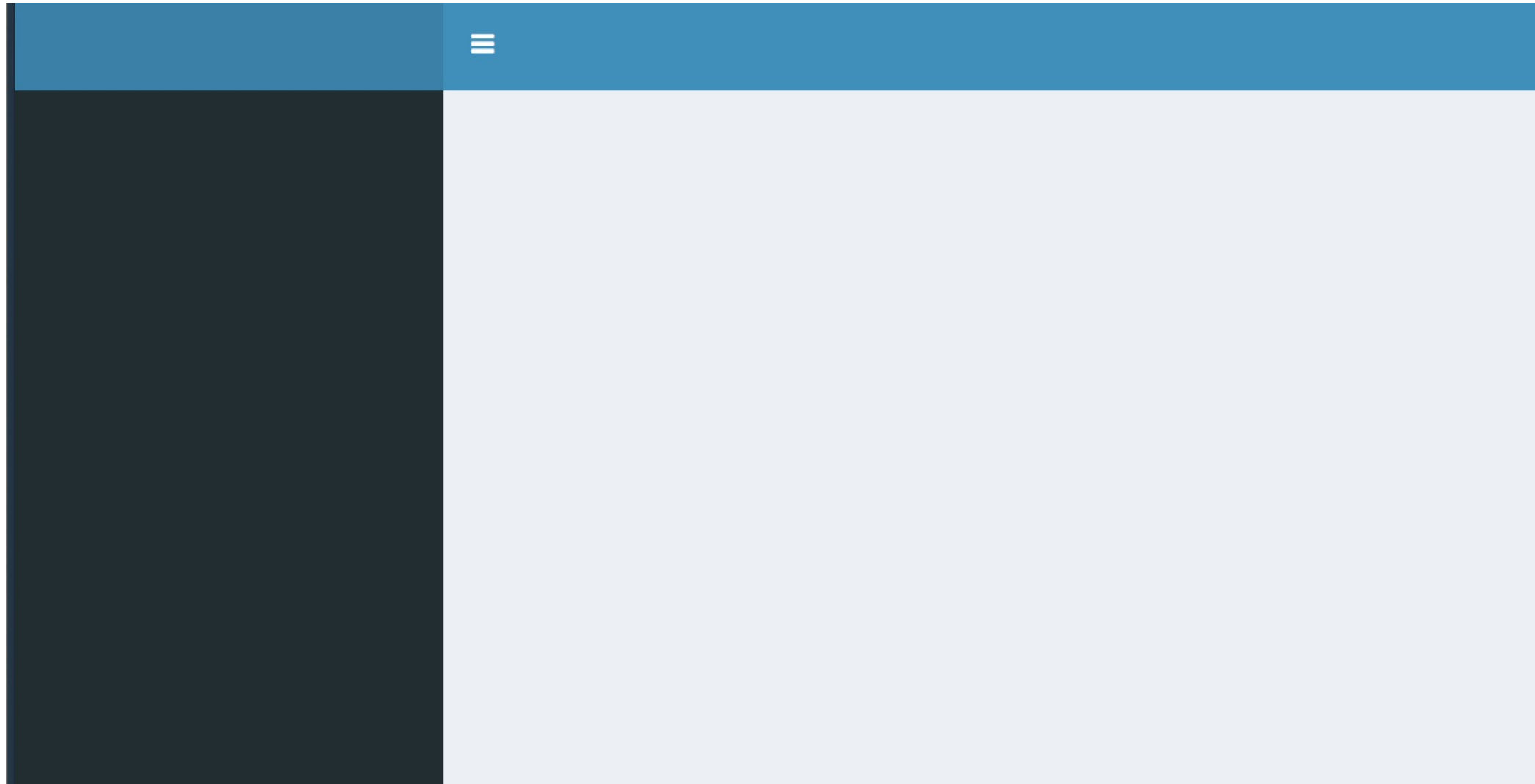
Dashboard Header overview

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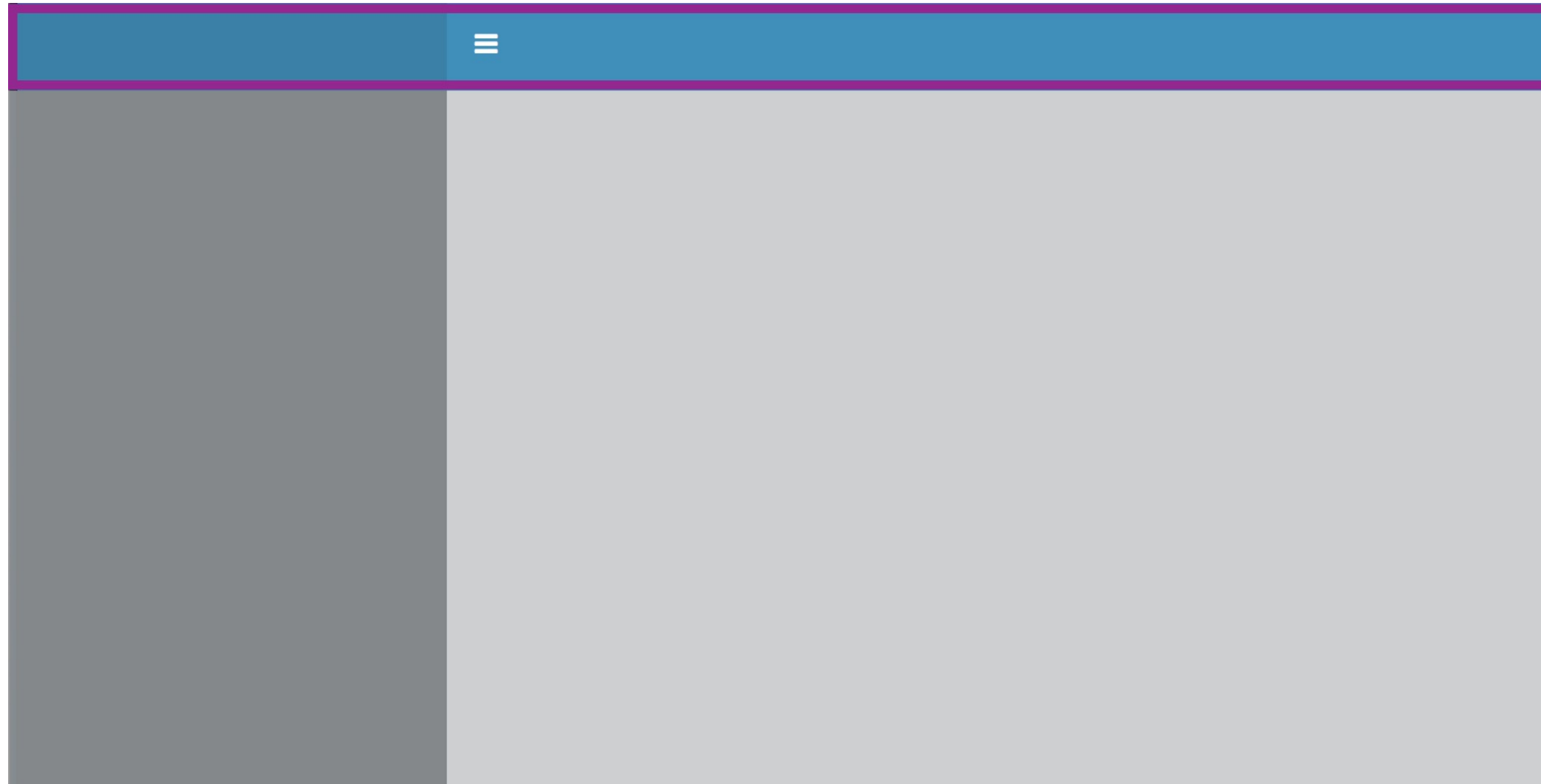


Shiny Dashboard Header



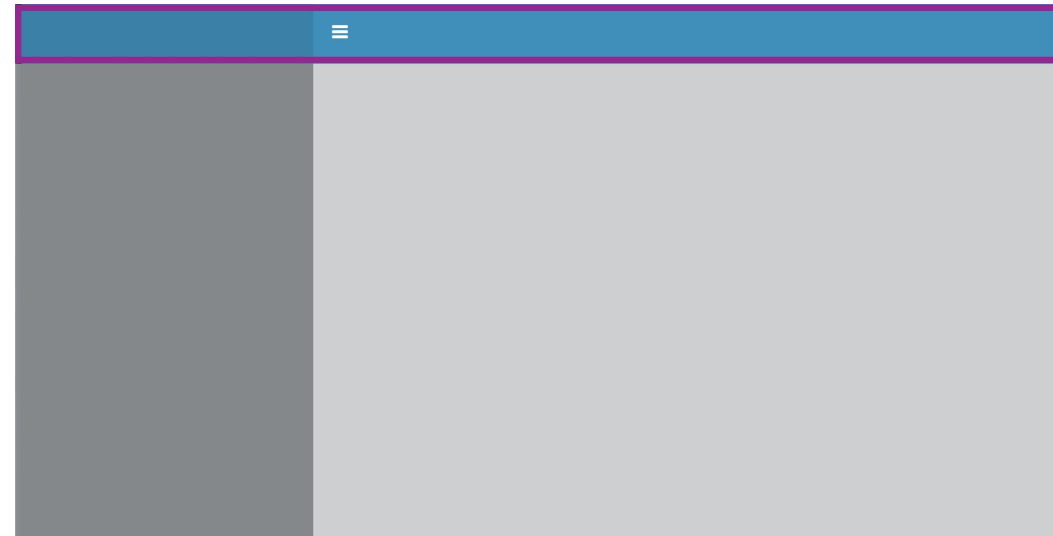


Shiny Dashboard Header





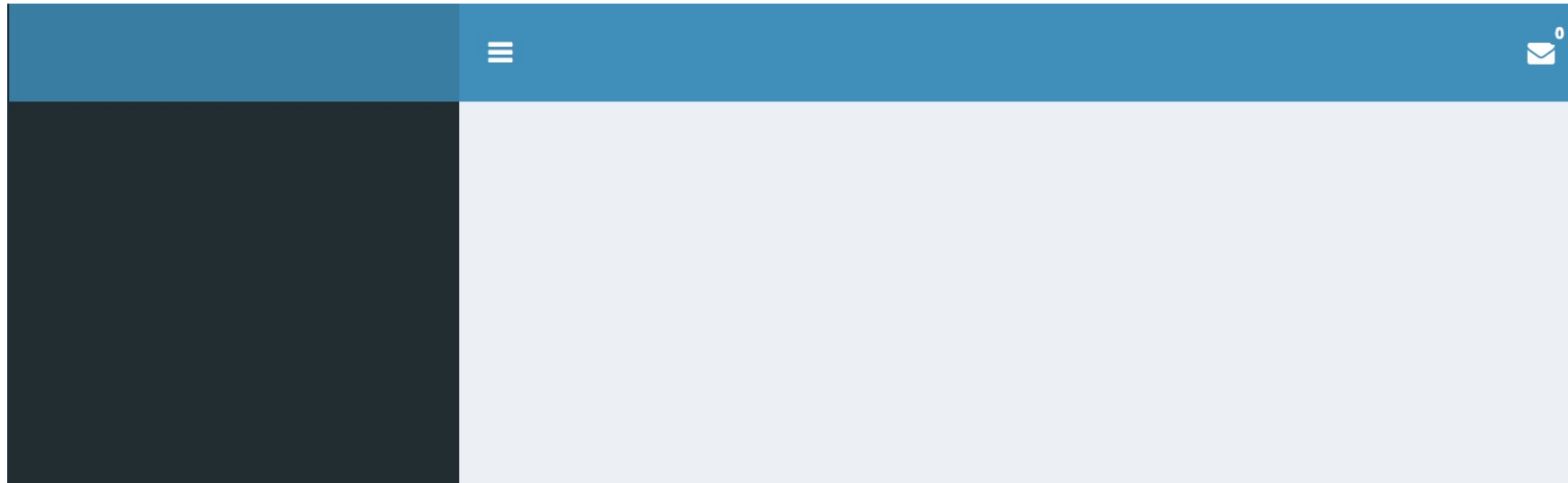
Dropdown Menus



- Messages
- Notifications
- Tasks



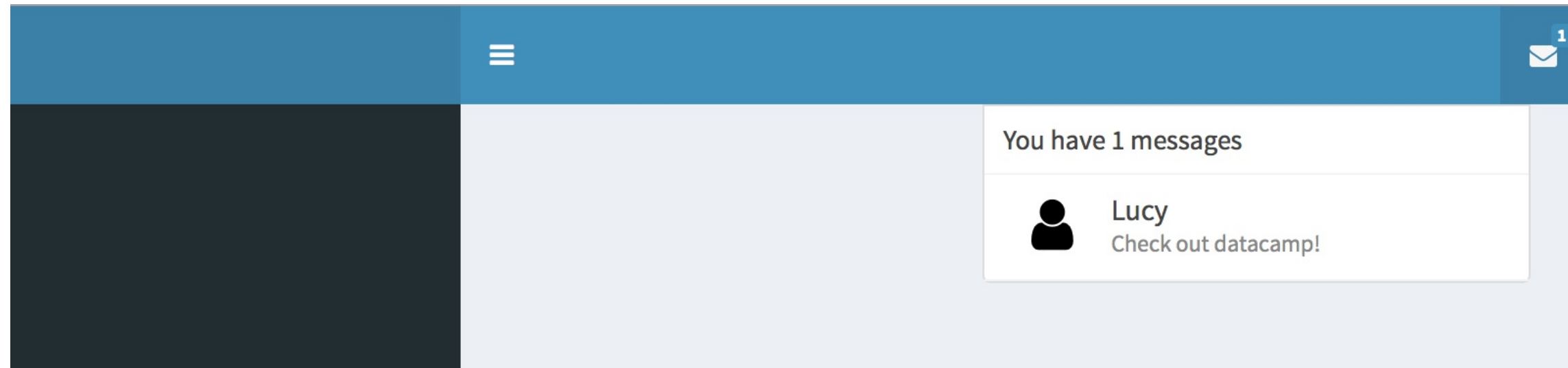
Message menu



```
header <- dashboardHeader(  
  dropdownMenu(type = "messages")  
)
```



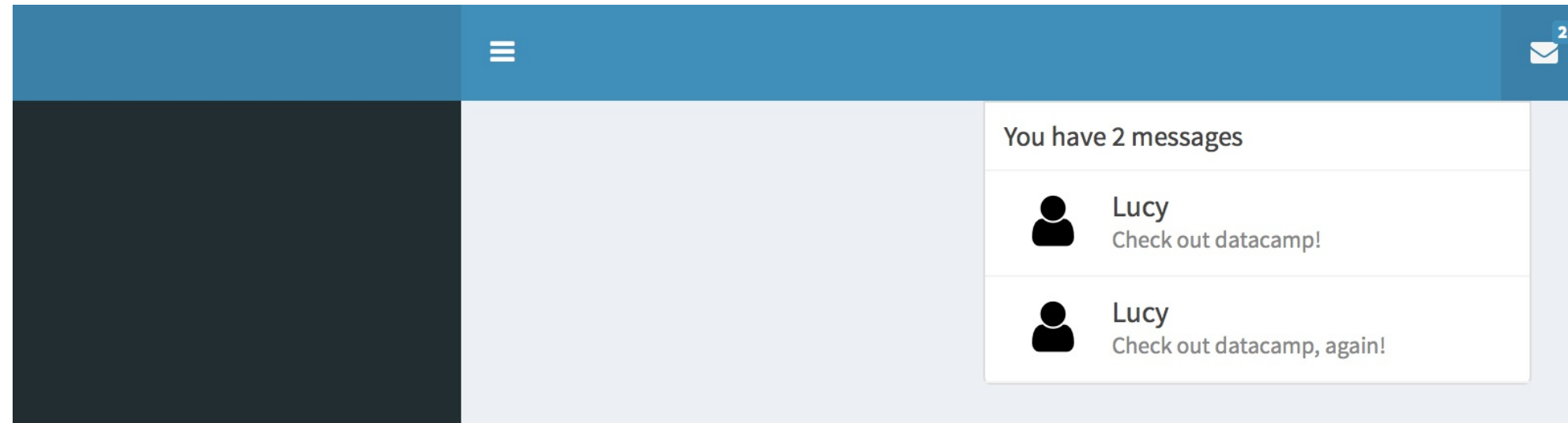
Message menu



```
header <- dashboardHeader(  
  dropdownMenu(  
    type = "messages",  
    messageItem(  
      from = "Lucy",  
      message = "Check out datacamp!",  
      href = "http://www.datacamp.com"  
    )  
  )  
)
```



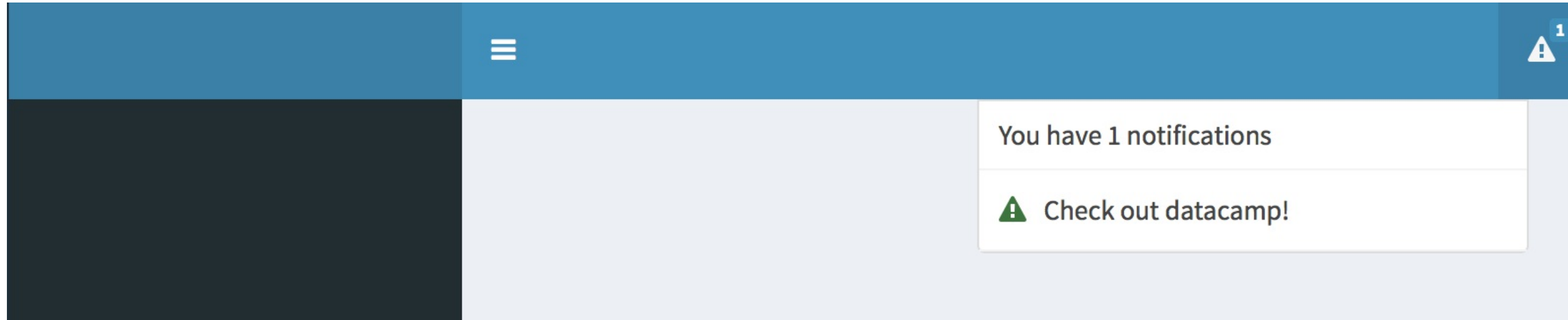
Message Menu



```
dropdownMenu(  
  type = "messages",  
  messageItem(  
    from = "Lucy",  
    message = "Check out datacamp!",  
    href = "http://www.datacamp.com"  
  ),  
  messageItem(  
    from = "Lucy",  
    message = "Check out datacamp, again!",  
    href = "http://www.datacamp.com"  
  )  
)
```



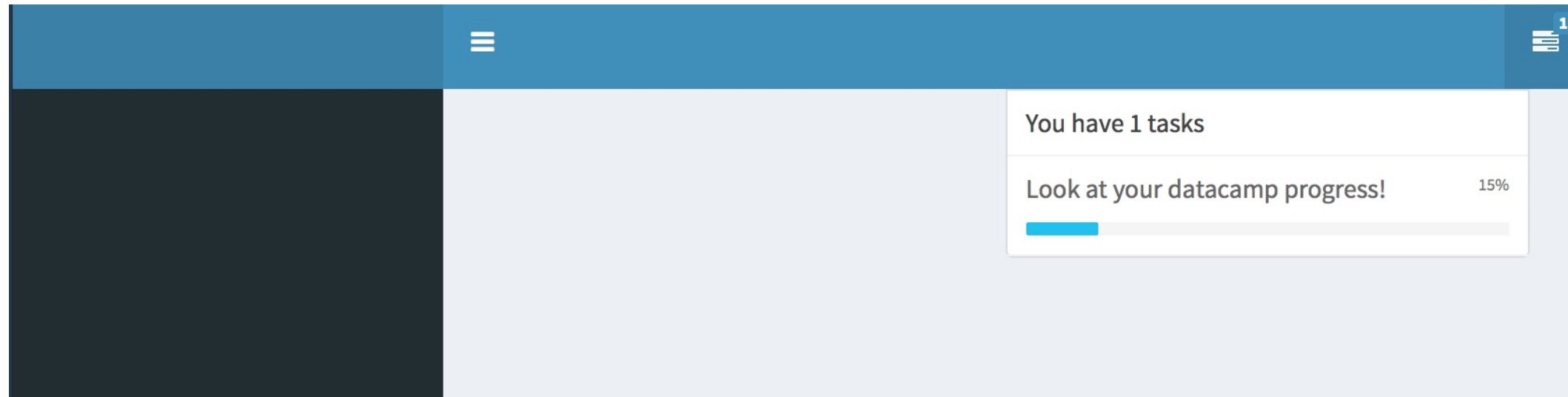
Notification Menu



```
header <- dashboardHeader(  
  dropdownMenu(  
    type = "notifications",  
    notificationItem(  
      text = "Check out datacamp!",  
      href = "http://www.datacamp.com"  
    )  
  )  
)
```




Tasks Menu



```
header <- dashboardHeader(  
  dropdownMenu(  
    type = "tasks",  
    taskItem(  
      text = "Look at your datacamp progress!",  
      value = 15  
    )  
  )  
)
```



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Let's practice!



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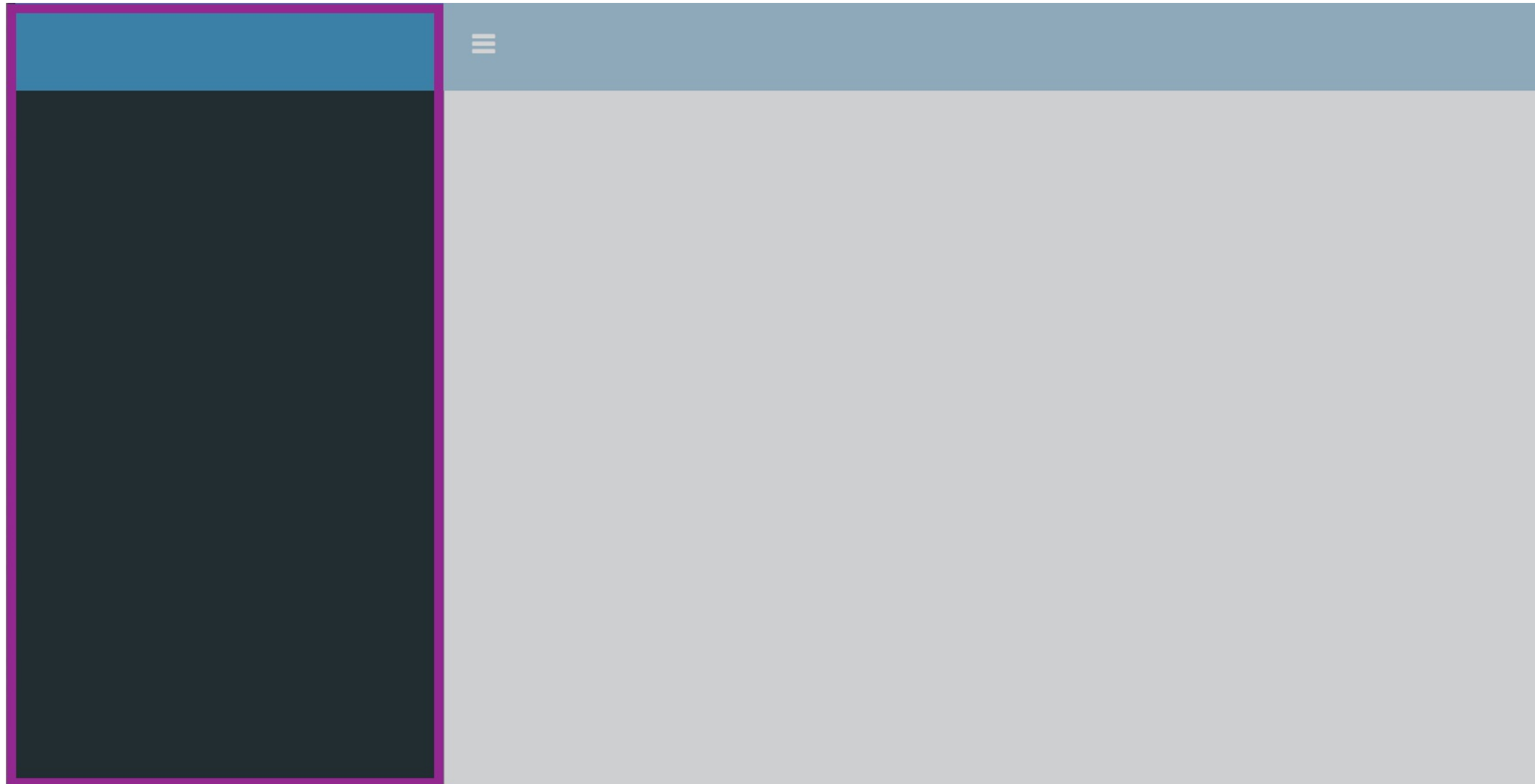
Dashboard Sidebar and Body overview

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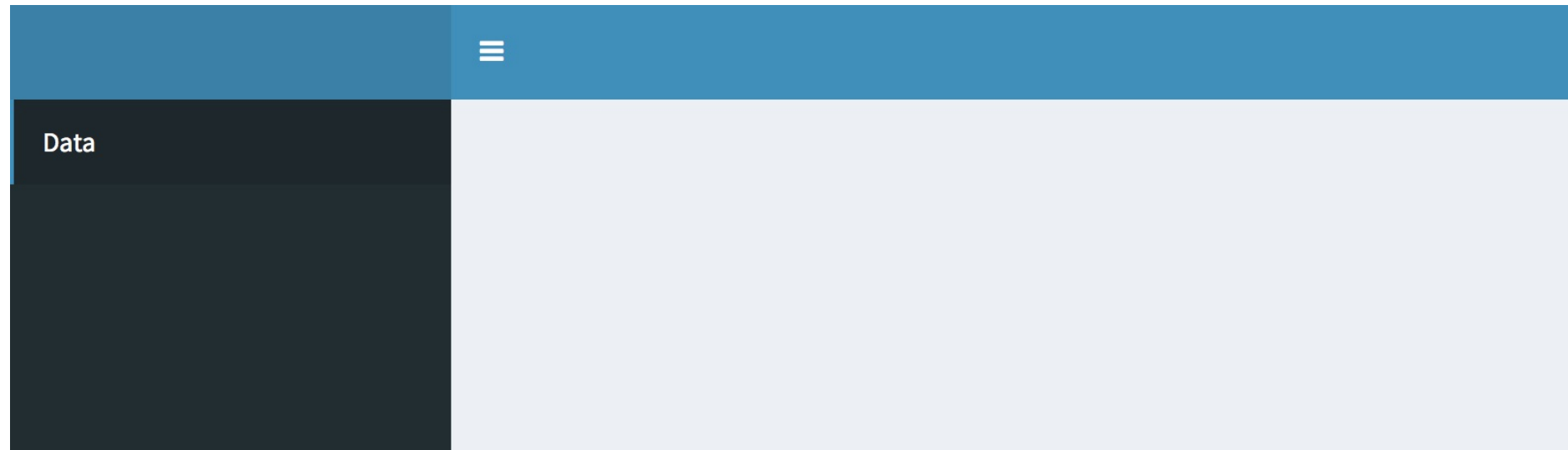
Sidebar



```
sidebar <- dashboardSidebar()
```



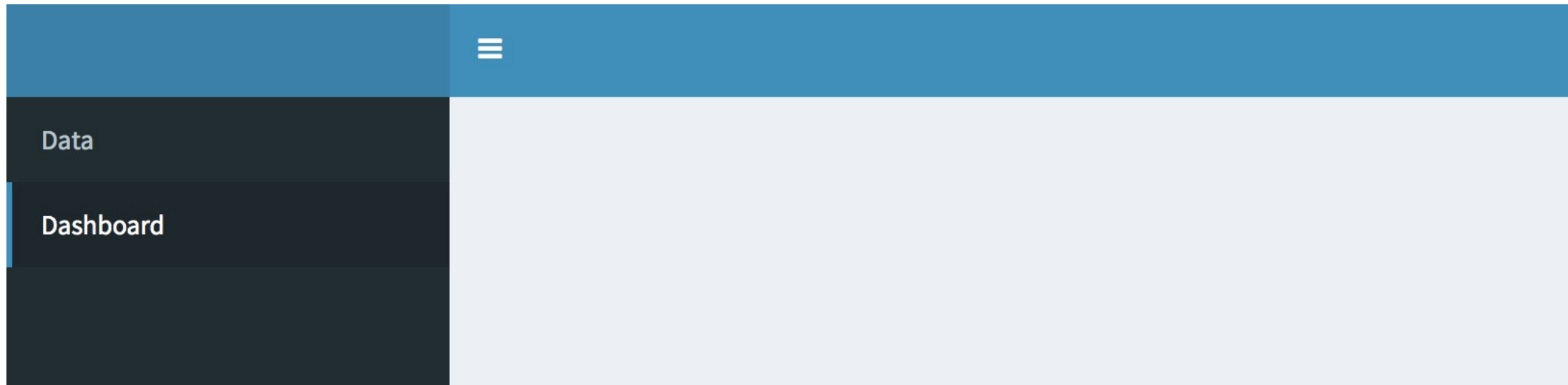
Sidebar



```
sidebar <- dashboardSidebar(  
  sidebarMenu(  
    menuItem("Data",  
      tabName = "data"  
    )  
  )  
)
```

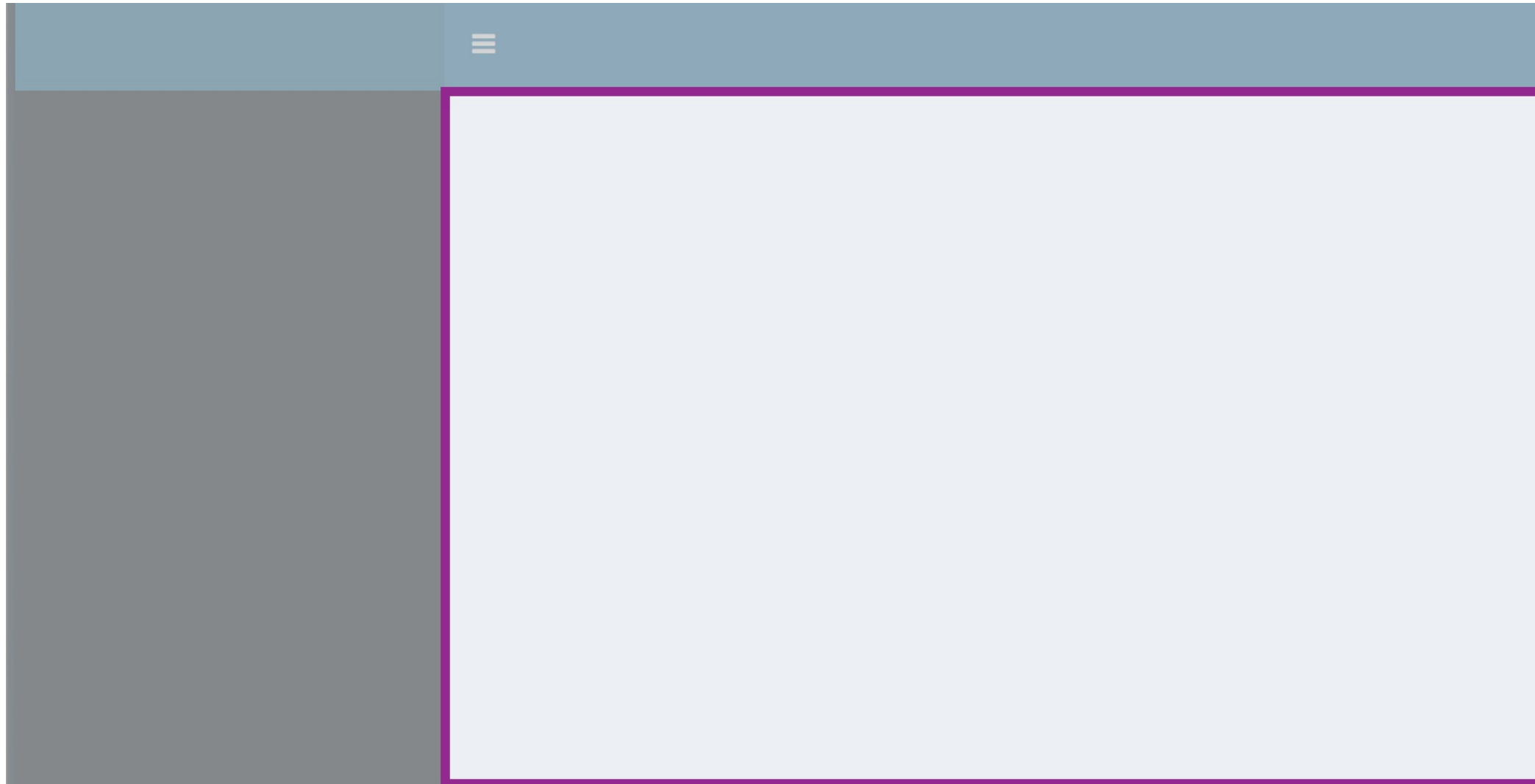


Sidebar



```
sidebar <- dashboardSidebar(  
  sidebarMenu(  
    menuItem("Data",  
             tabName = "data"  
    ),  
    menuItem("Dashboard",  
             tabName = "dashboard")  
  )  
)
```

Body



```
body <- dashboardBody()
```



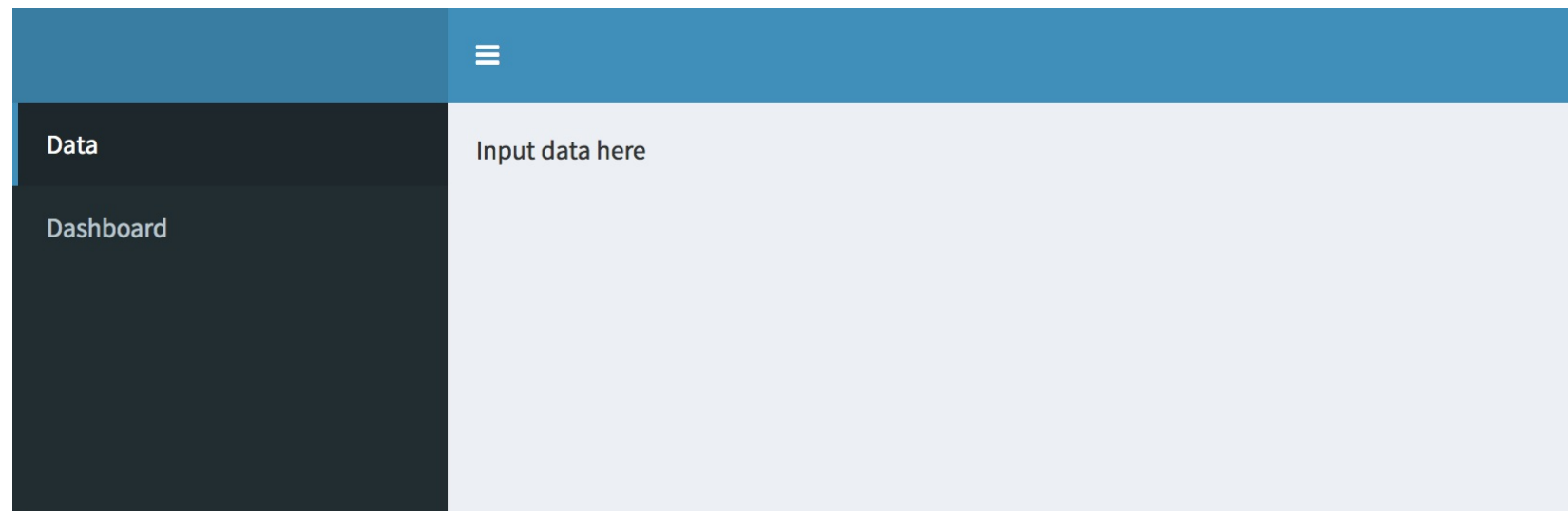
Body



```
body <- dashboardBody(  
  tabItems(  
    tabItem(tabName = "data"),  
    tabItem(tabName = "dashboard")  
  )  
)
```



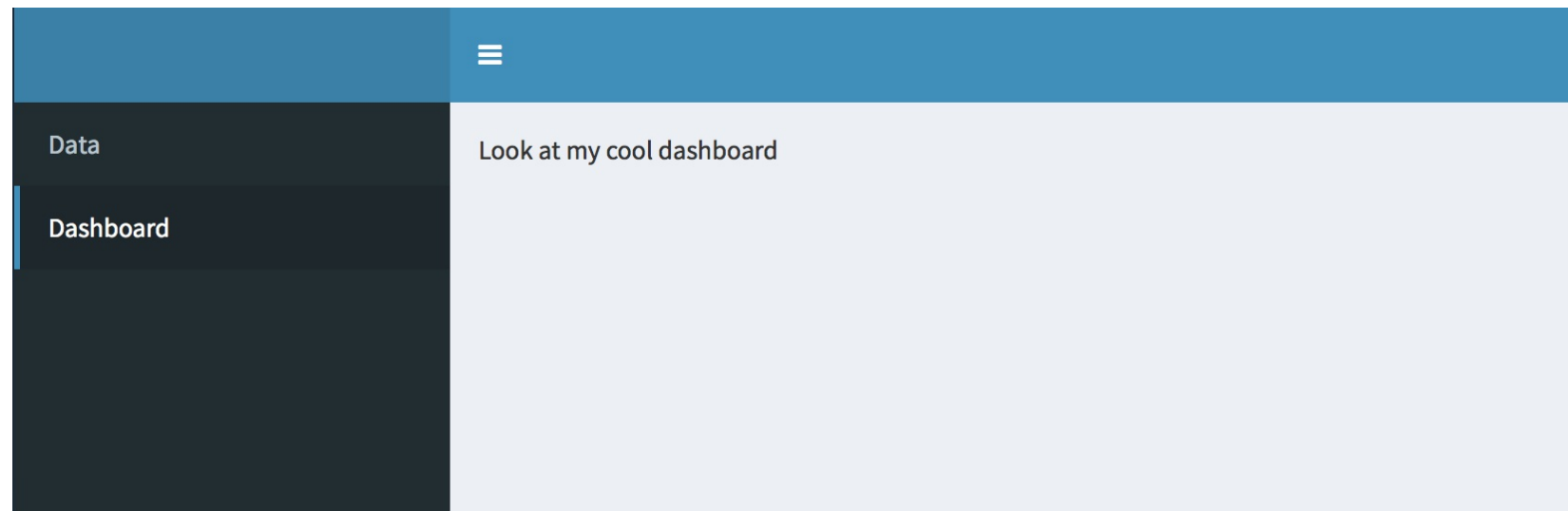

Body



```
body <- dashboardBody(  
  tabItems(  
    tabItem(tabName = "data",  
            "Input data here"),  
    tabItem(tabName = "dashboard",  
            "Look at my cool dashboard")  
  )  
)
```



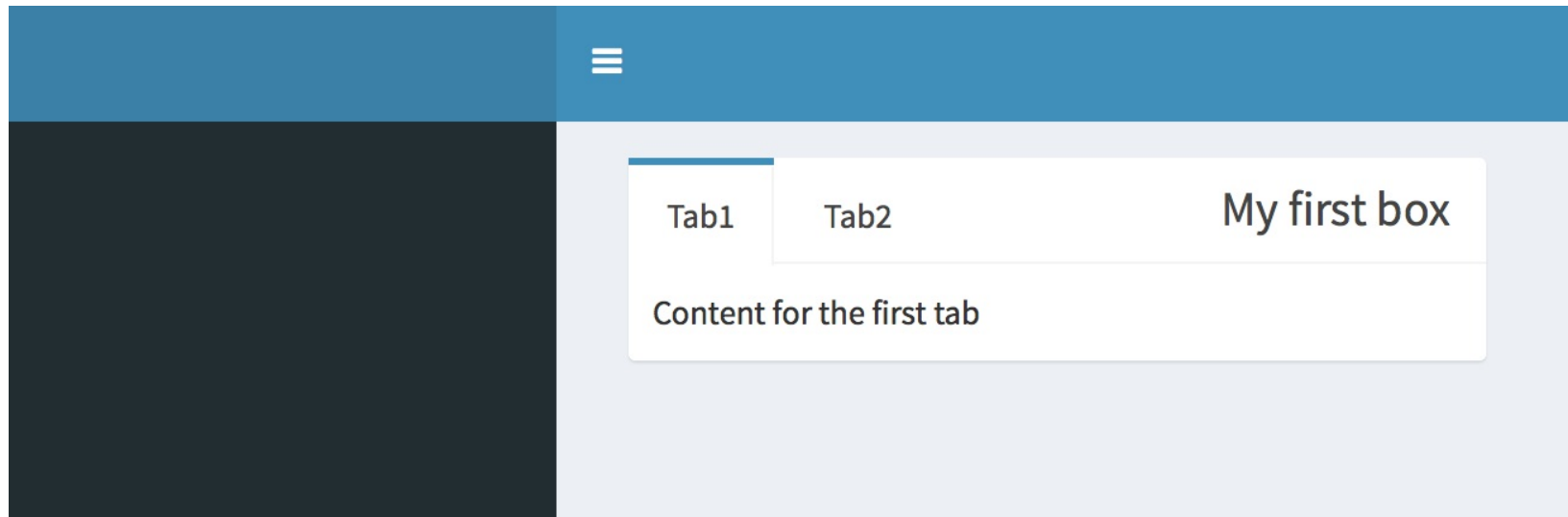
Body



```
body <- dashboardBody(  
  tabItems(  
    tabItem(tabName = "data",  
            "Input data here"),  
    tabItem(tabName = "dashboard",  
            "Look at my cool dashboard")  
  )  
)
```



Body



```
body <- dashboardBody(  
  tabBox(  
    title = "My first box",  
    tabPanel("Tab1", "Content for the first tab"),  
    tabPanel("Tab2", "Content for the second tab")  
  )  
)
```



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Your turn!