

# Bootstrap explanation

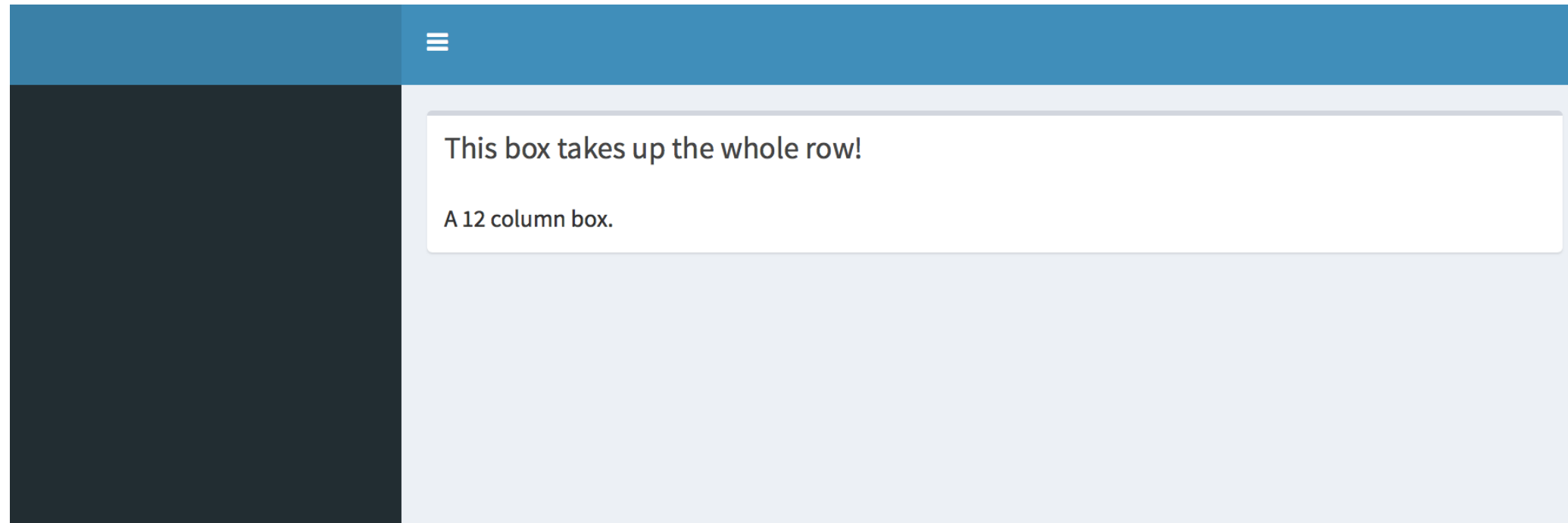
BUILDING DASHBOARDS WITH SHINYDASHBOARD



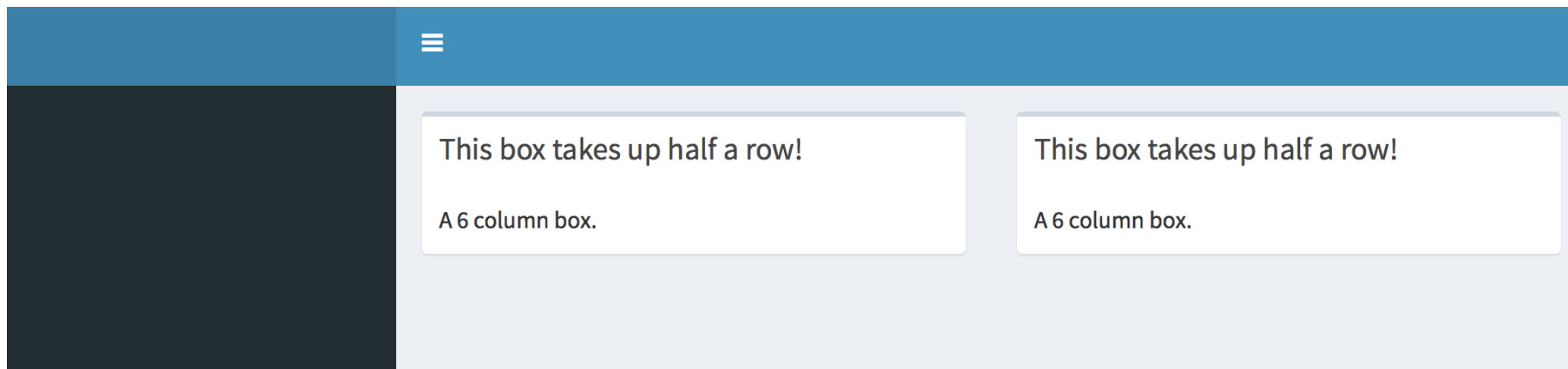
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# Bootstrap Layout



```
box(  
  width = 12,  
  title = "This box takes up the whole row!",  
  "A 12 column box."  
)
```



```
box(  
  width = 6,  
  title = "This box takes up half a row!",  
  "A 6 column box."  
)  
box(  
  width = 6,  
  title = "This box takes up half a row!",  
  "A 6 column box."  
)
```

# Layout Types

- Row-based layout
- Column-based layout
- Mixed layout

# Row-based layout

```
fluidRow(  
  box(  
    width = 6,  
    title = "This box takes up half a row!",  
    "A 6 column box."  
  ),  
  box(  
    width = 6,  
    title = "This box takes up half a row!",  
    "A 6 column box."  
  )  
)
```

# Column-based layout

```
fluidRow(  
  column(width = 6,  
    box(  
      width = NULL,  
      title = "This box takes up half a row!",  
      "A 6 column box."  
    )  
  ),  
  column(width = 6,  
    box(  
      width = NULL,  
      title = "This box takes up half a row!",  
      "A 6 column box."  
    )  
  )  
)
```

# Mixed Layout

```
fluidRow(  
  box(width = 12,  
    title = "This box takes up the whole row!",  
    "A 12 column box.")  
)  
fluidRow(  
  column(width = 6,  
    box(width = NULL,  
      title = "This box takes up half a row!",  
      "A 6 column box.")  
  ),  
  column(width = 6,  
    box(width = NULL,  
      title = "This box takes up half a row!",  
      "A 6 column box.")  
  )  
)
```

# Let's practice!

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# Customizing the appearance

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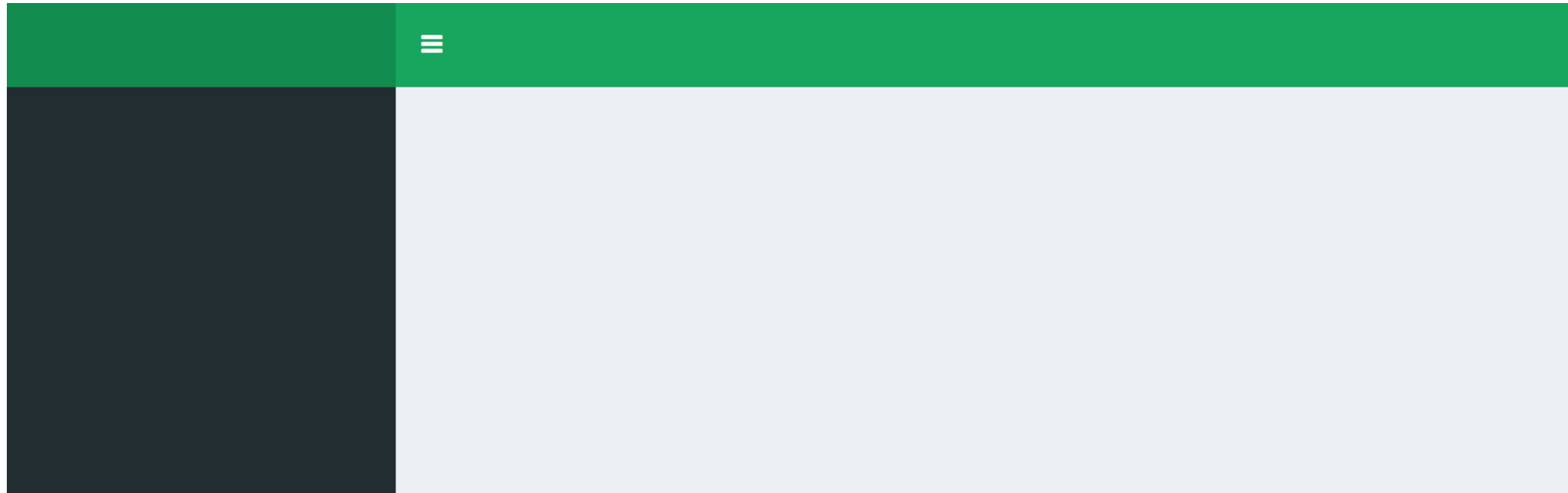
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# Dashboard skins

- blue (*default*)
- black
- purple
- green
- red
- yellow

# Dashboard skins



```
dashboardPage(skin = "green",  
              header = header,  
              sidebar = sidebar,  
              body = body)
```

# CSS

```
dashboardBody(  
  tags$head(  
    tags$link(rel = "stylesheet",  
              type = "text/css",  
              href = "my_style.css")  
  )  
)
```

# CSS

```
dashboardBody(  
  tags$head(  
    tags$style(  
      HTML('  
        \\CSS here  
      ')  
    )  
  )  
)  
)
```

# Let's practice!

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# Icons, statuses, colors

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# Icons

```
icon(name = "bicycle",  
      lib = "font-awesome")
```





# Icons

```
icon(name = "refresh",  
      class = "fa-5x fa-spin")
```



# Icons

- <http://fontawesome.io/icons/>
- <http://fontawesome.io/examples/>
- <https://getbootstrap.com/components/>

# Statuses

```
?validStatuses
```

- `primary` Dark blue
- `success` Green
- `info` Light blue
- `warning` Orange
- `danger` Red

# Colors

`?validColors`

- `red`
- `yellow`
- `aqua`
- `blue`
- `light-blue`
- `green`
- `navy`
- `teal`
- `olive`
- `lime`
- `orange`
- `fuchsia`
- `purple`
- `maroon`
- `black`

# Let's add some flair to your dashboard!

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