Dashboard - example

```
# load the required packages
library(shiny)
require(shinydashboard)
library(ggplot2)
library(dplyr)
recommendation <- read.csv('recommendation.csv',stringsAsFactors = F,header=T)
head(recommendation)
header <- dashboardHeader(title = "Basic Dashboard")
#Sidebar content of the dashboard

sidebar <- dashboardSidebar(
  sidebarMenu(
    menuItem("Dashboard", tabName = "dashboard", icon = icon("dashboard")),
    menuItem("Visit-us", icon = icon("send",lib='glyphicon'),
             href = "http://www.vit.ac.in")
  )
)
frow1 <- fluidRow(
  valueBoxOutput("value1")
  ,valueBoxOutput("value2")
  ,valueBoxOutput("value3")
)
frow2 <- fluidRow(
  box(
    title = "Revenue per Account"
    ,status = "primary"
    ,solidHeader = TRUE
    ,collapsible = TRUE
    ,plotOutput("revenuebyPrd", height = "300px")
  )
  ,box(
    title = "Revenue per Product"
    ,status = "primary"
    ,solidHeader = TRUE
    ,collapsible = TRUE
    ,plotOutput("revenuebyRegion", height = "300px")
  )
)
frow3 <- fluidRow(
  valueBoxOutput("value4")
  ,valueBoxOutput("value5")
  ,valueBoxOutput("value6")
)
# combine the two fluid rows to make the body
body <- dashboardBody(frow1, frow2,frow3)
#completing the ui part with dashboardPage
```

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ui <- dashboardPage(title = 'This is my Page title', header, sidebar, body, skin='red')
server <- function(input, output) {
 #some data manipulation to derive the values of KPI boxes
 total.revenue <- sum(recommendation$Revenue)
 sales.account <- recommendation %>% group_by(Account) %>% summarise(value = sum(Revenue))
%>% filter(value==max(value))
 prof.prod <- recommendation %>% group_by(Product) %>% summarise(value = sum(Revenue))
%>% filter(value==max(value))
 #creating the valueBoxOutput content
 output$value1 <- renderValueBox({
  valueBox(
   formatC(sales.account$value, format="d", big.mark=',')
   ,paste('Top Account:',sales.account$Account)
   ,icon = icon("stats",lib='glyphicon')
   ,color = "purple")
 })
 output$value2 <- renderValueBox({
  valueBox(
   formatC(total.revenue, format="d", big.mark=',')
   ,'Total Expected Revenue'
   ,icon = icon("gbp",lib='glyphicon')
   ,color = "green")
 })
 output$value3 <- renderValueBox({
  valueBox(
   formatC(prof.prod$value, format="d", big.mark=',')
   ,paste('Top Product:',prof.prod$Product)
   ,icon = icon("menu-hamburger",lib='glyphicon')
   ,color = "yellow")
 })
 #creating the plotOutput content
 output$revenuebyPrd <- renderPlot({
  ggplot(data = recommendation,
       aes(x=Product, y=Revenue, fill=factor(Region))) +
   geom_bar(position = "dodge", stat = "identity") + ylab("Revenue (in Euros)") +
   xlab("Product") + theme(legend.position="bottom"
                ,plot.title = element_text(size=15, face="bold")) +
   ggtitle("Revenue by Product") + labs(fill = "Region")
 })
 output$revenuebyRegion <- renderPlot({
  ggplot(data = recommendation,
       aes(x=Account, y=Revenue, fill=factor(Region))) +
   geom_bar(position = "dodge", stat = "identity") + ylab("Revenue (in Euros)") +
   xlab("Account") + theme(legend.position="bottom"
                ,plot.title = element_text(size=15, face="bold")) +
   ggtitle("Revenue by Region") + labs(fill = "Region")
 })
 output$value4 <- renderValueBox({
```

```
  valueBox(
    formatC(sales.account$value, format="d", big.mark=',')
    ,paste('Top Account:',sales.account$Account)
    ,icon = icon("stats",lib='glyphicon')
    ,color = "purple")
 })
 output$value5 <- renderValueBox({
  valueBox(
    formatC(total.revenue, format="d", big.mark=',')
    ,'Total Expected Revenue'
    ,icon = icon("gbp",lib='glyphicon')
    ,color = "green")
 })
 output$value6 <- renderValueBox({
  valueBox(
    formatC(prof.prod$value, format="d", big.mark=',')
    ,paste('Top Product:',prof.prod$Product)
    ,icon = icon("menu-hamburger",lib='glyphicon')
    ,color = "yellow")
 })
}

shinyApp(ui, server)
```