Basic Skeleton

```
header ← dashboardHeader(title = "")
sidebar ← dashboardSide(
        sideBarMenu(
        menuItem("Dashboard", tbon = icon("dashboard")))
))

frow1 ← fluidRow( )
frow2 ← fluidRow( )
body ← dashboardBody(frow1, frow2)
ui ← dashboardPage(header, sidebar, body, skin = 'red')
server ← function(i/p, o/p){
        output$value ← renderValueBox({ })
                        valueBox( )
        output$value ← renderPlot({ })
}
shinyApp(ui, server)
```

(x) (value)

```
fluidRow( valueBoxOutput("value") )
fluidRow( box(
        title =
        status = "primary"
        solidHeader = TRUE
        plotOutput("name", height = "300px")))

output$value ← renderValueBox({
        valueBox(
        format( (  ),
        paste( , ),
        color = "" ) })
```

```
output$value <- renderPlot({

  ggplot(     ) +
  geom_bar(   ) +
   xlab(  ) +
  ylab(  ) +
  ggtitle(    )  })
```

```
library(shiny)
require
library(shinydashboard)

header
library(ggplot2)
library(dplyr)

recommendation <- read.csv('recommendation.csv',
                           stringAsFactors=F, header=T,
```

headbar ← dashboardHeader (title = "CMP Dashboard")

sidebar ← dashboardSide(

sidebarMenu(

menuItem("Dashboard", tabName = "dashboard",

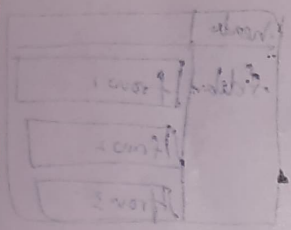
icon = icon("dashboard"))

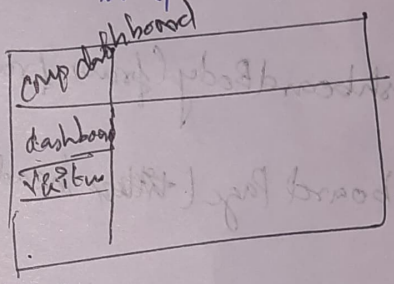
menuItem("visit-u", icon = icon("send", lib = "glyphicon"),

href = "https://www.salesforce.com")

)

)





②

frow1 ← fluidRow(

valueBoxOutput("value1")

valueBoxOutput("value2")

valueBoxOutput("value3")

)

frow2 ← fluidRow(

box(

title = "Revenue per Account",

status = "primary",

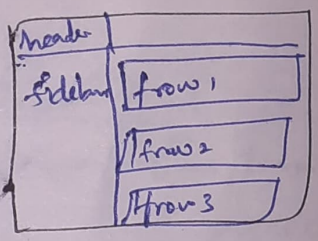
solidHeader = TRUE,

collapsible = TRUE,

plotOutput("revenueByPrd", height = "300px"),

)

```
box(
    title = "Revenue per Product",
    status = "primary",
    solidHeader = TRUE,
    collapsible = TRUE,
    plotOutput("revenueByRegion", height = "300px")
    )
  )
```




```
frow3 <- fluidRow( )

body <- dashboardBody(frow1, frow2, frow3)

ui <- dashboardPage( header, sidebar, body, skin = "red")

server <- function(input, output){

    total.revenue <- sum(recommendation$Revenue)

    sales.account <- recommendation %>% group_by(Account)
                     %>% summarise(value = sum(Revenue))
                     %>% filter(value == max(value))

    prod.prod <- recommendation %>% group_by(Product)
                 %>% summarize(value = sum(Revenue))
                 %>% filter(value == max(value))
```

According to "A"

Value Box Content

```
output$value1 <- renderValueBox({
    valueBox(
        formatC(sales.account$value, format = "d", big.mark = ),
        paste("Top Account :", sale.account$Account),
        icon = ,  color = "purple") })
```

output$value2 ← renderValueBox({

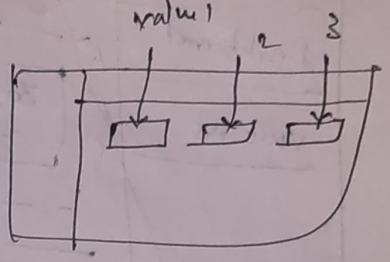
valueBox(

formatC(total.revenue, format = "d", big.mark = ",")

formatting the value

name ← "Total Expected Revenue",

color = "green") })



output$value3 ← renderValueBox {{

valueBox(

formatC(prod.prod$value, format = "d", big.mark = ",")

paste("Top product:", prof.prod$Product),

color = "yellow") })

Plot Content

output$revenuebyProd ← renderPlot({

ggplot(data = recommendation,

aes(x = Product, y = Revenue, fill = factor(Region))) +

geom_bar(position = "dodge", stat = "identity") +

xlab("Product") + ylab("Revenue in (Crores)") +

theme(legend.position = "Bottom") +

ggtitle("") + labs(fill = "Region")

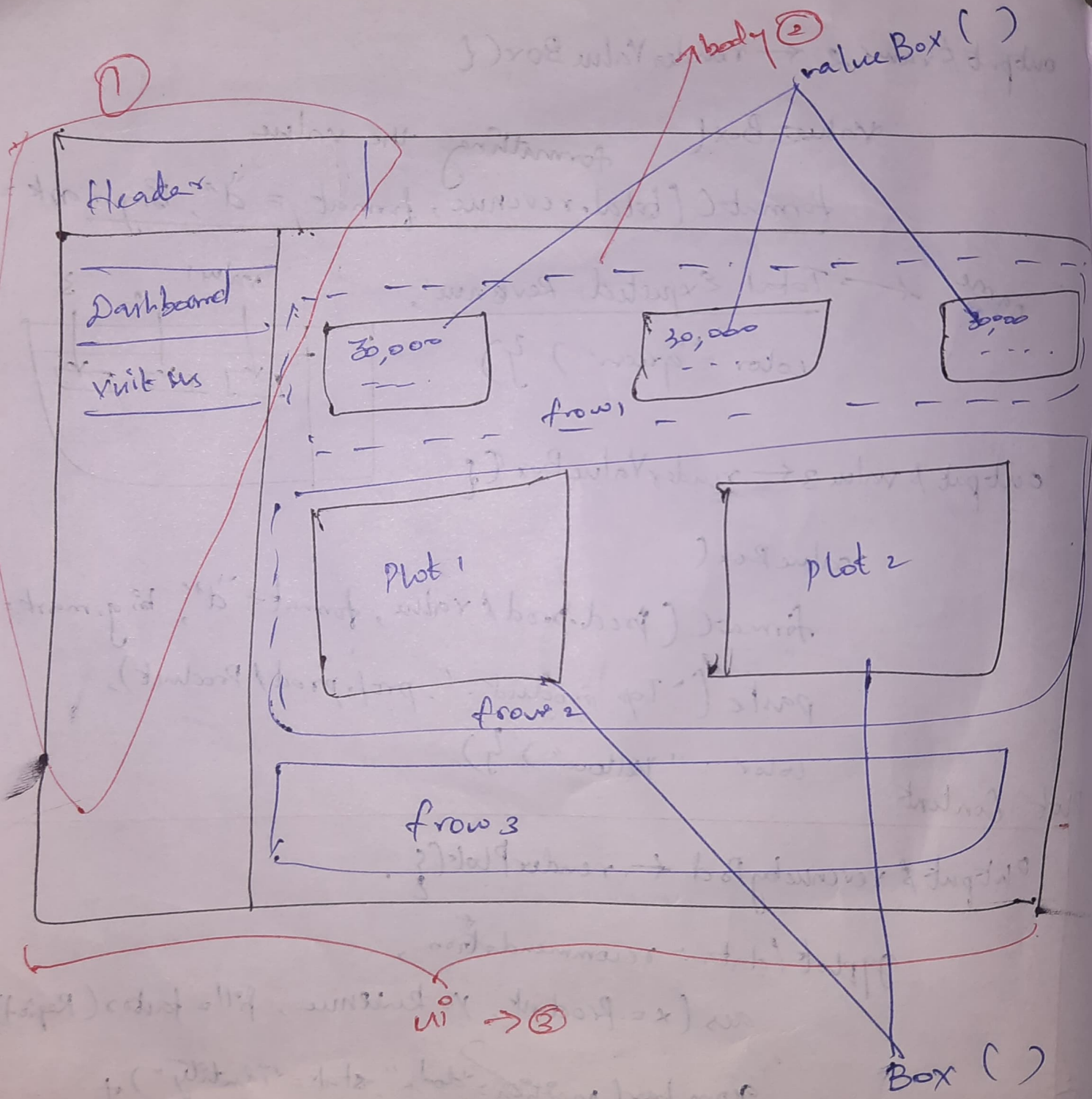
})

output$revenuebyregion ← renderPlot({ })

According to Pr.

}

shinyApp(ui, server).


1
body 2
valueBox ( )
Header
Dashboard
visits
30,000
30,000
30,000
frow1
Plot 1
plot 2
frow 2
frow 3
UI → 3
Box ( )