# Attach necessary packages

library(tidyverse)

library(shiny)

library(shinythemes)

library(rsconnect)

library(shinyWidgets)

#rsconnect for publishing the app

rsconnect::setAccountInfo(name='eltingrosalee', token='C4A30BF752FCCC69631C3EB735764E4B', secret='U9Cvo7bLdpQwe2IxztLyk6NxI/+bt/cZA9M8u++V')

#inputting data

wings\_csv <- read\_csv("spread\_wings\_full\_directory\_cleaned.csv")

#saving as a data frame

wings <- data.frame(wings\_csv)

# Create the user interface:

ui <- fluidPage(theme= shinytheme("slate"),

sidebarLayout(

sidebarPanel(pickerInput("museum", "Choose your museum:",

choices = unique(wings$institution),options = list(`actions-box` = TRUE),multiple = T),

awesomeCheckboxGroup("clade", "Clade:",

choices = unique(wings$clade), width =1, status= "info"),

pickerInput("sex", "Select sex of interest:",

choices = unique(wings$sex),options = list(`actions-box` = TRUE),multiple = T),

h6("Powered by:",height =20),

tags$img(src='be\_logo.png', align = "left", height=200, width=200)),

mainPanel(tableOutput("wingsdata"),

fluid=TRUE)))

# Create the server function:

server <- (function(input, output) {

output$wingsdata <- renderTable({

museumFilter <- subset(wings, wings$institution== input$museum & wings$clade == input$clade & wings$sex == input$sex, c("institution", "clade", "genus", "specificepithet", "infraspecificepithet", "vernacularname", "sex", "catalognumber"))

})

})

# Combine them into an app:

shinyApp(ui = ui, server = server)