← **Quiz 1**
Quiz, 5 questions   **5/5 points (100%)**

✔   **Congratulations! You passed!**   [Next Item]

✔   1 / 1
        points

1.
Which of the following are absolutely necessary for creating a functioning shiny app? (Check all that apply)

☐   A server.R file containing a call to shinyServer()

Correct

☐   A ui.R file containing a call to shinyUI()

Correct

☐   A ui.R file that contains information about the CSS and styling of the App

Un-selected is correct

☐   A shiny.R file containing calls to shinyServer() and shinyUI()

Un-selected is correct

☐   A server.R file that sets configuration options for hosting the App

Un-selected is correct

✔   1 / 1
        points

2.

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5/5 points (100%)

What is incorrect about the following syntax in ui.R?

```
 1  library(shiny)
 2  shinyUI(pageWithSidebar(
 3    headerPanel("Data science FTW!"),
 4    sidebarPanel(
 5       h2('Big text')
 6       h3('Sidebar')
 7    ),
 8    mainPanel(
 9        h3('Main Panel text')
10    )
11  ))
```

○ The h3 command should be an h2 command

○ Missing comma after the h3 command

○ The h2 command does not take text arguments

◉ Missing a comma in the sidebar panel

Correct

✔   1 / 1
points

3.

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5/5 points (100%)

Consider the following in ui.R

```
1   shinyUI(pageWithSidebar(
2       headerPanel("Example plot"),
3       sidebarPanel(
4         sliderInput('mu', 'Guess at the mu',value = 70, min = 60, max = 80, step
              = 0.05,)  ),
5       mainPanel(
6         plotOutput('newHist')
7       )
8   ))
```

And the following in server.R

```
1   library(UsingR)
2   data(galton)
3
4   shinyServer(
5       function(input, output) {
6           output$myHist <- renderPlot({
7               hist(galton$child, xlab='child height', col='lightblue',main
                    ='Histogram')
8               mu <- input$mu
9               lines(c(mu, mu), c(0, 200),col="red",lwd=5)
10              mse <- mean((galton$child - mu)^2)
11              text(63, 150, paste("mu = ", mu))
12              text(63, 140, paste("MSE = ", round(mse, 2)))
13          })      }
14  )
```

Why isn't it doing what we want? (Check all that apply.)

○   The limits of the slider are set incorrectly and giving an error.

○   It should be

```
1   mu <- input$mean
```

in server.R

⊙   The server.R output name isn't the same as the plotOutput command used in ui.R.

Correct

○   The phrase "Guess at the mu value" should say "mean" instead of "mu"

✔   1 / 1
       points

4.

What are the main differences between creating a Shiny Gadget and creating a regular Shiny App? (Check all that apply)

☐   Shiny Gadgets can be run on a user's personal computer, unlike a regular Shiny App which
       needs to be hosted online.

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Un-selected is correct

5/5 points (100%)

☑ Shiny Gadgets are smaller programs and therefore run faster than Shiny Apps.

Un-selected is correct

☑ Shiny Gadgets are designed to have small user interfaces that fit on one page.

Correct

☑ Shiny Gadgets are designed to be used by R users in the middle of a data analysis.

Correct

☑ Shiny Gadgets are specially designed for use on mobile phones and tablet computers.

Un-selected is correct

✔ 1 / 1 points

5.