```
# Load libraries
library(shiny)
library(tidyverse)

# Application Layout
shinyUI(
  fluidPage(
    br(),
    # TASK 1: Application title
    titlePanel(title="Demographics"),
    p("Explore the difference between people who earn less than 50K and more than 50K. You can
filter the data by country, then explore various demogrphic information."),

    # TASK 2: Add first fluidRow to select input for country
    fluidRow(
      column(12,
             wellPanel(selectInput(inputId='country',
                                   label='country',
                                   choices=c('United States',
                                   'Canada',
                                   'Mexico',
                                   'Germany',
                                   'Phillipines')  # add select input
             )
         )
    )
    ),

    # TASK 3: Add second fluidRow to control how to plot the continuous variables
    fluidRow(
      column(3,
             wellPanel(
               p("Select a continuous variable and graph type (histogram or boxplot) to view on
the right."),
               radioButtons(InputId="continuous_variable",
                            label="continuous",
                            choices='age','hours-per-week'),   # add radio buttons for continuous
variables
               radioButtons(InputID='graph_type',
                            label='graph',
                            choices=c('histogram','boxplot'))    # add radio buttons for chart
type
               )
             ),
      column(9, output("p1"))  # add plot output
    ),

    # TASK 4: Add third fluidRow to control how to plot the categorical variables
    fluidRow(
      column(3,
             wellPanel(
               p("Select a categorical variable to view bar chart on the right. Use the check box
to view a stacked bar chart to combine the income levels into one graph. "),
               radioButtons(InputId='categorical_variable',
                            label='categorical',
                            choices=c('education','workclass','sex')),    # add radio buttons for
categorical variables
               checkboxInput(inputId='is_Stacked',value=FALSE)     # add check box input for
stacked bar chart option
               )
             ),
      column(9, output("p2"))  # add plot output
    )
```

)
)