

How to change and a new window in Tk



Now that we have our back-end to your Tkinter GUI application, we're ready to use buttons to navigate to new frames and windows.

What we do here will be your typical methodology for adding more and more pages, basically to infinity.



First, we need to just slightly modify our SeaofBTCapp class. Here's the new full class:



Notice the major change being:

```
for F in (StartPage, PageOne, PageTwo):
    frame = F(container, self)
    self.frames[F] = frame
    frame.grid(row=0, column=0, sticky="nsew")
```

What we do here is populate this tuple with all of the possible pages to our application. This will load all of these pages for us. Within our __init__ method, we're calling StartPage to show first, but later we can call upon show_frame to raise any other frame/window that we please.



So we've created PageOne and PageTwo. We need to have some navigation to these pages from the StartPage, so here's our new StartPage class:

```
class StartPage(tk.Frame):

    def __init__(self, parent, controller):
        tk.Frame.__init__(self,parent)
        label = tk.Label(self, text="Start Page", font=LARGE_FONT)
        label.pack(pady=10,padx=10)
```

```
Dutton.pack()

Home +=1 Support the Content Community

button2 = tk.Button(self, text="Visit Page 2",

command=lambda: controller.show_frame(PageTwo))

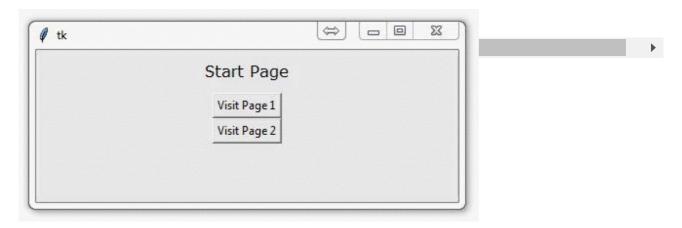
button2.pack()
```

Above, we've added buttons that use controller.show_frame, passing PageOne and PageIwo through as parameters.

Then we just need to create PageOne and PageTwo classes. Easy enough, these can be nearly identical to StartPage:

The only major changes here are the buttons and where they lead to.

Running this code should give you:



In case you got lost, here's the full code:

```
# The code for changing pages was derived from: http://stackoverflow.com/qu
# License: http://creativecommons.org/licenses/by-sa/3.0/
```

```
LARGE_FONT= ("Verdana", 12)ome +=1
                                        Support the Content Community
                                  Sign up
class SeaofBTCapp(tk.Tk):
   def __init__(self, *args, **kwargs):
        tk.Tk. init__(self, *args, **kwargs)
        container = tk.Frame(self)
        container.pack(side="top", fill="both", expand = True)
        container.grid rowconfigure(0, weight=1)
        container.grid columnconfigure(0, weight=1)
        self.frames = {}
        for F in (StartPage, PageOne, PageTwo):
            frame = F(container, self)
            self.frames[F] = frame
            frame.grid(row=0, column=0, sticky="nsew")
        self.show_frame(StartPage)
    def show frame(self, cont):
        frame = self.frames[cont]
        frame.tkraise()
class StartPage(tk.Frame):
    def init (self, parent, controller):
        tk.Frame. init (self,parent)
        label = tk.Label(self, text="Start Page", font=LARGE FONT)
        label.pack(pady=10,padx=10)
        button = tk.Button(self, text="Visit Page 1",
```

```
button2 = tk.Button(self, text="VsiusiptorPalge C2)htent
                                                            Community
                            command=lambda: controller.show frame(PageTwo))
        button2.pack()
                          Log in
                                  Sign up
class PageOne(tk.Frame):
    def __init__(self, parent, controller):
        tk.Frame.__init__(self, parent)
        label = tk.Label(self, text="Page One!!!", font=LARGE FONT)
        label.pack(pady=10,padx=10)
        button1 = tk.Button(self, text="Back to Home",
                            command=lambda: controller.show frame(StartPage
        button1.pack()
        button2 = tk.Button(self, text="Page Two",
                            command=lambda: controller.show_frame(PageTwo))
        button2.pack()
class PageTwo(tk.Frame):
    def init (self, parent, controller):
        tk.Frame. init (self, parent)
        label = tk.Label(self, text="Page Two!!!", font=LARGE_FONT)
        label.pack(pady=10,padx=10)
        button1 = tk.Button(self, text="Back to Home",
                            command=lambda: controller.show frame(StartPage
        button1.pack()
        button2 = tk.Button(self, text="Page One",
                            command=lambda: controller.show_frame(PageOne))
        button2.pack()
app = SeaofBTCapp()
app.mainloop()
```



There exists 2 quiz/question(s) for this tutorial.

Support the Confident

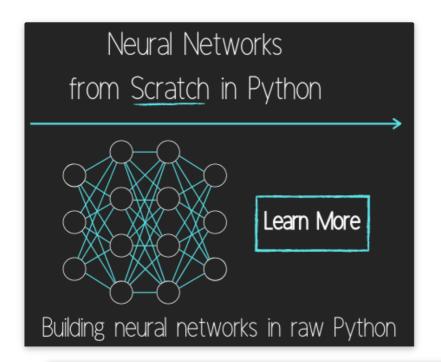
for accessito these,

video downloads, and no ads.

Log in Sign up

The next tutorial:

Styling Your GUI A Bit Using TTK



Programming GUIs and windows with Tkinter and Python Introduction

Object Oriented Programming Crash Course with Tkinter

Passing functions with Parameters in Tkinter using Lambda

How to change and show a new window in Tkinter

Styling your GUI a bit using TTK

How to embed a Matplotlib graph to your Tkinter GUI

How to make the Matplotlib graph live in your application



Plotting Live Updating Data in Matplotlib and our Tkinter GUI Home +=1 Support the Content Community
Customizing an embedded Matplotlib Graph in Tkinter Log in Sign up
Creating our Main Menu in Tkinter
Building a pop-up message window
Exchange Choice Option
Time-frame and sample size option
Adding indicator Menus (3 videos)
Trading option, start/stop, and help menu options
Tutorial on adding a tutorial
Allowing the exchange choice option to affect actual shown exchange
Adding exchange choice cont'd
Adding exchange choices part 3
Indicator Support
Pulling data from the Sea of BTC API
Setting up sub plots within our Tkinter GUI
Graphing an OHLC candlestick graph embedded in our Tkinter GUI
Acquiring RSI data from Sea of BTC API
Acquiring MACD data from Sea of BTC API
Converting Tkinter application to .exe and installer with cx_Freeze



Home +=1 Support the Content Community

Log in Sign up

Shop The Latest adidas®

adidas Flagship Store New York New York 10AM-8PM

You've reached the end!

Contact: Harrison@pythonprogramming.net.

Support this Website!

Consulting and Contracting

Facebook

Twitter

Instagram

Legal stuff:

Terms and Conditions

Privacy Policy



Programming is a superpower.