import tkinter as tk

import time

#balance of your account

current\_balance = 1000

class SampleApp(tk.Tk):

def \_\_init\_\_(self, \*args, \*\*kwargs):

tk.Tk.\_\_init\_\_(self, \*args, \*\*kwargs)

self.shared\_data = {'Balance':tk.IntVar()}

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, MenuPage, WithdrawPage, DepositPage, BalancePage):

page\_name = F.\_\_name\_\_

frame = F(parent=container, controller=self)

self.frames[page\_name] = frame

# put all of the pages in the same location;

# the one on the top of the stacking order

# will be the one that is visible.

frame.grid(row=0, column=0, sticky="nsew")

self.show\_frame("StartPage")

def show\_frame(self, page\_name):

'''Show a frame for the given page name'''

frame = self.frames[page\_name]

frame.tkraise()

class StartPage(tk.Frame):

def \_\_init\_\_(self, parent, controller):

tk.Frame.\_\_init\_\_(self, parent,bg='#3d3d5c')

self.controller = controller

self.controller.title('Securitex')

self.controller.state('zoomed')

#self.controller.iconphoto(False,tk.PhotoImage(file='C:/Users/urban boutique/Documents/atm tutorial/atm.png'))

heading\_label = tk.Label(self,

text='SECURITEX ATM',

font=('orbitron',45,'bold'),

foreground='#ffffff',

background='#3d3d5c')

heading\_label.pack(pady=25)

space\_label = tk.Label(self,height=4,bg='#3d3d5c')

space\_label.pack()

password\_label = tk.Label(self,

text='Enter your password',

font=('orbitron',13),

bg='#3d3d5c',

fg='white')

password\_label.pack(pady=10)

my\_password = tk.StringVar()

password\_entry\_box = tk.Entry(self,

textvariable=my\_password,

font=('orbitron',12),

width=22)

password\_entry\_box.focus\_set()

password\_entry\_box.pack(ipady=7)

def handle\_focus\_in(\_):

password\_entry\_box.configure(fg='black',show='\*')

password\_entry\_box.bind('<FocusIn>',handle\_focus\_in)

#checks your password

def check\_password():

if my\_password.get() == '123':

my\_password.set('')

incorrect\_password\_label['text']=''

controller.show\_frame('MenuPage')

else:

incorrect\_password\_label['text']='Incorrect Password'

enter\_button = tk.Button(self,

text='Enter',

command=check\_password,

relief='raised',

borderwidth = 3,

width=40,

height=3)

enter\_button.pack(pady=10)

incorrect\_password\_label = tk.Label(self,

text='',

font=('orbitron',13),

fg='white',

bg='#33334d',

anchor='n')

incorrect\_password\_label.pack(fill='both',expand=True)

bottom\_frame = tk.Frame(self,relief='raised',borderwidth=3)

bottom\_frame.pack(fill='x',side='bottom')

visa\_photo = tk.PhotoImage(file='visa.png')

visa\_label = tk.Label(bottom\_frame,image=visa\_photo)

visa\_label.pack(side='left')

visa\_label.image = visa\_photo

mastercard\_photo = tk.PhotoImage(file='mastercard.png')

mastercard\_label = tk.Label(bottom\_frame,image=mastercard\_photo)

mastercard\_label.pack(side='left')

mastercard\_label.image = mastercard\_photo

american\_express\_photo = tk.PhotoImage(file='american-express.png')

american\_express\_label = tk.Label(bottom\_frame,image=american\_express\_photo)

american\_express\_label.pack(side='left')

american\_express\_label.image = american\_express\_photo

def tick():

current\_time = time.strftime('%I:%M %p').lstrip('0').replace(' 0',' ')

time\_label.config(text=current\_time)

time\_label.after(200,tick)

time\_label = tk.Label(bottom\_frame,font=('orbitron',12))

time\_label.pack(side='right')

tick()

#This is the main menu page

class MenuPage(tk.Frame):

def \_\_init\_\_(self, parent, controller):

tk.Frame.\_\_init\_\_(self, parent,bg='#3d3d5c')

self.controller = controller

heading\_label = tk.Label(self,

text='SECURITEX ATM',

font=('orbitron',45,'bold'),

foreground='#ffffff',

background='#3d3d5c')

heading\_label.pack(pady=25)

main\_menu\_label = tk.Label(self,

text='Main Menu',

font=('orbitron',13),

fg='white',

bg='#3d3d5c')

main\_menu\_label.pack()

selection\_label = tk.Label(self,

text='Please make a selection',

font=('orbitron',13),

fg='white',

bg='#3d3d5c',

anchor='w')

selection\_label.pack(fill='x')

button\_frame = tk.Frame(self,bg='#33334d')

button\_frame.pack(fill='both',expand=True)

def withdraw():

controller.show\_frame('WithdrawPage')

withdraw\_button = tk.Button(button\_frame,

text='Withdraw',

command=withdraw,

relief='raised',

borderwidth=3,

width=50,

height=5)

withdraw\_button.grid(row=0,column=0,pady=5)

def deposit():

controller.show\_frame('DepositPage')

deposit\_button = tk.Button(button\_frame,

text='Deposit',

command=deposit,

relief='raised',

borderwidth=3,

width=50,

height=5)

deposit\_button.grid(row=1,column=0,pady=5)

def balance():

controller.show\_frame('BalancePage')

balance\_button = tk.Button(button\_frame,

text='Balance',

command=balance,

relief='raised',

borderwidth=3,

width=50,

height=5)

balance\_button.grid(row=2,column=0,pady=5)

def exit():

controller.show\_frame('StartPage')

exit\_button = tk.Button(button\_frame,

text='Exit',

command=exit,

relief='raised',

borderwidth=3,

width=50,

height=5)

exit\_button.grid(row=3,column=0,pady=5)

bottom\_frame = tk.Frame(self,relief='raised',borderwidth=3)

bottom\_frame.pack(fill='x',side='bottom')

visa\_photo = tk.PhotoImage(file='visa.png')

visa\_label = tk.Label(bottom\_frame,image=visa\_photo)

visa\_label.pack(side='left')

visa\_label.image = visa\_photo

mastercard\_photo = tk.PhotoImage(file='mastercard.png')

mastercard\_label = tk.Label(bottom\_frame,image=mastercard\_photo)

mastercard\_label.pack(side='left')

mastercard\_label.image = mastercard\_photo

american\_express\_photo = tk.PhotoImage(file='american-express.png')

american\_express\_label = tk.Label(bottom\_frame,image=american\_express\_photo)

american\_express\_label.pack(side='left')

american\_express\_label.image = american\_express\_photo

def tick():

current\_time = time.strftime('%I:%M %p').lstrip('0').replace(' 0',' ')

time\_label.config(text=current\_time)

time\_label.after(200,tick)

time\_label = tk.Label(bottom\_frame,font=('orbitron',12))

time\_label.pack(side='right')

tick()

class WithdrawPage(tk.Frame):

def \_\_init\_\_(self, parent, controller):

tk.Frame.\_\_init\_\_(self, parent,bg='#3d3d5c')

self.controller = controller

heading\_label = tk.Label(self,

text='SECURITEX ATM',

font=('orbitron',45,'bold'),

foreground='#ffffff',

background='#3d3d5c')

heading\_label.pack(pady=25)

choose\_amount\_label = tk.Label(self,

text='Choose the amount you want to withdraw',

font=('orbitron',13),

fg='white',

bg='#3d3d5c')

choose\_amount\_label.pack()

button\_frame = tk.Frame(self,bg='#33334d')

button\_frame.pack(fill='both',expand=True)

def withdraw(amount):

global current\_balance

current\_balance -= amount

controller.shared\_data['Balance'].set(current\_balance)

controller.show\_frame('MenuPage')

twenty\_button = tk.Button(button\_frame,

text='20',

command=lambda:withdraw(20),

relief='raised',

borderwidth=3,

width=50,

height=5)

twenty\_button.grid(row=0,column=0,pady=5)

forty\_button = tk.Button(button\_frame,

text='40',

command=lambda:withdraw(40),

relief='raised',

borderwidth=3,

width=50,

height=5)

forty\_button.grid(row=1,column=0,pady=5)

sixty\_button = tk.Button(button\_frame,

text='60',

command=lambda:withdraw(60),

relief='raised',

borderwidth=3,

width=50,

height=5)

sixty\_button.grid(row=2,column=0,pady=5)

eighty\_button = tk.Button(button\_frame,

text='80',

command=lambda:withdraw(80),

relief='raised',

borderwidth=3,

width=50,

height=5)

eighty\_button.grid(row=3,column=0,pady=5)

one\_hundred\_button = tk.Button(button\_frame,

text='100',

command=lambda:withdraw(100),

relief='raised',

borderwidth=3,

width=50,

height=5)

one\_hundred\_button.grid(row=0,column=1,pady=5,padx=555)

two\_hundred\_button = tk.Button(button\_frame,

text='200',

command=lambda:withdraw(200),

relief='raised',

borderwidth=3,

width=50,

height=5)

two\_hundred\_button.grid(row=1,column=1,pady=5)

three\_hundred\_button = tk.Button(button\_frame,

text='300',

command=lambda:withdraw(300),

relief='raised',

borderwidth=3,

width=50,

height=5)

three\_hundred\_button.grid(row=2,column=1,pady=5)

cash = tk.StringVar()

other\_amount\_entry = tk.Entry(button\_frame,

textvariable=cash,

width=59,

justify='right')

other\_amount\_entry.grid(row=3,column=1,pady=5,ipady=30)

def other\_amount(\_):

global current\_balance

current\_balance -= int(cash.get())

controller.shared\_data['Balance'].set(current\_balance)

cash.set('')

controller.show\_frame('MenuPage')

other\_amount\_entry.bind('<Return>',other\_amount)

bottom\_frame = tk.Frame(self,relief='raised',borderwidth=3)

bottom\_frame.pack(fill='x',side='bottom')

visa\_photo = tk.PhotoImage(file='visa.png')

visa\_label = tk.Label(bottom\_frame,image=visa\_photo)

visa\_label.pack(side='left')

visa\_label.image = visa\_photo

mastercard\_photo = tk.PhotoImage(file='mastercard.png')

mastercard\_label = tk.Label(bottom\_frame,image=mastercard\_photo)

mastercard\_label.pack(side='left')

mastercard\_label.image = mastercard\_photo

american\_express\_photo = tk.PhotoImage(file='american-express.png')

american\_express\_label = tk.Label(bottom\_frame,image=american\_express\_photo)

american\_express\_label.pack(side='left')

american\_express\_label.image = american\_express\_photo

def tick():

current\_time = time.strftime('%I:%M %p').lstrip('0').replace(' 0',' ')

time\_label.config(text=current\_time)

time\_label.after(200,tick)

time\_label = tk.Label(bottom\_frame,font=('orbitron',12))

time\_label.pack(side='right')

tick()

class DepositPage(tk.Frame):

def \_\_init\_\_(self, parent, controller):

tk.Frame.\_\_init\_\_(self, parent,bg='#3d3d5c')

self.controller = controller

heading\_label = tk.Label(self,

text='SECURITEX ATM',

font=('orbitron',45,'bold'),

foreground='#ffffff',

background='#3d3d5c')

heading\_label.pack(pady=25)

space\_label = tk.Label(self,height=4,bg='#3d3d5c')

space\_label.pack()

enter\_amount\_label = tk.Label(self,

text='Enter amount',

font=('orbitron',13),

bg='#3d3d5c',

fg='white')

enter\_amount\_label.pack(pady=10)

cash = tk.StringVar()

deposit\_entry = tk.Entry(self,

textvariable=cash,

font=('orbitron',12),

width=22)

deposit\_entry.pack(ipady=7)

def deposit\_cash():

global current\_balance

current\_balance += int(cash.get())

controller.shared\_data['Balance'].set(current\_balance)

controller.show\_frame('MenuPage')

cash.set('')

enter\_button = tk.Button(self,

text='Enter',

command=deposit\_cash,

relief='raised',

borderwidth=3,

width=40,

height=3)

enter\_button.pack(pady=10)

two\_tone\_label = tk.Label(self,bg='#33334d')

two\_tone\_label.pack(fill='both',expand=True)

bottom\_frame = tk.Frame(self,relief='raised',borderwidth=3)

bottom\_frame.pack(fill='x',side='bottom')

visa\_photo = tk.PhotoImage(file='visa.png')

visa\_label = tk.Label(bottom\_frame,image=visa\_photo)

visa\_label.pack(side='left')

visa\_label.image = visa\_photo

mastercard\_photo = tk.PhotoImage(file='mastercard.png')

mastercard\_label = tk.Label(bottom\_frame,image=mastercard\_photo)

mastercard\_label.pack(side='left')

mastercard\_label.image = mastercard\_photo

american\_express\_photo = tk.PhotoImage(file='american-express.png')

american\_express\_label = tk.Label(bottom\_frame,image=american\_express\_photo)

american\_express\_label.pack(side='left')

american\_express\_label.image = american\_express\_photo

def tick():

current\_time = time.strftime('%I:%M %p').lstrip('0').replace(' 0',' ')

time\_label.config(text=current\_time)

time\_label.after(200,tick)

time\_label = tk.Label(bottom\_frame,font=('orbitron',12))

time\_label.pack(side='right')

tick()

class BalancePage(tk.Frame):

def \_\_init\_\_(self, parent, controller):

tk.Frame.\_\_init\_\_(self, parent,bg='#3d3d5c')

self.controller = controller

heading\_label = tk.Label(self,

text='SECURITEX ATM',

font=('orbitron',45,'bold'),

foreground='#ffffff',

background='#3d3d5c')

heading\_label.pack(pady=25)

global current\_balance

controller.shared\_data['Balance'].set(current\_balance)

balance\_label = tk.Label(self,

textvariable=controller.shared\_data['Balance'],

font=('orbitron',13),

fg='white',

bg='#3d3d5c',

anchor='w')

balance\_label.pack(fill='x')

button\_frame = tk.Frame(self,bg='#33334d')

button\_frame.pack(fill='both',expand=True)

def menu():

controller.show\_frame('MenuPage')

menu\_button = tk.Button(button\_frame,

command=menu,

text='Menu',

relief='raised',

borderwidth=3,

width=50,

height=5)

menu\_button.grid(row=0,column=0,pady=5)

def exit():

controller.show\_frame('StartPage')

exit\_button = tk.Button(button\_frame,

text='Exit',

command=exit,

relief='raised',

borderwidth=3,

width=50,

height=5)

exit\_button.grid(row=1,column=0,pady=5)

bottom\_frame = tk.Frame(self,relief='raised',borderwidth=3)

bottom\_frame.pack(fill='x',side='bottom')

visa\_photo = tk.PhotoImage(file='visa.png')

visa\_label = tk.Label(bottom\_frame,image=visa\_photo)

visa\_label.pack(side='left')

visa\_label.image = visa\_photo

mastercard\_photo = tk.PhotoImage(file='mastercard.png')

mastercard\_label = tk.Label(bottom\_frame,image=mastercard\_photo)

mastercard\_label.pack(side='left')

mastercard\_label.image = mastercard\_photo

american\_express\_photo = tk.PhotoImage(file='american-express.png')

american\_express\_label = tk.Label(bottom\_frame,image=american\_express\_photo)

american\_express\_label.pack(side='left')

american\_express\_label.image = american\_express\_photo

def tick():

current\_time = time.strftime('%I:%M %p').lstrip('0').replace(' 0',' ')

time\_label.config(text=current\_time)

time\_label.after(200,tick)

time\_label = tk.Label(bottom\_frame,font=('orbitron',12))

time\_label.pack(side='right')

tick()

if \_\_name\_\_ == "\_\_main\_\_":

app = SampleApp()

app.mainloop()