

fkos.py

```

1
2 from tkinter import*
3 from tkinter import messagebox
4 import os
5 from math import*
6 import urllib.parse
7 import webbrowser
8 import time
9
10
11 # #6be4ce light colour #21d1b3 dark colour wallpaper colours
12 # #007166 default theme
13
14
15 def global_click_handler(event): #handles all clicks #removedclickin out and checkin out for better usage and functionality in
this code
16     widget = event.widget
17
18     if widget != searchbar:
19         if searchbar.get() == '':
20             searchbar.insert(0, 'Search Anything')
21             searchbar.config(fg='gray')
22             win.focus_set()
23         else:
24             if searchbar.get() == 'Search Anything':
25                 searchbar.delete(0, END)
26                 searchbar.config(fg='black')
27     if widget != signin:
28         if signin.get() == '':
29             signin.insert(0, 'Password')
30             signin.config(fg='gray', show='')
31         else:
32             if signin.get() == 'Password':
33                 signin.delete(0, END)
34                 signin.config(fg='black', show= '*')
35     if widget not in (signin, searchbar):
36         win.focus_set()
37
38
39
40 def delsear():
41     searchbar.delete(0,END)
42     searchbar.insert(0,'Search Anything')
43     searchbar.config(fg="gray")
44     win.focus()
45 def search():
46     query = searchbar.get()
47     if query and query != 'Search Anything':
48         try:
49             url = "https://www.google.com/search?q=" + urllib.parse.quote(query) #convert the search in a+b+c format more url
friendly
50             webbrowser.open_new_tab(url) #open in new tab not new chrome
51         except Exception as e:
52             messagebox.showerror("Error", f"Could not open browser:\n{e}")
53     else:
54         messagebox.showerror("Error", 'Search something')
55
56
57 def checkpass():
58     passw=signin.get()
59     if passw=='1234':
60         time.sleep(2)
61         signf.destroy()
62         entryscreen.update()
63         entryscreen.destroy()
64
65
66
67
68
69 def fundang(): #afun easter egg just for whow may delete in future
70     dangwin=Toplevel()
71     dangwin.geometry("800x500+300+150")
72     dangwin.config(bg="#007166")

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73 danglab=Label(dangwin,image=dangerpic,bg='#007166')
74 danglab2=Label(dangwin,text="WHY DID YOU OPENED IT ",font=(30),bg='#007166')
75 danglab3=Label(dangwin,text="WHY WHY WHY ... ",font=(30),bg='#007166')
76 danglab4=Label(dangwin,text="WHY YOU KILLED ME ",font=(30),bg='#007166')
77 danglab.pack(fill=BOTH)
78 danglab2.pack(fill=BOTH)
79 danglab3.pack(fill=BOTH)
80 danglab4.pack(fill=BOTH)
81
82 dangwin.update() # Force window to render before freezing bcs as soon as fucntion is loaded it frezzes bcs of sleep
83 time.sleep(5)
84 quit()
85
86
87 def open_folder(path): #open actual path of folder
88     explorer = Toplevel()
89     explorer.title(f"Explorer - {os.path.basename(path)}") # Set window title as folder name f'{x}' is use to incoperate variable
in strig
90     explorer.geometry("800x500+300+150") # Size and position
91     explorer.config(bg="#007166") # FKOS theme
92     explorer.iconphoto(True, mycpic) # Same icon as "My PC"
93     current_path = StringVar(value=path) # Track current folder path does like intvar stringvar is use to store dynamic text
94
95     listbox=Listbox(explorer,bg="#007166",font=('Segoe UI',18,'bold'),selectbackground='#21d1b3',relief="flat",
highlightthickness=0, bd=0)
96     listbox.pack(fill=BOTH, expand=True, padx=10, pady=10)
97     #fill=both will allow to listbox to expand in both side in window
98     #expand =true allow listbox to take as much space as required
99     #pad x/y adds padding as before
100
101
102 def list_folder(p):
103     try:
104         files=os.listdir(p) #get the content of folder
105     except:
106         messagebox.showerror("ERROR",f"file {p} not found") #messagebox.showerror("title","message")
107         return
108     listbox.delete(0,END) #clear old entries
109     for f in files:
110         listbox.insert(END,f)
111     current_path.set(p) #update tracker to show which folder you re in
112     win.config(cursor='dotbox')
113
114
115 def double_click(event):
116     selected=listbox.get(listbox.curselection()) #what user double click
117     new_path=os.path.join(current_path.get(),selected) #create full path
118
119     if os.path.isdir(new_path): # checks if its a folder and if it is go inside
120         list_folder(new_path)
121     else:
122         try:
123             os.startfile(new_path) #if files open by default
124         except:
125             messagebox.showerror("ERROR",f"File {new_path} can't be accessed")
126     listbox.bind("<Double-Button-1>",double_click)
127     list_folder(path)
128
129
130 def mypc():
131     pc=Toplevel()
132     fpic_local=PhotoImage(file='folder 100.png').zoom(2,2)
133     pc.config(background='#007166')
134     pc.geometry('1200x720+200+100')
135     pc.title('My pc')
136     pc.iconphoto(True,mycpic)
137     folA=Button(pc,
138                 image=fpic_local,
139                 bg="#007166",activebackground='#007166',
140                 relief='flat',bd=0,highlightthickness=0,
141                 command=lambda:open_folder(r'F:\folder A'),
142                 text='Folder A',font=('Segoe UI',18,'bold'),compound='top',) #open actual folder r'F:/folderA' is use bcs \f is
escape command
143     folA.image = fpic_local #preserve the image
144     folA.place(x=45,y=30)
145     folB=Button(pc,

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146         image=fpic_local,
147         bg="#007166",activebackground='#007166',
148         relief='flat',bd=0,highlightthickness=0,
149         command=lambda:open_folder(r'F:\folder B'),
150         text='Folder B',font=('Segoe UI',18,'bold'),compound='top') #open actual folder    r'F:/folderA' is use bcs \f is
escape command
151     folB.image = fpic_local    #preserve the image
152     folB.place(x=345,y=30)
153
154
155
156 win=Tk()
157
158 walp=PhotoImage(file="wallpaper.png")
159 fpic=PhotoImage(file='folder.png')
160 mypcpic=PhotoImage(file='my pc.png')
161 calpic=PhotoImage(file="calculator.png")
162 searchpic=PhotoImage(file='search40.png')
163 dangerpic=PhotoImage(file="danger100.png")
164 userpic=PhotoImage(file='user logo.png')
165
166 win.attributes('-fullscreen',True)
167 wallpaper=Label(image=walp)
168 wallpaper.place(x=0,y=0)
169 icon=PhotoImage(file='logo.png')
170 win.iconphoto(True,icon)
171 win.title("FKOS")
172 tpc=Button(image=mypcpic,bg='#6be4ce',activebackground='#6be4ce',
173           relief='flat',bd=0,highlightthickness=0,           #for making button flat
174           text='My pc',font=('Segoe UI',9,'bold'),compound='top',
175           command=mypc)
176 tpc.place(x=15,y=25)
177
178
179 tcalc=Button(image=calpic,bg='#6be4ce',activebackground='#6be4ce',
180           relief='flat',bd=0,highlightthickness=0,           #for making button flat
181           text='Calculator',font=('Segoe UI',9,'bold'),compound='top',)
182 tcalc.place(x=15,y=150)
183
184
185 dang=Button(win,image=dangerpic,text="DONT'T OPEN",font=('Segoe
186 UI',9,'bold'),relief='flat',bd=0,highlightthickness=0,bg='#6be4ce',activebackground='#6be4ce',compound='top',command=fundang)
187 dang.place(x=15,y=275)
188
189
190 taskbar1=Label(win,bg="#37FFEB",height=37,width=130)
191 taskbar1.place(x=0,y=1043)
192
193 taskbar2=Label(win,bg="#37FFEB",height=37,width=145)
194 taskbar2.place(x=1000,y=1043)
195
196 searchbar=Entry(win,font=('Segoe UI',20,),fg="gray",relief='flat',bd=0,highlightthickness=0)
197 searchbar.insert(0,'Search Anything')
198 searchbar.config(width=23)
199 searchbar.place(x=740,y=1043)
200
201 delsearch=Button(win,text='X',font=("Verdana", 20,
202 "bold"),fg="gray",bg='FFFFFF',activebackground='FFFFFF',relief='flat',bd=0,highlightthickness=0,command=delsear)
203 delsearch.place(x=1086,y=1043)
204
205 searchbut=Button(win,image=searchpic,bg='#37FFEB',activebackground='#37FFEB',relief='flat',bd=0,highlightthickness=0,command=search)
206 searchbut.place(x=1136,y=1043)
207 searchbar.bind("<Return>", lambda event: search())
208
209 entryscreen=Frame(win,bg='#b1f8eb')
210 entryscreen.pack(fill=BOTH,expand=True)           # for experiment of login screen simulation
211 user=Label(entryscreen,image=userpic,bg="#b1f8eb",text='Wellcome User',fg='#6be4ce',font=('lucida handwriting', 20
212 , 'bold'),compound=TOP)
213 user.place(relx=0.5,relx=0.5,anchor=CENTER)
214
215 signf=Frame(entryscreen,bg='#b1f8eb')
216 signin=Entry(signf,fg='gray',bg='#6be4ce',font=('impact',18))
217 signin.insert(0,'Password')

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```
218
219 signin.bind("<Return>", lambda event: checkpass())
220
221 signin.pack(side=LEFT)
222 sbut=Button(signf, fg="#1d5248", activeforeground='#1d5248', bg='#6be4ce', activebackground='#6be4ce', text='ENTER', font=
('impact', 13), relief='flat', bd=0, highlightthickness=0, command=checkpass)
223 sbut.pack(side=LEFT)
224 signf.place(relx=0.5, rely=0.6, anchor=CENTER)
225 signf.lift()
226 signin.lift()
227 signin.bind('Return', lambda event: checkpass())
228
229
230 win.config(cursor='dotbox')
231 win.bind_all('<Button-1>', global_click_handler, add='+') #call all clicks
232
233
234 bl=Frame(entriyscreen, bg='black')
235 bl.pack(fill=BOTH, expand=True)
236 logo=Label(bl, image=icon, bg='black')
237 logo.place(relx=0.5, rely=0.5, anchor=CENTER)
238 bl.lift()
239 logo.lift()
240 win.update()
241 time.sleep(2)
242 bl.destroy()
243
244
245 win.mainloop()
246 #all icons used are from icon8.com
```