

Animal_Taxonomy_Ctk_Main.py

```

1  from customtkinter import *
2  from subprocess import call
3  from PIL import Image
4  import os
5  import sqlite3
6  from tkinter import messagebox
7  from Global_Config import *
8
9  root = CTk()
10
11  centreScreen(root, root,600,600)
12  root.title("Animal Taxonomy")
13  root.maxsize(width = 600, height = 600)
14
15  root.iconbitmap(r"icon/favicon6.ico")
16  set_appearance_mode("Dark")
17
18  con = sqlite3.connect("Animal_Taxonomy_Db.db")
19  cur = con.cursor()
20
21  global glb_current_working_directory
22  glb_current_working_directory = os.path.dirname(os.path.realpath(__file__))
23
24  def validation():
25      username = username_entry.get()
26      password = password_entry.get()
27      if username == "" or password == "":
28          username_entry.configure(border_color = "red")
29          password_entry.configure(border_color = "red")
30      else :
31          tmp_qry = "SELECT Username, Password FROM User_details WHERE Username = '"+username+"
' AND Password = '"+password+"' AND Active = 1"
32          cur.execute(tmp_qry)
33          row = cur.fetchone()
34          if row :
35              def admin_console():
36                  login.destroy()
37                  call(["python", glb_current_working_directory + "
/Animal_Taxonomy_CTk_Admin_Console.py"])
38                  admin_console()
39              else:
40                  error_label = CTkLabel(login_frame, text = "Username or password is wrong", font
= ("Bradley Hand ITC" , 15, "italic", "bold"), text_color = "red")
41                  error_label.place(x = 75, y = 170)
42
43  welcome_text = "WELCOME"
44
45  def redirect_to_user(_isadmin = False):
46      if _isadmin:
47          login_text = "LOGIN"
48          global login
49          login = CTk()
50          login.iconbitmap(r"icon/favicon6.ico"), root
51          login.title("Admin Login")

```

```

52     login.maxsize(width = 400, height = 200)
53
54     global login_frame
55     login_frame = CTkFrame(login, border_color = "#FFCC70", border_width = 2, width =
400, height = 200)
56     login_frame.pack()
57
58     login_label = CTkLabel(login_frame, text = login_text, font = ("Bradley Hand ITC" ,
40, "italic", "bold"), text_color = "#c850c0")
59     login_label.place(x = 130, y = 5)
60
61     username_label = CTkLabel(login_frame, text = "Username :-", font = ("Bradley Hand
ITC" , 20, "italic", "bold"), text_color = "dodgerblue3")
62     username_label.place(x = 15, y = 70)
63
64     global username_entry
65     username_entry = CTkEntry(login_frame, text_color = "#c850c0")
66     username_entry.place(x = 170, y = 70)
67
68     password_label = CTkLabel(login_frame, text = "Password:-", font = ("Bradley Hand
ITC" , 20, "italic", "bold"), text_color = "dodgerblue3")
69     password_label.place(x = 15, y = 110)
70
71     global password_entry
72     password_entry = CTkEntry(login_frame, show = "*", text_color = "#c850c0")
73     password_entry.place(x = 170, y = 110)
74
75     submit_btn = CTkButton(login_frame, height = 15, text = "Submit", fg_color = "
dodgerblue3", hover_color = "#c850c0", corner_radius = 35,
76                             command = lambda: validation())
77     submit_btn.place(x = 45, y = 150)
78
79     def back_to_main_console():
80         login.destroy()
81         call(["python", glb_current_working_directory + "/Animal_Taxonomy_Ctk_Main.py"])
82
83     cancel_btn = CTkButton(login_frame, height = 15, text = "Back", fg_color = "
dodgerblue3", hover_color = "#c850c0", corner_radius = 35,
84                             command = lambda: (back_to_main_console()))
85     cancel_btn.place(x = 210, y = 150)
86
87     root.destroy()
88     login.mainloop()
89
90     else:
91         def guest_console():
92             root.destroy()
93             call(["python", glb_current_working_directory + "
/Animal_Taxonomy_Ctk_Guest_Console.py"])
94             guest_console()
95
96     content_frame = CTkFrame(root, border_color = "#FFCC70", border_width = 2, width = 600,
height = 600)
97
98     welcome_message = CTkLabel(content_frame, text = welcome_text, font = ("Brush Script MT" ,
50, "italic" ))
99     welcome_message.place(x = (600/2-len(welcome_text)//2)-100, y = 200)
100

```

```
101 welcome_message = CTKLabel(content_frame, text = "To the world of animals", font = ("Brush  
Script MT" , 18, "italic" ))  
102 welcome_message.place(x = (600/2-len(welcome_text)//2)-50, y = 280)  
103  
104 guest_mode_btn = CTKButton(content_frame, text = "View As A Guest...", fg_color = "  
dodgerblue3",hover_color = "#c850c0",corner_radius = 35,  
105                             width = 240, command = lambda :(redirect_to_user()))  
106 guest_mode_btn.place(x = 45, y = 330)  
107  
108 admin_mode_btn = CTKButton(content_frame, text = "View As An Admin...", fg_color = "  
dodgerblue3",hover_color = "#c850c0",corner_radius = 35,  
109                             width = 240,command = lambda :(redirect_to_user(True)))  
110 admin_mode_btn.place(x = 320, y = 330)  
111  
112 content_frame.place(x = 0, y = 0)  
113  
114 root.mainloop()  
115
```