from tkinter import\*

from tkinter import ttk

from PIL import Image,ImageTk *#pip install pillow*

from tkinter import messagebox

import mysql.connector

from hotel import HotelManagementSystem

def main():

    root=Tk()

    app=Login\_window(root)

    root.mainloop()

class Login\_window:

    def \_\_init\_\_(self,root):

        self.root=root

        self.root.title("LOGIN")

        self.root.geometry("1600x700+0+0")

        self.bg=ImageTk.PhotoImage(file="login\_background.jpg")

        lbl\_bg=Label(self.root,image=self.bg)

        lbl\_bg.place(x=0,y=0,relwidth=1,relheight=1)

        frame = Frame(self.root,bg="black")

        frame.place(x=500,y=150,width=340,height=450)

        img1=Image.open("login\_icon.ico")

        img1=img1.resize((90,90),Image.ANTIALIAS)

        self.photoimage1=ImageTk.PhotoImage(img1)

        lblimg1=Label(image=self.photoimage1,bg="black",borderwidth=0)

        lblimg1.place(x=630,y=170,width=90,height=90)

        get\_start=Label(frame,text="GET STARTED",font=("arial",14,"bold"),fg="white",bg="black")

        get\_start.place(x=108,y=120)

*###### LABEL #########*

        username\_lbl=Label(frame,text="USERNAME :",font=("arial",11,"bold"),fg="white",bg="black")

        username\_lbl.place(x=40,y=155)

        self.txtuser=ttk.Entry(frame,font=("arial",11,"bold"))

        self.txtuser.place(x=40,y=190,width=210)

        password\_lbl=Label(frame,text="PASSWORD :",font=("arial",11,"bold"),fg="white",bg="black")

        password\_lbl.place(x=40,y=235)

        self.txtpass=ttk.Entry(frame,font=("arial",11,"bold"),show = "\*")

        self.txtpass.place(x=40,y=270,width=210)

*########## ICON IMAGES ###############*

        img2=Image.open("login\_icon.ico")

        img2=img2.resize((25,25),Image.ANTIALIAS)

        self.photoimage2=ImageTk.PhotoImage(img2)

        lblimg2=Label(image=self.photoimage2,bg="black",borderwidth=0)

        lblimg2.place(x=510,y=306,width=25,height=25)

        img3=Image.open("password\_icon.ico")

        img3=img3.resize((25,25),Image.ANTIALIAS)

        self.photoimage3=ImageTk.PhotoImage(img3)

        lblimg3=Label(image=self.photoimage3,bg="black",borderwidth=0)

        lblimg3.place(x=510,y=386,width=25,height=25)

        login\_btn=Button(frame,text="LOGIN",command=self.login,font=("arial",11,"bold"),bd=3,relief=RIDGE,fg="white",bg="blue",activeforeground="white",activebackground="blue")

        login\_btn.place(x=110,y=320,width=120,height=35)

        register\_btn=Button(frame,text="REGISTER",command=self.register\_window,font=("arial",11,"bold"),borderwidth=0,relief=RIDGE,fg="white",bg="black",activeforeground="white",activebackground="black")

        register\_btn.place(x=2,y=370,width=120,height=20)

        forgot\_password\_btn=Button(frame,text="FORGOT PASSWORD",command=self.forgot\_password\_window,font=("arial",11,"bold"),borderwidth=0,relief=RIDGE,fg="white",bg="black",activeforeground="white",activebackground="black")

        forgot\_password\_btn.place(x=20,y=415,width=160,height=20)

    def register\_window(self):

        self.new\_window=Toplevel(self.root)

        self.app=Register(self.new\_window)

    def login(self):

        if self.txtuser.get()=="" or self.txtpass.get()=="":

            messagebox.showerror("ERROR","ALL FIELD REQUIRED!!")

        elif self.txtuser.get()=="admin" and self.txtpass.get()=="root":

            messagebox.showinfo("WELCOME","WELCOME USER")

        else:

            conn = mysql.connector.connect(host="localhost",username="root",password=" ",database="ankur")

            my\_cursor = conn.cursor()

            my\_cursor.execute("select \* from register where email=%s and password=%s",(self.txtuser.get(),self.txtpass.get()))

            row=my\_cursor.fetchone()

            if row==None:

                messagebox.showerror("ERROR","INVALID USERNAME AND PASSWORD!!!")

            else:

                open\_main=messagebox.askyesno("ADMIN","ACCESS ONLY TO ADMIN")

                if open\_main>0:

                    self.new\_window=Toplevel(self.root)

                    self.app=HotelManagementSystem(self.new\_window)

                else:

                    if not open\_main:

                        return

            conn.commit()

            conn.close()

*################## RESET PASSWORD ################*

    def reset\_password\_data(self):

        if self.combo\_security\_q.get()=="SELECT":

            messagebox.showerror("ERROR","SELECT THE SECURITY QUESTION!!",parent=self.root2)

        elif self.txt\_security\_a.get()=="":

            messagebox.showerror("ERROR","PLAESE ENTER THE ANSWER!!",parent=self.root2)

        elif self.txt\_new\_password.get()=="":

            messagebox.showerror("ERROR","PLEASE ENTER THE PASSWORD!!",parent=self.root2)

        else:

            conn = mysql.connector.connect(host="localhost",username="root",password=" ",database="ankur")

            my\_cursor = conn.cursor()

            query=("select \* from register where email=%s and security\_q=%s and security\_a=%s")

            value=(self.txtuser.get(),self.combo\_security\_q.get(),self.txt\_security\_a.get())

            my\_cursor.execute(query,value)

            row=my\_cursor.fetchone()

            if row==None:

                messagebox.showerror("ERROR","PLEASE ENTER THE CORRECT ANSWER",parent=self.root2)

            else:

                query=("update register set password=%s where email=%s")

                value=(self.txt\_new\_password.get(),self.txtuser.get())

                my\_cursor.execute(query,value)

                conn.commit()

                conn.close()

                messagebox.showinfo("INFO","YOUR PASSWORD HAS BEEN RESET, PLAESE LOFIN NEW PASSWORD",parent=self.root2)

                self.root2.destroy()

*############## FORGOT PASSWORD ############*

    def forgot\_password\_window(self):

        if self.txtuser.get()=="":

            messagebox.showerror("ERROR","PLEASE ENDER THE EMAIL ADDRESS TO RESET PASSWORD!!")

        else:

            conn = mysql.connector.connect(host="localhost",username="root",password=" ",database="ankur")

            my\_cursor = conn.cursor()

            query=("select \* from register where email=%s")

            value=(self.txtuser.get(),)

            my\_cursor.execute(query,value)

            row=my\_cursor.fetchone()

*#print(row)*

            if row==None:

                messagebox.showerror("ERROR","PLEASE ENTER VALID USERNAME")

            else:

                conn.close()

                self.root2=Toplevel()

                self.root2.title("FORGOT PASSWORD")

                self.root2.geometry("340x450+610+170")

                l=Label(self.root2,text="FORGOT PASSWORD",font=("arial",12,"bold"),fg="red",bg="white")

                l.place(x=0,y=10,relwidth=1)

                security\_q=Label(self.root2,text="SELECT SECURITY QUESTION:",font=("arial",15,"bold"),bg="white",fg="black")

                security\_q.place(x=50,y=80)

                self.combo\_security\_q=ttk.Combobox(self.root2,font=("arial",15,"bold"),state="readonly")

                self.combo\_security\_q["values"]=("SELECT","YOUR BIRTH PLACE","YOUR CLG NAME","YOUR PET NAME")

                self.combo\_security\_q.place(x=50,y=110,width=250)

                self.combo\_security\_q.current(0)

                security\_a=Label(self.root2,text="SECURITY ANSWER",font=("arial",15,"bold"),bg="white",fg="black")

                security\_a.place(x=50,y=150)

                self.txt\_security\_a = ttk.Entry(self.root2,font=("arial",15,"bold"))

                self.txt\_security\_a.place(x=50,y=180,width=250)

                new\_password=Label(self.root2,text="NEW PASSWORD",font=("arial",15,"bold"),bg="white",fg="black")

                new\_password.place(x=50,y=220)

                self.txt\_new\_password = ttk.Entry(self.root2,font=("arial",15,"bold"))

                self.txt\_new\_password.place(x=50,y=250,width=250)

                btn=Button(self.root2,text="RESET",command=self.reset\_password\_data,font=("arial",15,"bold"),fg="white",bg="green")

                btn.place(x=100,y=290)

class Register:

    def \_\_init\_\_(self,root):

        self.root=root

        self.root.title("REGISTER")

        self.root.geometry("1600x700+0+0")

*############ VARIABLES ###############*

        self.var\_fname=StringVar()

        self.var\_lname=StringVar()

        self.var\_contact=StringVar()

        self.var\_email=StringVar()

        self.var\_security\_q=StringVar()

        self.var\_security\_a=StringVar()

        self.var\_pass=StringVar()

        self.var\_confpass=StringVar()

*###### BG IMAGE ##########*

        self.bg=ImageTk.PhotoImage(file="register\_background.jpg")

        bg\_lbl=Label(self.root,image=self.bg)

        bg\_lbl.place(x=0,y=0,relheight=1,relwidth=1)

*########## LEFT IMAGE #############*

        self.bg1=ImageTk.PhotoImage(file="register\_left\_background.jpg")

        left\_lbl=Label(self.root,image=self.bg1)

        left\_lbl.place(x=50,y=100,height=550,width=470)

*####### MAIN FRAME ##########*

        frame=Frame(self.root,bg="white")

        frame.place(x=520,y=100,width=800,height=550)

        register\_lbl =Label(frame,text="REGESTER HERE",font=("arial",15,"bold"),fg="green",bg="white")

        register\_lbl.place(x=20,y=20)

*########## LABELS AND ENTRIES ############*

*##### ROW 1 #############*

        fname=Label(frame,text="FIRST NAME :",font=("arial",15,"bold"),bg="white")

        fname.place(x=50,y=100)

        fname\_entry=ttk.Entry(frame,textvariable=self.var\_fname,font=("arial",15,"bold"))

        fname\_entry.place(x=50,y=130,width=250)

        fname=Label(frame,text="LAST NAME :",font=("arial",15,"bold"),bg="white")

        fname.place(x=370,y=100)

        fname\_entry=ttk.Entry(frame,textvariable=self.var\_lname,font=("arial",15,"bold"))

        fname\_entry.place(x=370,y=130,width=250)

*##### ROW 2 ###############*

        contact = Label(frame,text="CONTACT NO.:",font=("arial",15,"bold"),bg="white",fg="black")

        contact.place(x=50,y=170)

        self.txt\_contact = ttk.Entry(frame,textvariable=self.var\_contact,font=("arial",15,"bold"))

        self.txt\_contact.place(x=50,y=200,width=250)

        email = Label(frame,text="EMAIL:",font=("arial",15,"bold"),bg="white",fg="black")

        email.place(x=370,y=170)

        self.txt\_email = ttk.Entry(frame,textvariable=self.var\_email,font=("arial",15,"bold"))

        self.txt\_email.place(x=370,y=200,width=250)

*########### ROW 3 #################*

        security\_q=Label(frame,text="SELECT SECURITY QUESTION:",font=("arial",15,"bold"),bg="white",fg="black")

        security\_q.place(x=50,y=240)

        self.combo\_security\_q=ttk.Combobox(frame,textvariable=self.var\_security\_q,font=("arial",15,"bold"),state="readonly")

        self.combo\_security\_q["values"]=("SELECT","YOUR BIRTH PLACE","YOUR CLG NAME","YOUR PET NAME")

        self.combo\_security\_q.place(x=50,y=270,width=250)

        self.combo\_security\_q.current(0)

        security\_a=Label(frame,text="SECURITY ANSWER",font=("arial",15,"bold"),bg="white",fg="black")

        security\_a.place(x=370,y=240)

        self.txt\_security\_a = ttk.Entry(frame,textvariable=self.var\_security\_a,font=("arial",15,"bold"))

        self.txt\_security\_a.place(x=370,y=270,width=250)

*########### ROW 4 ################*

        pswd=Label(frame,text="PASSWORD",font=("arial",15,"bold"),bg="white",fg="black")

        pswd.place(x=50,y=310)

        self.txt\_pswd = ttk.Entry(frame,textvariable=self.var\_pass,font=("arial",15,"bold"),show = "\*")

        self.txt\_pswd.place(x=50,y=340,width=250)

        confirm\_pswd=Label(frame,text="CONFIRM PASSWORD",font=("arial",15,"bold"),bg="white",fg="black")

        confirm\_pswd.place(x=370,y=310)

        self.txt\_confirm\_pswd = ttk.Entry(frame,textvariable=self.var\_confpass,font=("arial",15,"bold"),show = "\*")

        self.txt\_confirm\_pswd.place(x=370,y=340,width=250)

*############ CHECK BUTTON ############*

        self.var\_check\_btn=IntVar()

        checkbtn = Checkbutton(frame,variable=self.var\_check\_btn,text="I AGREE THE TEARMS AND CONDITIONS.",font=("arial",11,"bold"),onvalue=1,offvalue=0)

        checkbtn.place(x=50,y=400)

*########### BUTTON #############*

        img = Image.open("register\_button.png")

        img = img.resize((200,50),Image.ANTIALIAS)

        self.photoimage=ImageTk.PhotoImage(img)

        b1 = Button(frame,image=self.photoimage,command=self.rgister\_data,borderwidth=0,cursor="hand2",fg="white",activeforeground="white",activebackground="white",bg="white",font=("arial",15,"bold"))

        b1.place(x=30,y=460)

        img1 = Image.open("login\_button.png")

        img1 = img1.resize((200,50),Image.ANTIALIAS)

        self.photoimage1=ImageTk.PhotoImage(img1)

        b2 = Button(frame,command=self.return\_login,image=self.photoimage1,borderwidth=0,cursor="hand2",fg="white",activeforeground="white",activebackground="white",bg="white",font=("arial",15,"bold"))

        b2.place(x=330,y=460)

*############# FUNCTION ####################*

    def rgister\_data(self):

        if self.var\_fname.get()=="" or self.var\_email.get()=="" or self.var\_security\_q.get()=="SELECT":

            messagebox.showerror("ERROR","ALL FIELDS ARE REQUIRED")

        elif self.var\_pass.get()!=self.var\_confpass.get():

            messagebox.showerror("ERROR","PASSWORD AND CONFIRM PASSWORD MUST BE SAME!!!")

        elif self.var\_check\_btn.get()==0:

            messagebox.showerror("ERROR","PLEASE AGREE THE TERMS AND CONDITION!!!")

        else:

            conn = mysql.connector.connect(host="localhost",username="root",password=" ",database="ankur")

            my\_cursor = conn.cursor()

            query=("select \* from register where email=%s")

            value=(self.var\_email.get(),)

            my\_cursor.execute(query,value)

            row=my\_cursor.fetchone()

            if row!=None:

                messagebox.showerror("ERROR","USER ALREADY EXIST, PLEASE TRY ANOTHERS EMAIL!!!")

            else:

                my\_cursor.execute("insert into register values(%s,%s,%s,%s,%s,%s,%s)",(self.var\_fname.get(),self.var\_lname.get(),self.var\_contact.get(),self.var\_email.get(),self.var\_security\_q.get(),self.var\_security\_a.get(),self.var\_pass.get()))

                conn.commit()

                conn.close()

                messagebox.showinfo("SUCCESS","REGISER SUCCESSFULLY!!!")

    def return\_login(self):

        self.root.destroy()

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

    main()