import random

from tkinter import \*

from PIL import Image, ImageTk

from tkinter import ttk

class Cust\_Win:

    def \_\_init\_\_(self, root):

        self.root = root

        self.root.title("Hotel Management System")

        self.root.geometry("1295x550+230+220")

        #================variables=====

        self.var\_ref=StringVar()

        x=random.randint(1000,9999)

        self.var\_ref.set(str(x))

        self.var\_cust\_name=StringVar()

        self.var\_mother\_name=StringVar()

        self.var\_gender=StringVar()

        self.var\_post=StringVar()

        self.var\_mobile=StringVar()

        self.var\_email=StringVar()

        self.var\_nationality=StringVar()

        self.var\_address=StringVar()

        self.var\_idproof=StringVar()

        self.var\_idnumber=StringVar()

        # =======title======

        lbl\_title = Label(self.root, text="ADD CUSTOMER DETAILS", font=("times new roman", 18, "bold"), bg="black", fg="gold", relief=RIDGE)

        lbl\_title.place(x=0, y=0, width=1295, height=50)

        # ======= logo =========

        img2 = Image.open(r"C:\prachi\logohotel.png")

        img2 = img2.resize((100, 40))  # Corrected line

        self.photoimg2 = ImageTk.PhotoImage(img2)

        lblimg = Label(self.root, image=self.photoimg2, bd=0, relief=RIDGE)

        lblimg.place(x=5, y=2, width=100, height=40)  # Corrected width

        # ======= label frame =======

        label\_frameleft = LabelFrame(self.root, bd=2, relief=RIDGE, text="Customer Details", padx=2, font=("times new roman", 15, "bold"))

        label\_frameleft.place(x=5, y=50, width=425, height=490)

        # ========== labels and entry ===========

        lbl\_cust\_ref = Label(label\_frameleft, text="Customer ref",textvariable=self.var\_ref, font=("times new roman", 15, "bold"), padx=2, pady=6)

        lbl\_cust\_ref.grid(row=0, column=0,sticky=W)

        entry\_ref=ttk.Entry(label\_frameleft,width=29,font=("times new roman", 13, "bold"))

        entry\_ref.grid(row=0,column=1)

        # ========== labels and entry ===========

        #custRef

        lbl\_cust\_ref = Label(label\_frameleft, text="Customer Ref", font=("arial", 12, "bold"), padx=2, pady=6)

        lbl\_cust\_ref.grid(row=0, column=0,sticky=W)

        entry\_ref=ttk.Entry(label\_frameleft,width=29,font=("arial", 13, "bold"))

        entry\_ref.grid(row=0,column=1)

        # ========== labels and entry ===========

        #cust name

        cname = Label(label\_frameleft, text="Customer Name",textvariable=self.var\_cust\_name,font=("arial", 12, "bold"), padx=2, pady=6)

        cname.grid(row=1, column=0,sticky=W)

        txtcname=ttk.Entry(label\_frameleft,width=29,font=("arial", 13, "bold"))

        txtcname.grid(row=1,column=1)

        # ========== Mother name ===========

        lblmname = Label(label\_frameleft, text="mother name",textvariable=self.var\_mother\_name, font=("arial", 12, "bold"), padx=2, pady=6)

        lblmname.grid(row=2, column=0,sticky=W)

        txtmname=ttk.Entry(label\_frameleft,font=("arial", 13, "bold"))

        txtmname.grid(row=2,column=1)

        # ========== gender ===========

        label\_gender = Label(label\_frameleft, text="Gender", textvariable=self.var\_gender,font=("arial", 12, "bold"), padx=2, pady=6)

        label\_gender.grid(row=3, column=0,sticky=W)

        combo\_gender=ttk.Combobox(label\_frameleft,font=("arial", 12, "bold"),width=27,state="readonly")

        combo\_gender["value"]=("Male","Female","Other")

        combo\_gender.current(0)

        combo\_gender.grid(row=3,column=1)

        #postcode

        lblpostcode = Label(label\_frameleft,text="postcode:",textvariable=self.var\_post ,font=("arial", 12, "bold"), padx=2, pady=6)

        lblpostcode.grid(row=4, column=0,sticky=W)

        txtpostcode=ttk.Entry(label\_frameleft,textvariable=self.var\_post,font=("arial", 13, "bold"))

        txtpostcode.grid(row=4,column=1)

       #mobilenumber

        lblmobile = Label(label\_frameleft,text="mobile:", font=("arial", 12, "bold"), padx=2, pady=6)

        lblmobile.grid(row=5, column=0,sticky=W)

        txtmobile=ttk.Entry(label\_frameleft,textvariable=self.var\_mobile,font=("arial", 13, "bold"))

        txtmobile.grid(row=5,column=1)

        #email

        lblemail = Label(label\_frameleft,text="email:" ,font=("arial", 12, "bold"), padx=2, pady=6)

        lblemail.grid(row=6, column=0,sticky=W)

        txtemail=ttk.Entry(label\_frameleft,textvariable=self.var\_email,font=("arial", 13, "bold"))

        txtemail.grid(row=6,column=1)

       #nationality

        lblnationality= Label(label\_frameleft,text="nationality:" ,font=("arial", 12, "bold"), padx=2, pady=6)

        lblnationality.grid(row=7, column=0,sticky=W)

        combo\_nationality=ttk.Combobox(label\_frameleft,textvariable=self.var\_nationality,font=("arial", 12, "bold"),width=27,state="readonly")

        combo\_nationality["value"]=("Indian","Other")

        combo\_nationality.current(0)

        combo\_nationality.grid(row=7,column=1)

       #idproof type  combobox

        lblIdproof= Label(label\_frameleft,text="Id Proof Type:" ,font=("arial", 12, "bold"), padx=2, pady=6)

        lblIdproof.grid(row=8, column=0,sticky=W)

        combo\_Idproof=ttk.Combobox(label\_frameleft,textvariable=self.var\_idproof,font=("arial", 12, "bold"),width=27,state="readonly")

        combo\_Idproof["value"]=("Adhar card","Driving license","Passport")

        combo\_Idproof.current(0)

        combo\_Idproof.grid(row=8,column=1)

        #idnumber

        lblIdnumber= Label(label\_frameleft,text="ID number:" ,font=("arial", 12, "bold"), padx=2, pady=6)

        lblIdnumber.grid(row=9, column=0,sticky=W)

        txtIdnumber=ttk.Entry(label\_frameleft,font=("arial",12,"bold"),textvariable=self.var\_idnumber,width=29)

        txtIdnumber.grid(row=9,column=1)

       #address

        lbladdress= Label(label\_frameleft,text="Adressl,:", font=("arial", 12, "bold"), padx=2, pady=6)

        lbladdress.grid(row=10, column=0,sticky=W)

        txtaddress=ttk.Entry(label\_frameleft,textvariable=self.var\_address,font=("arial",12,"bold"),width=29)

        txtaddress.grid(row=10,column=1)

    #=============btn============

        btn\_frame=Frame(label\_frameleft,bd=2,relief=RIDGE)

        btn\_frame.place(x=0,y=400,width=412,height=40)

        btnAdd=Button(btn\_frame,text="Add",font=("arial",12,"bold"),bg="black",fg="gold",width=9)

        btnAdd.grid(row=0,column=0,padx=1)

        btnUpdate=Button(btn\_frame,text="Update",font=("arial",12,"bold"),bg="black",fg="gold",width=10)

        btnUpdate.grid(row=0,column=1,padx=1)

        btnReset=Button(btn\_frame,text="Reset",font=("arial",12,"bold"),bg="black",fg="gold",width=9)

        btnReset.grid(row=0,column=3,padx=1)

        btnDelete=Button(btn\_frame,text="Delete",font=("arial",12,"bold"),bg="black",fg="gold",width=10)

        btnDelete.grid(row=0,column=2,padx=1)

   #===========table frame===================

        Table\_frame = LabelFrame(self.root, bd=2, relief=RIDGE, text="View Details And Search System", padx=2, font=("times new roman", 15, "bold"))

        Table\_frame.place(x=435, y=50, width=860, height=490)

        lblSearchby= Label(Table\_frame,text="Search By,:", font=("arial", 12, "bold"), bg="red",fg="white")

        lblSearchby.grid(row=0, column=0,sticky=W)

        #===================combobox=======

        combo\_search=ttk.Combobox(Table\_frame,font=("arial", 12, "bold"),width=24,state="readonly")

        combo\_search["value"]=("Mobile","Ref")

        combo\_search.current(0)

        combo\_search.grid(row=0,column=1,padx=2)

        txtsearch=ttk.Entry(Table\_frame,font=("bold"),width=24)

        txtsearch.grid(row=0,column=2)

        btnsearch=Button(Table\_frame,text="Search",font=("arial",12,"bold"),bg="black",fg="gold",width=9)

        btnsearch.grid(row=0,column=3,padx=1)

        btnShowALL=Button(Table\_frame,text="Show All",font=("arial",12,"bold"),bg="black",fg="gold",width=9)

        btnShowALL.grid(row=0,column=4,padx=1)

        #====================show data table======

        Details\_table=Frame(Table\_frame,bd=2,relief=RIDGE)

        Details\_table.place(x=0,y=50,width=860,height=350)

        Scroll\_x=ttk.Scrollbar(Details\_table,orient=HORIZONTAL)

        Scroll\_y=ttk.Scrollbar(Details\_table,orient=VERTICAL)

        self.Cust\_details\_table=ttk.Treeview(Details\_table,column=("ref no","name","mother name","gender","post","mobile","email","nationality","idproof","idnumber","address"),xscrollcommand=Scroll\_x.set,yscrollcommand=Scroll\_y.set)

        Scroll\_x.pack(side=BOTTOM,fill=X)

        Scroll\_y.pack(side=RIGHT,fill=Y)

        Scroll\_x.config(command=self.Cust\_details\_table.xview)

        Scroll\_y.config(command=self.Cust\_details\_table.yview)

        self.Cust\_details\_table.heading("ref no",text="refer no")

        self.Cust\_details\_table.heading("name",text="Name")

        self.Cust\_details\_table.heading("mother name",text="Mother Name")

        self.Cust\_details\_table.heading("gender",text="Gender")

        self.Cust\_details\_table.heading("post",text="PostCode")

        self.Cust\_details\_table.heading("email",text="Email")

        self.Cust\_details\_table.heading("mobile",text="Mobile no")

        self.Cust\_details\_table.heading("nationality",text="Nationality")

        self.Cust\_details\_table.heading("idproof",text="IDproof")

        self.Cust\_details\_table.heading("idnumber",text="Id number")

        self.Cust\_details\_table.heading("address",text="Address")

        self.Cust\_details\_table.pack(fill=BOTH,expand=1)

        #def add\_data(self):