File Edit View Insert Cell Kernel Widgets Help

Trusted | Python 3 (ipykernel) ○

Raw NBConvert
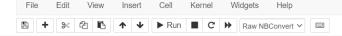
```python
In [ ]:
import os
from tkinter import*
from tkinter import ttk
from PIL import Image,ImageTk
from person_info import Person
from train import Train
from facedetector import FaceDetector
import tkinter

class Face_recognition_System:
    def __init__(self,root):
        self.root=root
        self.root.geometry("1530x790+0+0")
        self.root.title("face recognition system")

#first image
        img = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\college
        img=img.resize((500,130),Image.ANTIALIAS)
        self.photoimg=ImageTk.PhotoImage(img)
        f_lbl=Label(self.root,image=self.photoimg)
        f_lbl.place(x=0,y=0,width=500,height=130)


#second image
        img1 = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\colleg
        img1=img1.resize((500,130),Image.ANTIALIAS)
        self.photoimg1=ImageTk.PhotoImage(img1)
        f_lbl=Label(self.root,image=self.photoimg1)
        f_lbl.place(x=500,y=0,width=500,height=130)

#third image
        img2 = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\colleg
        img2=img2.resize((500,130),Image.ANTIALIAS)
        self.photoimg2=ImageTk.PhotoImage(img2)
        f_lbl=Label(self.root,image=self.photoimg2)
        f_lbl.place(x=1000,y=0,width=500,height=130)




#bg image

        img3 = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\colleg
        img3=img3.resize((1530,710),Image.ANTIALIAS)
        self.photoimg3=ImageTk.PhotoImage(img3)
        bg_img=Label(self.root,image=self.photoimg3)
        bg_img.place(x=0,y=130,width=1530,height=710)


        title_lbl=Label(bg_img,text="Face Recognition Sytem ", font=("times new roman",30,"bold"),bg="white",fg="red")
        title_lbl.place(x=0,y=0,width=1300,height=45)

#student button
        img4 = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\colleg
        img4=img4.resize((150,150),Image.ANTIALIAS)
        self.photoimg4=ImageTk.PhotoImage(img4)

        b1=Button(bg_img,image=self.photoimg4,cursor="hand2",command=self.person_details)
        b1.place(x=100,y=50,width=150,height=150)

        b1_1=Button(bg_img,text="Person Details",cursor="hand2",command=self.person_details,font=("times new roman",15,"bold"
        b1_1.place(x=100,y=180,width=150,height=40)

 #Detect face button
        img5 = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\colleg
        img5=img5.resize((150,150),Image.ANTIALIAS)
        self.photoimg5=ImageTk.PhotoImage(img5)

        b1=Button(bg_img,image=self.photoimg5,cursor="hand2",command=self.face_data)
        b1.place(x=500,y=50,width=150,height=150)

        b1_1=Button(bg_img,text="Face detector",cursor="hand2",command=self.face_data,font=("times new roman",15,"bold"),bg="
        b1_1.place(x=500,y=180,width=150,height=40)


#Attendance face button

        img6 = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\colleg
        img6=img6.resize((150,150),Image.ANTIALIAS)
        self.photoimg6=ImageTk.PhotoImage(img6)

        b1=Button(bg_img,image=self.photoimg6,cursor="hand2",command=self.open_excel)
        b1.place(x=900,y=50,width=150,height=150)

        b1_1=Button(bg_img,text="Attendance",cursor="hand2",command=self.open_excel,font=("times new roman",15,"bold"),bg="da
        b1_1.place(x=900,y=180,width=150,height=40)
```

```python
        #Train face button
        img8 = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\colleg
        img8=img8.resize((150,150),Image.ANTIALIAS)
        self.photoimg8=ImageTk.PhotoImage(img8)

        b1=Button(bg_img,image=self.photoimg8,cursor="hand2",command=self.train_data)
        b1.place(x=100,y=300,width=150,height=150)

        b1_1=Button(bg_img,text="Train face",cursor="hand2",command=self.train_data,font=("times new roman",15,"bold"),bg="da
        b1_1.place(x=100,y=450,width=150,height=40)
        #Photos button
        img9 = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\colleg
        img9=img9.resize((150,150),Image.ANTIALIAS)
        self.photoimg9=ImageTk.PhotoImage(img9)

        b1=Button(bg_img,image=self.photoimg9,cursor="hand2",command=self.open_img)
        b1.place(x=500,y=300,width=150,height=150)

        b1_1=Button(bg_img,text="Photos",cursor="hand2",command=self.open_img,font=("times new roman",15,"bold"),bg="darkblue
        b1_1.place(x=500,y=450,width=150,height=40)


        #Exit button
        img11 = Image.open(r"C:\Users\HP\OneDrive\Desktop\Adrija\industrial internship\internship\costacloud\face recog\colle
        img11=img11.resize((150,150),Image.ANTIALIAS)
        self.photoimg11=ImageTk.PhotoImage(img11)

        b1=Button(bg_img,image=self.photoimg11,cursor="hand2",command=self.iexit)
        b1.place(x=900,y=300,width=150,height=150)

        b1_1=Button(bg_img,text="Exit",cursor="hand2",command=self.iexit,font=("times new roman",15,"bold"),bg="darkblue",fg=
        b1_1.place(x=900,y=450,width=150,height=40)
    def open_img(self):
        os.startfile("data")

    def open_excel(self):
        os.startfile("attendance.csv")

    def iexit(self):
        self.iexit=tkinter.messagebox.askyesno("Face Recognition","Are you sure you wana exit it?",parent=self.root)
        if self.iexit > 0:
            self.root.destroy()
        else:
            return

    #function buttons
    def person_details(self):
        self.new_window=Toplevel(self.root)
        self.app=Person(self.new_window)

    def train_data(self):
        self.new_window=Toplevel(self.root)
        self.app=Train(self.new_window)

    def face_data(self):
        self.new_window=Toplevel(self.root)
        self.app=FaceDetector(self.new_window)


if __name__=="__main__":
    root= Tk()
    obj=Face_recognition_System(root)


    root.mainloop()
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In [ ]:

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