from tkinter import \*

from tkinter import filedialog

import tkinter as tk

from PIL import Image, ImageTk

import os

from stegano import lsb #pip install stegano

import smtplib

Root=Tk()

Root.title("Steganograph - Seeing The Unseen")

Root.geometry("700x500+250+180")

Root.resizable (False, False)

Root.configure(bg="#2f4155")

def showimage():

global filename

filename=filedialog.askopenfilename(initialdir=os.getcwd(),title='Select Image File',filetype=(("PNGfile", "\*.png"),("JPG File", "\*.jpg"),("All file","\*.txt")))

img=Image.open(filename)

img=ImageTk.PhotoImage(img)

lbl.configure(image=img, width=250,height=250)

lbl.image=img

def Hide():

global secret

message=text1.get(1.0, END)

secret=lsb.hide(str(filename),message)

def Show():

Clear\_message = lsb.reveal(filename)

text1.delete(1.0, END)

text1.insert(END, Clear\_message)

def save():

secret.save("hidden1.png")

#icon

Image\_icon=PhotoImage(file="logo.jpg")

Root.iconphoto (False,Image\_icon)

#logo

Logo=PhotoImage(file="logo.png")

Label(Root, image=Logo,bg="#2f4155").place(x=10,y=0)

Label(Root,text="CYBER SCIENCE", bg="#2d4155",fg="white", font="arial 25 bold").place (x=100,y=20)

#first Frame

f=Frame (Root, bd=3, bg="black", width=340,height=280, relief=GROOVE)

f.place(x=10,y=80)

lbl=Label(f,bg="black")

lbl.place(x=40,y=10)

#Second Frame

Frame2=Frame (Root, bd=3, width=340, height=280, bg="white", relief=GROOVE)

Frame2.place(x=350,y=80)

text1=Text(Frame2, font="Robote 20",bg="white",fg="black", relief=GROOVE, wrap=WORD)

text1.place(x=0,y=0,width=320,height=295)

Scrollbar1=Scrollbar(Frame2)

Scrollbar1.place(x=320,y=0, height=300)

Scrollbar1.configure(command=text1.yview)

text1.configure (yscrollcommand=Scrollbar1.set)

#third Frame

Frame3=Frame (Root, bd=3, bg="#2f4155",width=330, height=100, relief=GROOVE)

Frame3.place(x=10,y=370)

Button(Frame3, text="Open Image", width=10,height=2, font="arial 14 bold",command=showimage).place(x=18,y=18)

Button(Frame3, text="Save Image", width=10, height= 2, font="arial 14 bold",command=save).place(x=177,y=18)

#fourth Frame

Frame4=Frame(Root, bd=3, bg="#2f4155", width=330, height=100, relief=GROOVE)

Frame4.place(x=360,y=370)

Button(Frame4, text="Hide Data", width=10,height=2, font="arial 14 bold",command=Hide).place(x=18,y=18)

Button(Frame4, text="Show Data", width=10,height=2, font="arial 14 bold",command=Show). place(x=177,y=18)