QR Code Generator – Python

from tkinter import \*

import os

import pyqrcode

window = Tk()

window.title("QR Code Generator")

def generate():

if len(Subject.get())!=0 :

global qr,photo

qr = pyqrcode.create(Subject.get())

photo = BitmapImage(data = qr.xbm(scale=8))

else:

messagebox.showinfo("Please enter url ")

try:

showcode()

except:

pass

def showcode():

imageLabel.config(image = photo)

subLabel.config(text="QR of " + Subject.get())

def save():

dir = os.getcwd() + "\\QR Codes"

if not os.path.exists(dir):

os.makedirs(dir)

try:

if len(name.get())!=0:

qr.png(os.path.join(dir,name.get()+".png"),scale=8)

else:

messagebox.showinfo("Please enter a File Name")

except:

messagebox.showinfo("Generate the QR code first!")

Sub = Label(window,text="Enter subject")

Sub.grid(row =0,column =0,sticky=N+S+W+E)

FName = Label(window,text="Enter FileName")

FName.grid(row =1,column =0,sticky=N+S+W+E)

Subject = StringVar()

SubEntry = Entry(window,textvariable = Subject)

SubEntry.grid(row =0,column =1,sticky=N+S+W+E)

name = StringVar()

nameEntry = Entry(window,textvariable = name)

nameEntry.grid(row =1,column =1,sticky=N+S+W+E)

button = Button(window,text = "Generate",width=15,command = generate)

button.grid(row =0,column =3,sticky=N+S+W+E)

imageLabel = Label(window)

imageLabel.grid(row =2,column =1,sticky=N+S+W+E)

subLabel = Label(window,text="")

subLabel.grid(row =3,column =1,sticky=N+S+W+E)

saveB = Button(window,text="Save as PNG",width=15,command = save)

saveB.grid(row =1,column =3,sticky=N+S+W+E)

#making this resposnsive

Rows = 3

Columns = 3

for row in range(Rows+1):

window.grid\_rowconfigure(row,weight=1)

for col in range(Columns+1):

window.grid\_columnconfigure(col,weight=1)

window.mainloop()