import time

import RPi.GPIO as GPIO

import os

import subprocess

import bluetooth

import lightblue

from PIL import Image

from subprocess import call

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.IN)

count=0

img=0

# we should know

target\_name = "Raspi"

file\_to\_send = "/home/pi/Desktop/Image/image1.jpg"

# we don't know yet

obex\_port = None

target\_address = None

print "searching for nearby devices..."

nearby\_devices = bluetooth.discover\_devices()

for bdaddr in nearby\_devices:

print bluetooth.lookup\_name( bdaddr )

if target\_name == bluetooth.lookup\_name( bdaddr ):

call(["espeak","Device named raspi has been found!"])

print "found the target device!"

target\_address = bdaddr

break

print "searching for the object push service..."

services = lightblue.findservices(target\_address)

for service in services:

if service[2] == "OBEX Object Push":

obex\_port = service[1]

print "OK, service '", service[2], "' is in port", service[1], "!"

break

client=lightblue.obex.OBEXClient(target\_address,12)

client.connect()

#Infrared Detection Code ---------------------------------------

while True:

time.sleep(0.4)

if(GPIO.input(8)==False):

print "Open"

count=0

else:

count=count+1

if(count>=3):

img=img+1

print "Close"

os.chdir("/home/pi/Desktop/Image")

call(["espeak","Capturing Image!"])

call(["fswebcam","--fps","15","-r","640x480","-S 8","image1.jpg"])

print "sending a file..."

client.put({"name":"/home/pi/Desktop/Image/image1.jpg", "type":"ima$

call(["espeak","Image sent to the device"])

time.sleep(1)

count=0

GPIO.cleanup()