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#!/usr/bin/env python

import serial
import requests
import zang
from datetime import date, datetime, timedelta
from zang import ZangException, Configuration, ConnectorFactory

sid = 'Add Yours Here'
authToken = 'Add Yours Here'
url = 'http://api.zang.io/v2'

configuration = Configuration(sid, authToken, url=url)
smsMessagesConnector = ConnectorFactory(configuration).smsMessagesConnector

# Set the serial port to the same serial port you uploaded the arduino sketch to
# In the Arduino IDE, click "Tools > Serial Port"
# SERIAL_PORT = "/dev/tty.usbserial-A70064Mh"
SERIAL_PORT = "COM3"
SERIAL_BAUD = 115200

# Don't send more than one message every 30 minutes
SENSOR_INTERVAL = timedelta(minutes=30)

# Start the server
if __name__ == "__main__":
    print("Starting SMS motion detector server at", datetime.now())
    last_sent_time = None

    # Open a serial connection to the Arduino
    with serial.Serial(SERIAL_PORT, SERIAL_BAUD) as arduino:
        while True:
            print("Polling Arduino...")

            # Listen for the Arduino to send a byte
            byte_received = arduino.read()

            print("Received byte:", byte_received)

            # Motion was detected
            if byte_received == b'1':
                print("Motion detected at", datetime.now())

            # If we haven't sent an SMS in the last 31 minutes, send one now
            if not last_sent_time or (datetime.now() - last_sent_time) > SENSOR_INTERVAL:
                last_sent_time = datetime.now()
                print("Sending SMS...")

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# Send request to TelAPI to send SMS
try:
    smsMessage = smsMessagesConnector.sendSmsMessage(
        to='+970566660009',
        body='Hello from Zang!',
        from_='+1(704) 445-2979')
    print(smsMessage)
except ZangException as ze:
    print(ze)
```