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import time
from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
import ibmiotf.device
import pygame
pygame.init() # initiate pygame

config={
    "org":"hg0h11",          # Device Organization
    "type" : "123",          # Device Type
    "id": "abcd",            # Device ID
    "auth-method": "token",  # Device Authentication Method
    "auth-token": "123456789" # Device Authentication Token
}
url="https://api.eu-gb.text-to-speech.watson.cloud.ibm.com/instances/8e5bc662-02f5-4cc3-b2a3-27086673e789" # TextToSpeech URL Link
api="QGXBVq11TgSFNn8_7wpT1kGVYIKCHG8NLfHnC1BBXNwj"
# TextToSpeech API Key
client= ibmiotf.device.Client (config) # Save the device Config in a
Variable called client
client.connect()                    # Connect with the device

# Load TextToSpeech API Key and URL
auth=IAMAuthenticator(api)
tts=TextToSpeechV1(authenticator=auth)
tts.set_service_url(url)

# callback
def myCommandCallback (cmd):
    a=cmd.data
    c=1
    instruction="Please Take following Medicine. "
    if len(a["command"])==0:
        pass
    else:
        for i in a["command"]:
            instruction+=str(c)+". "
            instruction+=i
            instruction+= ". "
            c+=1
        print("Instruction : ",instruction)
        with open("./speech.wav","wb") as audio_file:
            res=tts.synthesize(instruction,accept="audio/mp3",voice='en-US_AllisonExpressive').get_result()
            audio_file.write(res.content)
            play("speech.wav")

def play(a):
    p=pygame.mixer.Sound(a)
    pygame.mixer.Sound.play(p)
    time.sleep(20)
    pygame.mixer.Sound.play(p)
    time.sleep(20)
    pygame.mixer.Sound.play(p)
    time.sleep(20)

while True:
    client.commandCallback = myCommandCallback
    client.disconnect()

```