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#Used imports
import speech recognition
import pyttsx3
import pyautogui
import time
import ctypes
import ctypes.wintypes
from AppOpener import open, close
from groq import Groq
#Constants, name of voice assistant and opening statement
name = 'dusty'
openingLine = "Hi sir"
#System User
user32 = ctypes.windll.user32
#CONSNTANT KEYS:
KEYEVENTF EXTENDEDKEY = 0 \times 0001
KEYEVENTF KEYUP = 0 \times 0002
VK MEDIA PLAY PAUSE = 0 \times B3
VK MEDIA NEXT TRACK = 0 \times B0
VK MEDIA PREV TRACK = 0 \times B1
VK VOLUME UP = 0 \times AF
VK VOLUME DOWN = 0 \times AE
VK VOLUME MUTE = 0 \times AD
class Jarvis:
        self.engine = pyttsx3.init()
        voices = self.engine.getProperty('voices')
        self.engine.setProperty('voice', voices[0].id)
        self.engine.runAndWait()
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self.recognizer = speech recognition.Recognizer()
       self.groq client = Groq(api key= "")
        self.chat history = [{
short answers. For simple answers use 1-5 words, if I ask you to give a
   def speak(self, text):
       pyttsx3.speak(text)
   def send media key(self, key code):
       user32.keybd event(key code, 0, KEYEVENTF EXTENDEDKEY, 0)
       time.sleep(0.1)
        user32.keybd event(key code, 0, KEYEVENTF EXTENDEDKEY |
KEYEVENTF KEYUP, 0)
            self.send media key(VK MEDIA PLAY PAUSE)
            self.send media key(VK VOLUME UP)
            self.send media key(VK VOLUME DOWN)
            self.send media key(VK VOLUME MUTE)
        elif "skip" in text:
            self.send media key(VK MEDIA NEXT TRACK)
        elif "rewind" in text:
            self.send media key(VK MEDIA PREV TRACK)
            self.send media key(VK MEDIA PREV TRACK)
            self.send media key(VK MEDIA PREV TRACK)
           open("Spotify")
            time.sleep(.2)
            pyautogui.hotkey('ctrl', 's')
            pyautogui.hotkey('alt', 'tab')
```

```
open("Spotify")
           time.sleep(.2)
           pyautogui.hotkey('alt', 'shift', 'b')
           pyautogui.hotkey('alt', 'tab')
   def handle app commands(self, text):
           app = text.replace("open", "").strip()
           open(app, match closest=True)
           self.speak("Opening")
       elif "close" in text:
           app = text.replace("close", "").strip()
           close(app, match closest=True)
           self.speak("Closing")
   def handle llm query(self, text):
       self.chat history.append({"role": "user", "content": text})
       response = self.groq client.chat.completions.create(
           model="11ama3-70b-8192",
           messages=self.chat history,
           max tokens=8000,
           temperature=1.2
       assistant response = response.choices[0].message.content
       self.chat history.append({
           "content": assistant response
       self.speak(assistant response)
       print(name, assistant response)
   def dailyTasks(self):
       open("Google Chrome")
       time.sleep(1)
pyautogui.write('https://docs.google.com/document/d/12dlCAvaaR0 V9p9FvMDjh
       pyautogui.hotkey('enter')
       time.sleep(1)
       pyautogui.hotkey('ctrl', 't')
```

```
pyautogui.hotkey('enter')
        time.sleep(1)
       pyautogui.hotkey('ctrl', 't')
       pyautogui.hotkey('enter')
       time.sleep(1)
       pyautogui.hotkey('ctrl', 't')
       pyautogui.write('https://web.groupme.com/chats')
       pyautogui.hotkey('enter')
   def listen(self):
       while True:
            try:
                with speech recognition. Microphone () as mic:
                    self.recognizer.adjust for ambient noise (mic,
duration=0.2)
                    audio = self.recognizer.listen(mic)
                    text = self.recognizer.recognize google(audio).lower()
                    print(f"{text}")
                        text = text.split("nevermind", 1)[1].strip()
                    elif "never mind" in text:
                        text = text.split("never mind", 1)[1].strip()
                    if name in text:
                        text = text.split(name, 1)[1].strip()
text:
                            self.handle media commands(text)
                            self.handle app commands(text)
                        elif any (keyword in text for keyword in ["who",
                            self.handle llm query(text)
                            self.dailyTasks()
```