import sys

import os

sys.path.append("/Users/manfrednde/Library/Python/3.9/lib/python/site-packages")

import io

import datetime

import pandas as pd

from PIL import Image

import requests

import io

import glob, os, sys, time, uuid

from matplotlib.pyplot import imshow

import matplotlib.pyplot as plt

from urllib.parse import urlparse

from io import BytesIO

from PIL import Image, ImageDraw

from video\_indexer import VideoIndexer

from azure.cognitiveservices.vision.face import FaceClient

from azure.cognitiveservices.vision.face.models import TrainingStatusType

from msrest.authentication import CognitiveServicesCredentials

CONFIG = {

'SUBSCRIPTION\_KEY': '621d1daaa9ff4041bc484d4f7b9d5d10',

'LOCATION': 'trial',

'ACCOUNT\_ID': '6723d089-da1a-41ab-ae6a-7074c23d084b'

}

video\_analysis = VideoIndexer(

vi\_subscription\_key=CONFIG['SUBSCRIPTION\_KEY'],

vi\_location=CONFIG['LOCATION'],

vi\_account\_id=CONFIG['ACCOUNT\_ID']

)

video\_analysis.check\_access\_token()

video\_id = '30fa204ae0'

video\_analysis.get\_video\_info(video\_id)

info = video\_analysis.get\_video\_info(video\_id, video\_language='English')

if len(info['videos'][0]['insights']['faces'][0]['thumbnails']):

print("We found {} faces in this video.".format(str(len(info['videos'][0]['insights']['faces'][0]['thumbnails']))))

info['videos'][0]['insights']['faces'][0]['thumbnails']

images = []

img\_raw = []

img\_strs = []

for each\_thumb in info['videos'][0]['insights']['faces'][0]['thumbnails']:

if 'fileName' in each\_thumb and 'id' in each\_thumb:

file\_name = each\_thumb['fileName']

thumb\_id = each\_thumb['id']

img\_code = video\_analysis.get\_thumbnail\_from\_video\_indexer(video\_id, thumb\_id)

img\_strs.append(img\_code)

img\_stream = io.BytesIO(img\_code)

img\_raw.append(img\_stream)

img = Image.open(img\_stream)

images.append(img)

for img in images:

print(img.info)

plt.figure()

plt.imshow(img)

############################

Output:

manfrednde@Manfreds-MBP cd0461-building-computer-vision-solutions-with-azure-project-starter % python3 faceThumnailExtraction.py

Getting video indexer access token...

Access Token: eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJWZXJzaW9uIjoiMi4wLjAuMCIsIktleVZlcnNpb24iOiIxNGU0M2M5NDFlOWI0OTg1OWU0NDkzNDFhZjgxZjNiNiIsIkFjY291bnRJZCI6IjY3MjNkMDg5LWRhMWEtNDFhYi1hZTZhLTcwNzRjMjNkMDg0YiIsIkFjY291bnRUeXBlIjoiVHJpYWwiLCJQZXJtaXNzaW9uIjoiQ29udHJpYnV0b3IiLCJFeHRlcm5hbFVzZXJJZCI6IjEwMDk2MTA1MzA4MTgwNDM3Mzg3NyIsIlVzZXJUeXBlIjoiR29vZ2xlIiwiSXNzdWVyTG9jYXRpb24iOiJUcmlhbCIsIm5iZiI6MTY4MjM5NjMzNCwiZXhwIjoxNjgyNDAwMjM0LCJpc3MiOiJodHRwczovL2FwaS52aWRlb2luZGV4ZXIuYWkvIiwiYXVkIjoiaHR0cHM6Ly9hcGkudmlkZW9pbmRleGVyLmFpLyJ9.RWwutD-hxsrG4WvU35MrfNKnOYbXj7Kj3XrcVLOSg58CTeuF17jICX8biUdfJqRx5JEu7ouxxcaADsOWRki1bQH2eF5vggF1Cb1Gv74OAH4Q8Z2z4-l6Ec9Ur0v2bNXrUjjnVwUYDRbHGK6xoykD8pSzr5\_ktIL\_yVZ0WO\_MF192xFWxIrnLyQdHMFUis-H-iS5uAQQEl\_pAvzHOMeicfbXPln3wWobgHrdb5L-GkHzUuxzYYEQOxoeal9gZmbDbuYdrUXv00H97G1vbx\_RpFdYZ5tQN0bBIPJo3yC28It0Tg-qEJmBwxT9kNTjIPWYucTOJnN6JmMia6W8oR578QA

Getting video info for: 30fa204ae0

Getting video info for: 30fa204ae0

We found 6 faces in this video.

Getting thumbnail from video: 30fa204ae0, thumbnail: 40294a85-eb72-4085-84c4-081e094ac866

Getting thumbnail from video: 30fa204ae0, thumbnail: ea82a612-6d12-4d48-9fef-ee87f1ca7948

Getting thumbnail from video: 30fa204ae0, thumbnail: c2736a36-9dbe-4137-8bc1-8ef6714381fa

Getting thumbnail from video: 30fa204ae0, thumbnail: a1a0e5ac-61c9-40b8-9637-7d7cc26c6e3f

Getting thumbnail from video: 30fa204ae0, thumbnail: 6810ed8e-f180-4232-b233-cbe86901dba7

Getting thumbnail from video: 30fa204ae0, thumbnail: f76206f2-3aae-440e-a217-60b13bcc4c78

{'comment': b'Lavc59.18.100\x00'}

{'comment': b'Lavc59.18.100\x00'}

{'comment': b'Lavc59.18.100\x00'}

{'comment': b'Lavc59.18.100\x00'}

{'comment': b'Lavc59.18.100\x00'}

{'comment': b'Lavc59.18.100\x00'}