from flask import Flask, request, jsonify

from selenium import webdriver

from selenium.webdriver.common.by import By

import time

import random

app = Flask(\_\_name\_\_)

def scrape\_comments(url, num\_comments=5):

    driver = webdriver.Firefox()

    driver.get(url)

    time.sleep(10)

    try:

        i = 0

        while i < num\_comments:

            load\_more\_comment = driver.find\_element(By.XPATH,'//button[contains(text(), "Load more")]')

            load\_more\_comment.click()

            time.sleep(7)

            i += 1

    except Exception as e:

        pass

    user\_names = []

    user\_comments = []

    comment = driver.find\_elements(By.CLASS\_NAME,'\_a9ym')

    for c in comment:

        container = c.find\_element(By.CLASS\_NAME,'\_a9zr')

        name = container.find\_element(By.CLASS\_NAME,'\_a9zc').text

        content = container.find\_element(By.TAG\_NAME,'span').text

        content = content.replace('\n', ' ').strip().rstrip()

        user\_names.append(name)

        user\_comments.append(content)

    user\_names.pop(0)

    user\_comments.pop(0)

    driver.close()

    return user\_comments[:10]

def generate\_new\_comments(existing\_comments, num\_suggestions=5):

    suggestions = random.sample(existing\_comments, min(num\_suggestions, len(existing\_comments)))

    return suggestions

@app.route('/comment\_suggestions', methods=['POST'])

def comment\_suggestions():

    if request.method == 'POST':

        data = request.get\_json()

        url = data['url']

        num\_comments = data.get('num\_comments', 5)

        print("Received Instagram URL:", url)

        comments = scrape\_comments(url, num\_comments)

        generate\_new = data.get('generate\_new', 5)

        if generate\_new:

            new\_comments = generate\_new\_comments(comments)

            response = {

                'existing\_comments': comments,

                'new\_comment\_suggestions': new\_comments

            }

        else:

            response = {

                'comment\_suggestions': comments

            }

        return jsonify(response)

if \_\_name\_\_ == '\_\_main\_\_':

    app.run(debug=True)

import requests

url = 'http://127.0.0.1:5000/comment\_suggestions'

data = {'url': 'https://www.instagram.com/p/C3sjNmliD3J/?igsh=YjZnMTRmN2VydHZv'}

response = requests.post(url, json=data)

print(response.json())