import csv

import time

from selenium import webdriver

from selenium.common.exceptions import NoSuchElementException

from selenium.webdriver.common.by import By

from selenium.webdriver.support.ui import WebDriverWait

from selenium.webdriver.support import expected\_conditions as EC

from selenium.common.exceptions import TimeoutException

# Replace 'path/to/chromedriver' with the path to your downloaded driver executable

driver = webdriver.Chrome()

# CSV file path containing company names

csv\_file\_path = 'D://New folder/extracted\_data.csv'

# List to store company names

company\_names = []

# Read company names from the CSV file

with open(csv\_file\_path, 'r') as file:

reader = csv.reader(file)

next(reader) # Skip header row

for row in reader:

company\_names.append(row[0])

# CSV file handling

csv\_file\_path = 'company\_data.csv'

# Open the CSV file in 'a' mode (append mode)

with open(csv\_file\_path, 'w', newline='', encoding='utf-8') as file:

writer = csv.writer(file)

# Header row (write only if the file is newly created)

if file.tell() == 0:

writer.writerow(['Company Name', 'Company Address', 'Company Email', 'Company Phone', 'Company Website', 'Product List'])

# Specify the starting index (e.g., 42)

start\_index = 0

# Loop through each company starting from the specified index

for i in range(start\_index, len(company\_names)):

search\_company\_name = company\_names[i]

# Loop through each company

# for search\_company\_name in company\_names:

# Open a webpage

driver.get("https://www.medica-tradefair.com/vis/v1/en/search?oid=80396&lang=2&\_query=" + search\_company\_name)

driver.maximize\_window()

company\_box = driver.find\_element(By.XPATH, "//div[@class='media media--txt-nowrap flush']")

print(search\_company\_name)

company\_box.click()

time.sleep(3)

span\_element = driver.find\_element(By.XPATH, "//span[@class='cta-button\_\_label' and text()='Company data']")

# Perform a click action on the span element

span\_element.click()

time.sleep(3)

span\_element = driver.find\_element(By.XPATH, "//span[@class='tab-button\_\_label' and text()='Company data']")

# Perform a click action on the span element

span\_element.click()

time.sleep(3)

address = driver.find\_element(By.XPATH, "//div[@class='exh-address']").text

email = driver.find\_element(By.XPATH, "//div[@class='exh-contact-email']").text

phone = driver.find\_element(By.XPATH, "//div[@class='exh-contact-phone']").text

website\_url = driver.find\_element(By.XPATH, "//div[@class='link-list link-list--slim']//a").get\_attribute('href')

print(website\_url)

button\_element = driver.find\_element(By.XPATH, "//button[@class='icon-button' and @title='Close']")

time.sleep(2)

# Perform a click action on the button element

button\_element.click()

time.sleep(2)

WebDriverWait(driver, 10).until(EC.element\_to\_be\_clickable((By.XPATH, "//span[@class='tab-button\_\_label' and text()='Products']")))

# Find the span element using XPath

products = driver.find\_element(By.XPATH, "//span[@class='tab-button\_\_label' and text()='Products']")

# Perform a click action on the span element

products.click()

time.sleep(2)

products\_container = driver.find\_element(By.CLASS\_NAME, 'products\_\_items')

# Get a list of all product items

product\_items = products\_container.find\_elements(By.TAG\_NAME, 'div')

# Loop through each product item and print its text (you can modify this part)

list1 = []

for item in product\_items:

list1.append(item.text)

writer.writerow([search\_company\_name, address, email, phone, website\_url,list1])

# Close the browser

driver.quit()