from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.chrome.options import Options

from selenium.webdriver.support.ui import WebDriverWait

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

import time

import os

import tkinter

import customtkinter

import mysql.connector

#My sql connection

conn = mysql.connector.connect(host='localhost',password='Qwerty007$',user='root',database='securesurf')

cursor = conn.cursor()

def start\_download():

url()

driver.execute\_script("window.scrollTo(0,50)")

#Website that to be searched.

input\_text = driver.find\_element(By.ID, "site\_rating\_search")

input\_text.send\_keys(a)

#Submit button - Search Website.

submit\_button = driver.find\_element(By.CLASS\_NAME, value="btn-search")

submit\_button.click()

app.destroy()

#Time Intervel to allow the website to get results.

time.sleep(15)

#obtaining the current URL to obtain informations We need

get\_url = driver.current\_url

# Setup chrome driver

chrome\_options = Options()

#chrome\_options.add\_argument("--headless=new")

chrome\_options.add\_argument('log-level=3')

chrome\_options.add\_argument("--window-size=1920,1080")

chrome\_options.add\_argument("--allow-insecure-localhost")

chrome\_options.add\_argument("--disable-gpu")

chrome\_options.add\_argument("--no-sandbox")

chrome\_options.add\_experimental\_option("detach", True) #TO keep the Web browser Open. So, It won't close automatically.

#Ad-BLock Extension to block Ads.So,it wont interupt the automation

parent\_path = os.getcwd()

path\_to\_extension = parent\_path + r'\5.10.1\_0'

chrome\_options.add\_argument('load-extension='+ path\_to\_extension);

driver = webdriver.Chrome(options=chrome\_options)

#Root Website TO perform Search.

time.sleep(2)

driver.get("https://www.scam-detector.com/validator/")

time.sleep(2) #Sleep intervel so the extension website pop-up can be terminated.

p = driver.window\_handles[0]

c = driver.window\_handles[1]

driver.switch\_to.window(c)

driver.close()

driver.switch\_to.window(p)

# System Settings

customtkinter.set\_appearance\_mode("System")

customtkinter.set\_default\_color\_theme("blue")

# Our app frame

app = customtkinter.CTk()

app.geometry("720x480")

app.title("Secure Surf")

# Adding UI elements

title = customtkinter.CTkLabel(app, text="Insert Your Link",width=40,height=8,font=('Times New Roman',30,'bold'))

title.pack(padx=10,pady=10)

# Link Input

def url():

global a

a=link.get()

print(a)

url\_var= tkinter.StringVar()

link= customtkinter.CTkEntry(app,width=350,height=40,textvariable=url\_var)

url\_var=str(url\_var)

link.pack(padx=20,pady=20)

# Check Button

check = customtkinter.CTkButton(app,text="Check",command=start\_download)

check.pack(padx=20,pady=10)

# Run app

app.mainloop()

score = driver.find\_element(By.XPATH, "/html/body/div[1]/div[2]/div/div/div/div/div/div[1]/div[2]/div[1]/div[2]/div[1]/div[2]/div/p[2]/strong/span")

score=(score.text)

connection = driver.find\_element(By.XPATH, "/html/body/div[1]/div[2]/div/div/div/div/div/div[1]/div[2]/div[1]/div[2]/div[4]/div[1]/ul/li[4]/p[2]/span")

connection=(connection.text)

creation\_date = driver.find\_element(By.XPATH, "/html/body/div[1]/div[2]/div/div/div/div/div/div[1]/div[2]/div[1]/div[2]/div[4]/div[1]/ul/li[1]/p[2]")

creation\_date=(creation\_date.text)

DomainBlacklistStatus = driver.find\_element(By.XPATH, "/html/body/div[1]/div[2]/div/div/div/div/div/div[1]/div[2]/div[1]/div[2]/div[4]/div[1]/ul/li[3]/p[2]/span")

DomainBlacklistStatus=(DomainBlacklistStatus.text)

Description = driver.find\_element(By.XPATH, "/html/body/div[1]/div[2]/div/div/div/div/div/div[1]/div[2]/div[1]/div[2]/div[4]/div[2]/p")

Description=(Description.text)

driver.quit()

# Our app frame

app2 = customtkinter.CTk()

app2.geometry("760x720")

app2.title("Secure Surf")

# Adding UI elements

customtkinter.CTkLabel(app2,text="Score :",font=("Lucida Fax",20,"bold")).place(x=40, y=20)

customtkinter.CTkLabel(app2,text=score,font=("Lucida Fax",20,"bold")).place(x=120, y=20)

if score=="100.0/100":

customtkinter.CTkLabel(app2,text="✅",font=("Lucida Fax",20,"bold"),text\_color='green').place(x=5, y=20)

else:

customtkinter.CTkLabel(app2,text="❗",font=("Lucida Fax",20,"bold"),text\_color='red').place(x=5, y=20)

customtkinter.CTkLabel(app2,text="Connection Type : ",font=("Lucida Fax",20,"bold")).place(x=40, y=60)

customtkinter.CTkLabel(app2,text=connection,font=("Lucida Fax",20,"bold")).place(x=250, y=60)

if connection=="Valid HTTPS Found":

customtkinter.CTkLabel(app2,text="✅",font=("Lucida Fax",20,"bold"),text\_color='green').place(x=5, y=60)

else:

customtkinter.CTkLabel(app2,text="❗",font=("Lucida Fax",20,"bold"),text\_color='red').place(x=5, y=60)

customtkinter.CTkLabel(app2,text="Domain Creation Date : ",font=("Lucida Fax",20,"bold")).place(x=5, y=100)

customtkinter.CTkLabel(app2,text=creation\_date,font=("Lucida Fax",20,"bold")).place(x=280, y=100)

customtkinter.CTkLabel(app2,text="Domain Blacklist Status : ",font=("Lucida Fax",20,"bold")).place(x=5, y=140)

customtkinter.CTkLabel(app2,text=DomainBlacklistStatus,font=("Lucida Fax",20,"bold")).place(x=300, y=140)

customtkinter.CTkLabel(app2,text="Description : ",font=("Lucida Fax",20,"bold")).place(x=5, y=180)

customtkinter.CTkLabel(app2,text=Description,font=("Lucida Fax",20,"bold"),wraplength=600).place(x=150, y=180)

# Check Button

check = customtkinter.CTkButton(app2,text="Quit",command=app2.destroy,font=("Lucida Fax",20,"bold")).place(x=300, y=400)

# Run app

app2.mainloop()

sql\_query = """INSERT INTO websites (sites) VALUES (%s)"""

record = (a)

cursor.execute(sql\_query,record)

connection.commit()

cursor.close()

connection.close()