import urllib

from MaltegoTransform import \*

from selenium import webdriver

from PIL import ImageTk, Image

import time

import tkinter as tk

import sys

from selenium.webdriver.common.keys import Keys

# user = ""

m = MaltegoTransform()

m.parseArguments(sys.argv)

cedulaTg = sys.argv[1]

# cedulaTg = 1026585645

nombre = ""

def get\_captcha(driver, element, path):

# now that we have the preliminary stuff out of the way time to get that image :D

location = element.location

size = element.size

# saves screenshot of entire page

driver.save\_screenshot(path)

# uses PIL library to open image in memory

image = Image.open(path)

left = location['x']

top = location['y']

right = location['x'] + size['width']

bottom = location['y'] + size['height']

image = image.crop((left, top, right, bottom)) # defines crop points

image.save(path, 'png') # saves new cropped image

try:

driver = webdriver.Chrome(executable\_path=r"chromedriver.exe")

driver.set\_window\_position(-3000, 0)

driver.get("https://antecedentes.policia.gov.co:7005/WebJudicial/index.xhtml")

aceptaOption = driver.find\_element\_by\_id("aceptaOption:0")

driver.execute\_script("arguments[0].click();", aceptaOption)

bandera = True

while (bandera):

try:

continuarBtn = driver.find\_element\_by\_name("continuarBtn")

continuarBtn.click()

bandera = False

except Exception:

m.addUIMessage("Cedula no encontrada en la base de datos1")

bandera = True

while (bandera):

try:

cedula = driver.find\_element\_by\_id("cedulaInput")

cedula.send\_keys(cedulaTg)

bandera = False

except Exception:

m.addUIMessage("Cedula no encontrada en la base de datos2")

time.sleep(2)

# driver.switch\_to.default\_content()

image = driver.find\_elements\_by\_xpath("//img[@id='capimg']")[0]

get\_captcha(driver, image, "captcha.png")

window = tk.Tk()

window.title("Enter Captcha")

window.geometry("140x120")

window.configure(background='grey')

path = "captcha.png"

# Creates a Tkinter-compatible photo image, which can be used everywhere Tkinter expects an image object.

img = ImageTk.PhotoImage(Image.open(path))

# The Label widget is a standard Tkinter widget used to display a text or image on the screen.

panel = tk.Label(window, image=img).grid(row=0)

# The Pack geometry manager packs widgets in rows or columns.

# panel.pack(side = "bottom", fill = "both", expand = "yes")

e1 = tk.Entry(window)

e1.grid(row=1, column=0)

tk.Button(window, text='Aceptar', command=window.quit).grid(row=3, column=0, pady=4)

# Start the GUI

window.mainloop()

textcaptcha = driver.find\_element\_by\_id("textcaptcha")

textcaptcha.send\_keys(e1.get())

bandera = True

while (bandera):

try:

j\_idt20 = driver.find\_element\_by\_name("j\_idt20")

j\_idt20.click()

bandera = False

except Exception:

m.addUIMessage("Cedula no encontrada en la base de datos3")

bandera = True

while (bandera):

try:

nombre = driver.find\_elements\_by\_xpath('.//span[@id = "form:mensajeCiudadano"]/b')[2].text

antecedentes = driver.find\_elements\_by\_xpath('.//span[@id = "form:mensajeCiudadano"]/b')[3].text

bandera = False

except Exception:

m.addUIMessage('Cedula no encontrada4')

ent = m.addEntity('eci.AntecedentesPersonales', antecedentes.encode('utf8'))

ent.addAdditionalFields("properity.eci.nombre", "Nombre", True, nombre.encode('utf8'))

except Exception:

m.addUIMessage("Cedula no encontrada en la base de datos")

m.returnOutput()

driver.quit()