No S.O. Linux Ubuntu 18.04 devemos executar os seguintes comandos para preparar o ambiente para o pytest

Instalando o pacote python

sudo apt-get install python

Instalando as dependências para o chromedriver

sudo apt-get install -y unzip xvfb libxi6 libgconf-2-4

sudo apt-get install default-jdk

Baixando o pacote chromedriver

wget <https://chromedriver.storage.googleapis.com/2.41/chromedriver_linux64.zip>

Descompactando o pacote chromedriver

unzip chromedriver\_linux64.zip

Copiando a pasta descompactada do chromedriver para pasta *usr/bin/*  
 sudo mv chromedriver /usr/bin/chromedriver

sudo chown root:root /usr/bin/chromedriver

sudo chmod +x /usr/bin/chromedriver

Baixando o pacote selenium-server-standalone

wget https://bit.ly/2TlkRyu

Baixando e descompactando o pacote testng

wget http://www.java2s.com/Code/JarDownload/testng/testng-6.8.7.jar.zip

unzip testng-6.8.7.jar.zip

Conectando o Selenium com o chromedriver

xvfb-run java -Dwebdriver.chrome.driver=/usr/bin/chromedriver -jar selenium- server-standalone-3.141.59.jar -debug

Instalando o pacote brew

sudo apt install linuxbrew-wrapper -y

Instalando o pacote node

brew install node

Instalando o pacote selenium-side-runner

sudo npm install -g selenium-side-runner

sudo brew install node

Instalando o pacote geckodriver (FirefoxDriver)

sudo npm install -g geckodriver

sudo apt-get install pytest

Instalando o pacote pytest e configurando o mesmo

vim requirements.txt

pytest == 4.6.3 > requirements.txt

echo "pytest == 4.6.3" > requirements.txt

echo "selenium == 4.0.0a1" >> requirements.txt

pip3 install -r ./requirements.txt

sudo apt install python-pytest python3-pip -y

pip3 install -r ./requirements.txt

Instalando o pacote pytest-html e selenium

pip install pytest-html

pip install selenium

Para executar o teste com pytest com resultado numa página html

pytest desafio\_automacao.py --html=report.html

Codigo usado pelo Framework pytest

# -\*- Coding: UTF-8 -\*-

#coding: utf-8

# Generated by Selenium IDE

import pytest

import time

import json

from selenium import webdriver

from datetime import datetime

from selenium.webdriver.common.by import By

from selenium.webdriver.common.action\_chains import ActionChains

from selenium.webdriver.support import expected\_conditions

from selenium.webdriver.support.wait import WebDriverWait

from selenium.webdriver.common.keys import Keys

from selenium.common.exceptions import (

ElementNotVisibleException,

ElementNotInteractableException)

class TestTesteCompleto():

def setup\_method(self, method):

self.driver = webdriver.Firefox()

self.vars = {}

def teardown\_method(self, method):

self.driver.quit()

def test\_testeCompleto(self):

now = datetime.now()

ano = now.year

mes = now.month

dia = now.day

hora = now.hour

minuto = now.minute

num2 = "1"

hora\_adiantada = int(hora) + int(num2)

# Test name: Teste\_Completo

# Step # | name | target | value | comment

# 1 Abrir o formulário

self.driver.get("https://docs.google.com/forms/d/e/1FAIpQLSfWfPcADbvEPrGDePWhY-agioR1TAyFZTW-hwNTucN28-VACg/viewform")

# 2 Configura a tela do Firefox que será aberta em 1280x1024

self.driver.set\_window\_size(1280, 1024)

# 3 Seleciona o campo de texto do Nome

self.driver.find\_element(By.NAME, "entry.897504641").click()

# 4 Insere o nome: Claudio da Silva Pereira |

self.driver.find\_element(By.NAME, "entry.897504641").send\_keys("Claudio da Silva Pereira")

# 5 Seleciona o campo de texto do e-mail

self.driver.find\_element(By.NAME, "entry.2071102152").click()

# 6 Insere o e-mail: claudio.pereira@b2wdigital.com |

self.driver.find\_element(By.NAME, "entry.2071102152").send\_keys("claudio.pereira@b2wdigital.com")

# 7 Seleciona a resposta para a pergunta: “Qual sua cor favorita? \*”

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsRadioOptionContainer:nth-child(2) .quantumWizTogglePaperradioOffRadio").click()

# 8 Seleciona a resposta para a pergunta: “Qual sua sobremesa favorita? \*”

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsCheckboxOptionContainer:nth-child(2) > div:nth-child(1) > label:nth-child(1) > div:nth-child(1) > div:nth-child(1)").click()

# 9 Seleciona e abre o dropbox com a resposta para: “Qual sua comida favorita? \*”

self.driver.find\_element(By.CSS\_SELECTOR, ".quantumWizMenuPaperselectEl").click()

# 10 Seleciona a opção correta.

self.driver.find\_element(By.CSS\_SELECTOR, ".exportSelectPopup > .quantumWizMenuPaperselectOption:nth-child(4)").click()

# 11 Seleciona a resposta para a pergunta: “O quanto você gosta de animas?”

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdMaterialScalecontentColumn:nth-child(11) > div:nth-child(2) > div:nth-child(1)").click()

# 12 Seleciona a opção, respeitando a condição de uma escolha por coluna, na primeira linha.

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewNumberedItemContainer:nth-child(7) > div:nth-child(1) > div:nth-child(2) > div:nth-child(1) > div:nth-child(1) > div:nth-child(1) > div:nth-child(2) > span:nth-child(1) > div:nth-child(2) > div:nth-child(1)").click()

# 13 Seleciona a opção, respeitando a condição de uma escolha por coluna, na segunda linha.

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewNumberedItemContainer:nth-child(7) > div:nth-child(1) > div:nth-child(2) > div:nth-child(1) > div:nth-child(1) > div:nth-child(1) > div:nth-child(3) > span:nth-child(1) > div:nth-child(3) > div:nth-child(1)").click()

# 14 Seleciona a opção, respeitando a condição de uma escolha por coluna, na terceira linha.

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewNumberedItemContainer:nth-child(7) > div:nth-child(1) > div:nth-child(2) > div:nth-child(1) > div:nth-child(1) > div:nth-child(1) > div:nth-child(4) > span:nth-child(1) > div:nth-child(5) > div:nth-child(1)").click()

# 15 Seleciona a opção, respeitando a condição de uma escolha por coluna, na quarta linha.

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewNumberedItemContainer:nth-child(7) > div:nth-child(1) > div:nth-child(2) > div:nth-child(1) > div:nth-child(1) > div:nth-child(1) > div:nth-child(5) > span:nth-child(1) > div:nth-child(4) > div:nth-child(1)").click()

# 16 Clica na primeira checkbox da coluna pão - pão1

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(2) > label:nth-child(2) > div:nth-child(1) > div:nth-child(1)").click()

# 17 Clica na segunda checkbox da coluna pão – pão2

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(3) > label:nth-child(2) > div:nth-child(1) > div:nth-child(1)").click()

# 18 Clica na terceira checkbox da coluna pão - pao3

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(4) > label:nth-child(2) > div:nth-child(1) > div:nth-child(1)").click()

# 19 Clica na quarta checkbox da coluna pão - pao4

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(5) > label:nth-child(2) > div:nth-child(1) > div:nth-child(1)").click()

# 20 Lê o valor do primeiro campo sanduiche e guarda na variavel sand1

self.vars["sand\_1"] = self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewNumberedItemContainer:nth-child(8) .freebirdFormviewerViewItemsGridRow:nth-child(2) > .freebirdFormviewerViewItemsGridRowHeader").text

# 21 Lê o valor do segundo campo sanduiche e guarda na variavel sand2

self.vars["sand\_2"] = self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewNumberedItemContainer:nth-child(8) .freebirdFormviewerViewItemsGridRow:nth-child(3) > .freebirdFormviewerViewItemsGridRowHeader").text

# 22 Lê o valor do terceiro campo sanduiche e guarda na variavel sand3

self.vars["sand\_3"] = self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewNumberedItemContainer:nth-child(8) .freebirdFormviewerViewItemsGridRow:nth-child(4) > .freebirdFormviewerViewItemsGridRowHeader").text

# 23 Lê o valor do quarto campo sanduiche e guarda na variavel sand4

self.vars["sand\_4"] = self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewNumberedItemContainer:nth-child(8) .freebirdFormviewerViewItemsGridRow:nth-child(5) > .freebirdFormviewerViewItemsGridRowHeader").text

# 24 | if | ( ${sand\_1} == 'Vegetariano' || ${sand\_1} == 'Xburguer' || ${sand\_1} == 'EggXburger' ) | |

if self.driver.execute\_script("return (( arguments[0] == \'Vegetariano\' || arguments[0] == \'Xburguer\' || arguments[0] == \'EggXburger\' ))", self.vars["sand\_1"]):

# 25 Clica na primeira checkbox da coluna Queijo - queijo1

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(2) > label:nth-child(4) > div:nth-child(1) > div:nth-child(1)").click()

# 26 | end | | |

# 27 | if | ( ${sand\_2} == 'Vegetariano' || ${sand\_2} == 'Xburguer' || ${sand\_2} == 'EggXburger' ) | |

if self.driver.execute\_script("return (( arguments[0] == \'Vegetariano\' || arguments[0] == \'Xburguer\' || arguments[0] == \'EggXburger\' ))", self.vars["sand\_2"]):

# 28 Clica na segunda checkbox da coluna Queijo - queijo2

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(3) > label:nth-child(4) > div:nth-child(1) > div:nth-child(1)").click()

# 29 | end | | |

# 30 | if | ( ${sand\_3} == 'Vegetariano' || ${sand\_3} == 'Xburguer' || ${sand\_3} == 'EggXburger' )

if self.driver.execute\_script("return (( arguments[0] == \'Vegetariano\' || arguments[0] == \'Xburguer\' || arguments[0] == \'EggXburger\' ))", self.vars["sand\_3"]):

# 31 Clica na terceira checkbox da coluna Queijo - queijo3

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(4) > label:nth-child(4) > div:nth-child(1) > div:nth-child(1)").click()

# 32 | end | | |

# 33 | if | ( ${sand\_4} == 'Vegetariano' || ${sand\_4} == 'Xburguer' || ${sand\_4} == 'EggXburger' ) | |

if self.driver.execute\_script("return (( arguments[0] == \'Vegetariano\' || arguments[0] == \'Xburguer\' || arguments[0] == \'EggXburger\' ))", self.vars["sand\_4"]):

# 34 Clica na quarta checkbox da coluna Queijo - queijo4

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(5) > label:nth-child(4) > div:nth-child(1) > div:nth-child(1)").click()

# 35 | end | | |

# 36 | if | ( ${sand\_1} == 'Hamburguer' || ${sand\_1} == 'Xburguer' || ${sand\_1} == 'EggXburger' ) | |

if self.driver.execute\_script("return (( arguments[0] == \'Hamburguer\' || arguments[0] == \'Xburguer\' || arguments[0] == \'EggXburger\' ))", self.vars["sand\_1"]):

# 37 Clica na primeira checkbox da coluna Carne - carne1

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(2) > label:nth-child(3) > div:nth-child(1) > div:nth-child(1)").click()

# 38 | end | | |

# 39 | if | ( ${sand\_2} == 'Hamburguer' || ${sand\_2} == 'Xburguer' || ${sand\_2} == 'EggXburger' ) | |

if self.driver.execute\_script("return (( arguments[0] == \'Hamburguer\' || arguments[0] == \'Xburguer\' || arguments[0] == \'EggXburger\' ))", self.vars["sand\_2"]):

# 40 Clica na segunda checkbox da coluna Carne - carne2

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(3) > label:nth-child(3) > div:nth-child(1) > div:nth-child(1)").click()

# 41 | end | | |

# 42 | if | ( ${sand\_3} == 'Hamburguer' || ${sand\_3} == 'Xburguer' || ${sand\_3} == 'EggXburger' ) | |

if self.driver.execute\_script("return (( arguments[0] == \'Hamburguer\' || arguments[0] == \'Xburguer\' || arguments[0] == \'EggXburger\' ))", self.vars["sand\_3"]):

# 43 Clica na terceira checkbox da coluna Carne - carne3

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(4) > label:nth-child(3) > div:nth-child(1) > div:nth-child(1)").click()

# 44 | end | | |

# 45 | if | ( ${sand\_4} == 'Hamburguer' || ${sand\_4} == 'Xburguer' || ${sand\_4} == 'EggXburger' ) | |

if self.driver.execute\_script("return (( arguments[0] == \'Hamburguer\' || arguments[0] == \'Xburguer\' || arguments[0] == \'EggXburger\' ))", self.vars["sand\_4"]):

# 46 Clica na quarta checkbox da coluna Carne - carne4

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(5) > label:nth-child(3) > div:nth-child(1) > div:nth-child(1)").click()

# 47 | end | | |

# 48 | if | ${sand\_1} == 'EggXburger' | |

if self.driver.execute\_script("return (arguments[0] == \'EggXburger\')", self.vars["sand\_1"]):

# 49 Clica na primeira checkbox da coluna Ovo - ovo1

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(2) > label:nth-child(5) > div:nth-child(1) > div:nth-child(1)").click()

# 50 | end | | |

# 51 | if | ${sand\_2} == 'EggXburger' | |

if self.driver.execute\_script("return (arguments[0] == \'EggXburger\')", self.vars["sand\_2"]):

# 52 Clica na segunda checkbox da coluna Ovo - ovo2

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(3) > label:nth-child(5) > div:nth-child(1) > div:nth-child(1)").click()

# 53 | end | | |

# 54 | if | ${sand\_3} == 'EggXburger' | |

if self.driver.execute\_script("return (arguments[0] == \'EggXburger\')", self.vars["sand\_3"]):

# 55 Clica na terceira checkbox da coluna Ovo - ovo3

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(4) > label:nth-child(5) > div:nth-child(1) > div:nth-child(1)").click()

# 56 | end | | |

# 57 | if | ${sand\_4} == 'EggXburger' | |

if self.driver.execute\_script("return (arguments[0] == \'EggXburger\')", self.vars["sand\_4"]):

# 58 Clica na quarta checkbox da coluna Ovo - ovo4

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(5) > label:nth-child(5) > div:nth-child(1) > div:nth-child(1)").click()

# 59 | end | | |

# 60 Clica na primeira checkbox da coluna Salada - salada1

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(2) > label:nth-child(6) > div:nth-child(1) > div:nth-child(1)").click()

# 61 Clica na segunda checkbox da coluna Salada - salada2

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(3) > label:nth-child(6) > div:nth-child(1) > div:nth-child(1)").click()

# 62 Clica na terceira checkbox da coluna Salada - salada3

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(4) > label:nth-child(6) > div:nth-child(1) > div:nth-child(1)").click()

# 63 Clica na quarta checkbox da coluna Salada - salada4

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsGridCheckboxGroup:nth-child(5) > label:nth-child(6) > div:nth-child(1) > div:nth-child(1)").click()

# 64 Recebe o valor da variavel Dia no campo dia.

self.vars["'\'(str(dia))'\'"] = self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsDateDateSelectionInput:nth-child(1) > div:nth-child(1) > div:nth-child(2) > div:nth-child(1) > div:nth-child(1) > div:nth-child(1) > input:nth-child(1)").send\_keys(str(dia))

# 65 Recebe o valor da variavel mês no campo mês.

self.vars["\'(str(mes))\'"] = self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsDateDateSelectionInput:nth-child(3) > div:nth-child(1) > div:nth-child(2) > div:nth-child(1) > div:nth-child(1) > div:nth-child(1) > input:nth-child(1)").send\_keys(str(mes))

# 66 Recebe o valor da variavel ano no campo ano

self.vars["\'(str(ano))\'"] = self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsDateDateInputs .quantumWizTextinputPaperinputInput").get\_attribute(str(ano))

# 67 | echo | $dia/$mes/$ano | | #

print( str(dia) + '/' + str(mes) + '/'+ str(ano))

# 68 | echo | css=.freebirdFormviewerViewItemsTimeNumberEdit:nth-child(1) .quantumWizTextinputPaperinputInput | 00 | #

print(str("css=.freebirdFormviewerViewItemsTimeNumberEdit:nth-child(1) .quantumWizTextinputPaperinputInput"))

# 69 Recebe o valor da variavel hora\_adiantada no campo hora

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdFormviewerViewItemsTimeInput:nth-child(2) > div:nth-child(1) > div:nth-child(1) > div:nth-child(1) > input:nth-child(1)").send\_keys(str(hora\_adiantada))

# 70 Recebe o valor da variavel minuto no campo minuto e espera 10 segundos para prosseguir.

self.driver.find\_element(By.CSS\_SELECTOR, ".freebirdThemedInputDarkerDisabled:nth-child(1) > div:nth-child(1) > div:nth-child(1) > div:nth-child(1) > input:nth-child(1)").send\_keys(str(minuto))

time.sleep(10)

# 71 Clica no botão Enviar e espera 20 segundos para ir para pagina de confirmação de registro.

self.driver.find\_element(By.CSS\_SELECTOR, ".quantumWizButtonPaperbuttonLabel").click()

time.sleep(20)