#My understanding of Task

# Task 1 Initiate the driver

# Task 2 Load flipkart.com

# Task 3 In search bar seach for 'Samsung Galaxy S10'

# Task 4 On results page click on 'Mobiles' in categories

# Task 5 Apply the filters by selecting Brand as SAMSUNG and selecting Flipkart asssured

# Task 6 Select the option 'Price -> High to Low'

# Task 7 Get only the 1st Page of the resullts

# Task 8 Print the list of Product Name, Display Price, Link to Product Details Page for each result in results

# Importing the modules

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.keys import Keys

from selenium.webdriver.support.wait import WebDriverWait

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

import time

import yaml

from selenium.webdriver.chrome.options import Options

with open('browserstack.yml') as file:

config = yaml.load(file, Loader=yaml.FullLoader)

# Initialize WebDriver with BrowserStack capabilities

desired\_cap = {

'browserstack.local': config.get('browserstackLocal'),

'build': config.get('buildName'),

'project': config.get('projectName'),

\*\*config['platforms'][0]

}

chrome\_options = Options()

chrome\_options.add\_argument("--ignore-certificate-errors")

driver = webdriver.Remote(

command\_executor=f"http://{config['userName']}:{config['accessKey']}@hub-cloud.browserstack.com/wd/hub",

desired\_capabilities=config['platforms'][0],

options=chrome\_options

)

# T2 Load flipkart.com

driver.get("https://www.flipkart.com/")

time.sleep(5)

# T3 In search bar search for 'Samsung Galaxy S10'

mobile\_search = driver.find\_element(By.NAME, "q")

time.sleep(5)

mobile\_search.send\_keys("Samsung Galaxy S10")

mobile\_search.send\_keys(Keys.RETURN)

time.sleep(5)

# T4 On results page click on 'Mobiles' in categories'

mobiles\_category = driver.find\_element(By.XPATH, "//a[text()='Mobiles']")

time.sleep(5)

mobiles\_category.click()

# T5 Apply the filters by selecting Brand as SAMSUNG and selecting Flipkart asssured

samsung\_filter = WebDriverWait(driver, 10).until(

EC.presence\_of\_element\_located((By.XPATH, "//div[text()='SAMSUNG']"))

)

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

time.sleep(10)

flipkart\_assured\_filter = WebDriverWait(driver, 10).until(

EC.element\_to\_be\_clickable((By.XPATH, "//img[contains(@src, 'fa\_62673a.png')]"))

)

#driver.execute\_script("arguments[0].scrollIntoView(true);", flipkart\_assured\_filter)

driver.execute\_script("arguments[0].click();", flipkart\_assured\_filter)

time.sleep(10)

# T6 Select the option 'Price -> High to Low'

sort\_high\_to\_low = driver.find\_element(By.XPATH, "//div[text()='Price -- High to Low']")

time.sleep(5)

sort\_high\_to\_low.click()

time.sleep(5)

# T7 Get only the 1st Page of the resullts

WebDriverWait(driver, 10).until(

EC.presence\_of\_element\_located((By.CLASS\_NAME, "\_75nlfW"))

)

time.sleep(20)

# T8 Print the list of Product Name, Display Price, Link to Product Details Page for each result in results

product\_elements = driver.find\_elements(By.CLASS\_NAME, "\_75nlfW")

for product in product\_elements:

name = product.find\_element(By.CLASS\_NAME, "KzDlHZ").text

price = product.find\_element(By.CLASS\_NAME, "\_4b5DiR").text

link = product.find\_element(By.TAG\_NAME, "a").get\_attribute("href")

print("Product Name:", name)

print("Product Price:", price)

print("Link to Product Details Page:", link)

print()

driver.quit()