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| Project: QA\_selenium (Automate web Page)  Task : To verify the city search by keyword New York and it shows 5 corresponding office in search list  Automation tester: Kiran Patil  Reporting Person : Guru Nath |

1. Objectives:

To automate web page where search result for New York city in search list and it has to shows the all available office in New York city in search results table.

2. Strategy:

1. Analyze the Requirements

2. Setup Test-Environment

3. Configure the environment

3. Tools:

1. Python Scripting language

2. Selenium web-driver

3. Pytest

4. Pycharm IDE 3.12

5. windows 10

6. git , github

4. Test schedule:

1. Test-lead :

To verify the Automation script

To verify Test-cases

To approve environment setup, Test-cases and Automation script

2. Automation Tester:

To analyze and develop test plan

Develop test case

Setup test Environment

Develop Automation script

5.Steps to Automate web Page:

1. First go to pycharm IDE 3.12

2. Install all required packages: pip, selenium, selenium web-driver, chrome services, pytest

3. Import all packages and module using import class

from re import search

from selenium import web driver

from selenium.webdriver.common.by import By

from selenium.webdriver.chrome.service import Service

4. setup chrome\_driver

driver\_path = r'C:\Drivers\chromedriver-win32\chromedriver.exe'

ser\_obj = Service(executable\_path=driver\_path)

driver = webdriver.Chrome(service=ser\_obj)

5.get the url

driver.get("https://www.lambdatest.com/selenium-playground/table-sort-search-demo")

6.maximize the window:

driver.get("https://www.lambdatest.com/selenium-playground/table-sort-search-demo")

7.Write Xpath for search bar and click on it:

driver.find\_element(By.XPATH,"//input[@type='search']").click()

8.Enter/send the city name using send\_keys method by storing the search variable as new\_yk

new\_yk =driver.find\_element(By.XPATH,"//input[@type='search']")

new\_yk.send\_keys("New York")

9.through Xpath locate search result table and iterate using for loop and print result:

rows =len(driver.find\_elements(By.XPATH,"//table[@id ='example']/tbody/tr"))

table = driver.find\_element(By.XPATH,"//table[@id ='example']/tbody/tr/td").text

for r in range(1,1+rows):

office =driver.find\_element(By.XPATH,"//table[@id ='example']/tbody/tr["+str(r)+"]/td[3]").text

if office=="New York":

search\_result = len(driver.find\_elements(By.XPATH, "//table[@id ='example']/tbody/tr"))

print(search\_result)

10.finalily close the application:

driver.close()