# Code Documentation – <https://OpenWeatherMap.org>

### Description:

1. Import the required files from selenium before using them.

import time  
  
from selenium import webdriver  
from selenium.webdriver.support import expected\_conditions as EC  
from selenium.webdriver.common.by import By  
from selenium.webdriver.common.keys import Keys  
from selenium.webdriver.support.wait import WebDriverWait

1. Open the Chrome browser and maximize it.

driver = webdriver.Chrome()  
driver.maximize\_window()

1. Navigate to the weathermap website.

driver.get("https://openweathermap.org")  
time.sleep(10)

1. Click allow all cookies to make the page visible and intractable.

driver.find\_element\_by\_xpath('//\*[@id="stick-footer-panel"]/div/div/div/div/div/button').click()

1. Enter the invalid city name and click the submit button.

driver.find\_element\_by\_css\_selector("input.form-control:nth-child(2)").send\_keys("fdagfasgasg")  
# click submit button  
driver.find\_element\_by\_xpath("/html/body/main/div[2]/div/div/div/div[2]/div/form/button").click()

1. Get the text from the website and verifies whether website suggests the city is "Not found"

message = driver.find\_element\_by\_xpath('/html/body/main/div[4]/div/div/div/div/div').text  
errorMessage = message.splitlines()  
# verified whether it has invalid city or not  
assert errorMessage[1] == "Not found", "Enter the incorrect city"  
time.sleep(5)

1. Now enters the valid city name and click submit button.

driver.find\_element\_by\_id("search\_str").clear()  
# enter the valid city  
driver.find\_element\_by\_id("search\_str").send\_keys("Mumbai")  
# click submit button  
driver.find\_element\_by\_xpath("/html/body/main/div[2]/div/div/div/form/button").click()

1. Get the temperature from the website and verifies that website successfully returns weather details for the city.

# get the temperature  
temperature = driver.find\_element\_by\_xpath("/html/body/main/div[4]/div/div/div/div/table/tbody/tr/td[2]/p[1]").text  
print temperature  
mumbai = temperature.split(",")  
# split the temperature to verify whether it shows the temperature details or not  
split\_value = mumbai[1].startswith("wind", 1)  
assert split\_value == True, 'Enter the correct city'  
time.sleep(3)

1. Now click Sign in button and navigates to the sign-in page where fills the invalid email and password.

# wait until the element is located on the page

driver.find\_element\_by\_xpath("/html/body/div[1]/div/div/div[1]/a[3]").click()  
WebDriverWait(driver, 5).until(EC.presence\_of\_element\_located((By.ID, "user\_email")))  
# enter invalid email and password  
driver.find\_element\_by\_id("user\_email").send\_keys("egdgagasgas")  
driver.find\_element\_by\_id("user\_password").send\_keys("fafasfasfasg" + Keys.ENTER)

1. Now get the alert message and verifies whether that website suggest those credentials are invalid.

# wait until that element is located on the present page  
alert = WebDriverWait(driver, 10).until(EC.presence\_of\_element\_located((By.XPATH, "/html/body/div[3]/div["  
 "3]/div/div/div/div[2]"))).text  
# to check the condition whether it has invalid credentials or not  
assert alert == "Invalid Email or password.", "enter invalid credentials"

1. Close the web browser.

driver.quit()