# selenium\_registration\_form\_test.py

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.keys import Keys

import time

import unittest

class RegistrationFormTests(unittest.TestCase):

def setUp(self):

# Setup the webdriver (Chrome in this case)

self.driver = webdriver.Chrome()

self.driver.get('http://example.com/registration')

def test\_successful\_form\_submission(self):

driver = self.driver

# Enter valid full name

driver.find\_element(By.ID, 'fullName').send\_keys('John Doe')

# Enter valid email address

driver.find\_element(By.ID, 'email').send\_keys('john.doe@example.com')

# Enter valid password

driver.find\_element(By.ID, 'password').send\_keys('password123')

# Confirm password

driver.find\_element(By.ID, 'confirmPassword').send\_keys('password123')

# Enter date of birth

driver.find\_element(By.ID, 'dateOfBirth').send\_keys('2000-01-01')

# Select gender

driver.find\_element(By.XPATH, '//input[@name="gender"][value="Male"]').click()

# Subscribe to newsletter

driver.find\_element(By.ID, 'newsletter').click()

# Submit the form

driver.find\_element(By.ID, 'submit').click()

# Wait for the confirmation message to appear

time.sleep(2)

# Verify successful submission

success\_message = driver.find\_element(By.XPATH, '//div[contains(text(), "Registration successful")]')

self.assertTrue(success\_message.is\_displayed(), "Registration successful message not displayed")

def test\_invalid\_email\_format(self):

driver = self.driver

# Enter valid full name

driver.find\_element(By.ID, 'fullName').send\_keys('John Doe')

# Enter invalid email address

driver.find\_element(By.ID, 'email').send\_keys('john.doe@example')

# Enter valid password

driver.find\_element(By.ID, 'password').send\_keys('password123')

# Confirm password

driver.find\_element(By.ID, 'confirmPassword').send\_keys('password123')

# Enter date of birth

driver.find\_element(By.ID, 'dateOfBirth').send\_keys('2000-01-01')

# Select gender

driver.find\_element(By.XPATH, '//input[@name="gender"][value="Male"]').click()

# Subscribe to newsletter

driver.find\_element(By.ID, 'newsletter').click()

# Submit the form

driver.find\_element(By.ID, 'submit').click()

# Wait for the error message to appear

time.sleep(2)

# Verify error message for invalid email

error\_message = driver.find\_element(By.XPATH, '//div[contains(text(), "Please enter a valid email address")]')

self.assertTrue(error\_message.is\_displayed(), "Error message for invalid email not displayed")

def tearDown(self):

# Close the browser

self.driver.quit()

if \_\_name\_\_ == "\_\_main\_\_":

unittest.main()