**Automation Test**

1. **API Automation Test**
2. GET -> <https://jsonplaceholder.cypress.io/posts->>To make sure this end-point

have a correct data-type below:

■userId -> Integer

■id -> Integer

■title -> String

■body -> String

**Test script:**

**require 'uri'**

**require 'net/http'**

**expectedOutput = [Integer, Integer, String, String]**

**actualOutput = []**

**Given("Access URI") do**

**uri = URI("https://jsonplaceholder.cypress.io/posts")**

**res = Net::HTTP.get\_response(uri)**

**data = JSON.parse(res.body)**

**actualOutput.push(data[0]['userId'].class)**

**actualOutput.push(data[0]['id'].class)**

**actualOutput.push(data[0]['title'].class)**

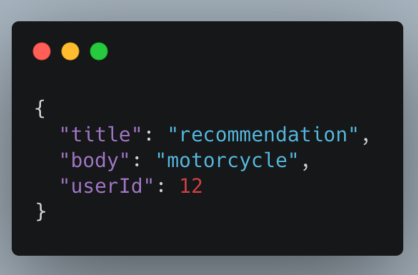
**actualOutput.push(data[0]['body'].class)**

**end**

**Then("Compare") do**

**expect(actualOutput).to eq(expectedOutput)**

**end**

1. POST -> <https://jsonplaceholder.cypress.io/posts> -> To make sure this end-point get a correct response compare with the input data:

**Answer:**

**require 'uri'**

**require 'net/http'**

**expectedOutput = ['recomendation', 'motorcycle', 12]**

**actualOutput = []**

**Given("Access post URI") do**

**uri = URI('https://jsonplaceholder.cypress.io/posts')**

**res = Net::HTTP.post\_form(uri, 'title'=>'recomendation', 'body'=>'motorcycle', 'userId'=>12)**

**data = JSON.parse(res.body)**

**actualOutput.push(data['title'])**

**actualOutput.push(data['body'])**

**actualOutput.push(data['userId'])**

**end**

**Then("Compare result") do**

**expect(actualOutput).to eq(expectedOutput)**

**end**

**2. Web and Mobile Automation Test**

1. Create automation test script to test 1 of these scenarios using Bukalapak website:

■Register

■Login

■Add to Cart

■Search Product

**Answer:**

**require 'selenium-webdriver'**

**require 'rubygems'**

**require 'rspec'**

**driver = Selenium::WebDriver.for :chrome**

**link = "https://www.bukalapak.com/"**

**email = "indahtrivena312@gmail.com"**

**password = "indahtriv008"**

**wrongPassword = "indahtriv"**

**Given("Open Bukalapak") do**

**driver.navigate.to link**

**end**

**Then("Go To Register Page") do**

**driver.find\_element(:xpath, '//\*[@id="vm\_\_white-header-dweb"]/section/header/div[3]/div/div/div[2]/div/a[1]').click**

**driver.find\_element(:xpath, '/html/body/main/div/div[2]/section/div[1]/div[1]/div/input').send\_keys email**

**driver.find\_element(:xpath, '/html/body/main/div/div[2]/section/div[2]/button').click**

**sleep(5)**

**driver.find\_element(:xpath, '//\*[@id="TFAJS-1629884816598"]/section/div/div[2]/div/div[2]/div/div/div/div/button[1]').click**

**sleep(5)**

**driver.find\_element(:xpath, '/html/body/main/div/div[2]/section/div[6]/div[2]/div/a').click**

**end**

**Then("Compare URL") do**

**urlNya = driver.current\_url**

**puts urlNya**

**expect(urlNya).to eq("https://accounts.bukalapak.com/login?comeback=https%3A%2F%2Fwww.bukalapak.com%2F")**

**end**

**Then("Go To Login Page") do**

**driver.find\_element(:xpath, '//\*[@id="vm\_\_white-header-dweb"]/section/header/div[3]/div/div/div[2]/div/a[2]/p').click**

**driver.find\_element(:xpath, '//\*[@id="user\_identity\_textfield"]').send\_keys email**

**sleep(2)**

**driver.find\_element(:xpath, '//\*[@id="submit\_button"]').click**

**sleep(2)**

**end**

**Then ("Input True Password") do**

**driver.find\_element(:xpath, '//\*[@id="input-password"]').send\_keys password**

**driver.find\_element(:xpath, '//\*[@id="btn-login"]').click**

**sleep(3)**

**end**

**Then ("Input Wrong Password") do**

**driver.find\_element(:xpath, '//\*[@id="input-password"]').send\_keys wrongPassword**

**driver.find\_element(:xpath, '//\*[@id="btn-login"]').click**

**sleep(3)**

**end**

**Then("Compare After Login") do**

**urlNya = driver.current\_url**

**puts urlNya**

**expect(urlNya).to eq("https://www.bukalapak.com/?flash=you\_login")**

**end**

**Then("Compare Failed Login") do**

**urlNya = driver.current\_url**

**puts urlNya**

**expect(urlNya).to eq("https://accounts.bukalapak.com/login")**

**end**

**Then("Go To Search") do**

**driver.find\_element(:xpath, '//\*[@id="v-omnisearch\_\_input"]').send\_keys 'iphone 8 64gb second fulset'**

**driver.find\_element(:xpath, '//\*[@id="v-omnisearch"]/button').click**

**end**

**Then("I Add To Cart") do**

**driver.find\_element(:xpath, '//\*[@id="product-explorer-container"]/div/div[1]/div[2]/div/div[2]/div[3]/div/div[1]/div/div/div[2]/div[1]/p/a').click**

**driver.find\_element(:xpath, '//\*[@id="section-main-product"]/div[2]/div[3]/div[1]/div[2]/div[1]/div[2]/span').click**

**driver.find\_element(:xpath, '//\*[@id="section-main-product"]/div[2]/div[3]/div[1]/div[2]/div/div[3]/ul/li[1]').click**

**driver.find\_element(:xpath, '//\*[@id="section-main-product"]/div[2]/div[3]/div[2]/div[2]/div/div[2]/span').click**

**driver.find\_element(:xpath, '//\*[@id="section-main-product"]/div[2]/div[3]/div[2]/div[2]/div/div[3]/ul/li[4]').click**

**driver.find\_element(:xpath, '//\*[@id="section-main-product"]/div[2]/div[6]/div/button[2]').click**

**sleep(3)**

**driver.find\_element(:xpath, '//\*[@id="section-main-product"]/div[2]/div[6]/div[2]/div/div/div/div[3]/div/div[2]/button').click**

**# dropdown = driver.find\_element(:xpath,'//\*[@id="section-main-product"]/div[2]/div[3]/div[1]/div[2]/div/div[2]')**

**# option = dropdown.find\_elements(tag\_name: 'option')**

**# option.each { |option| option.click if option.text == '64GB' }**

**#**

**# dropdown = driver.find\_element(:xpath,'//\*[@id="section-main-product"]/div[2]/div[3]/div[2]/div[2]/div/div[2]')**

**# option = dropdown.find\_elements(tag\_name: 'option')**

**# option.each { |option| option.click if option.text == 'Gold' }**

**#**

**# driver.find\_element(:xpath, '//\*[@id="section-main-product"]/div[2]/div[6]/div/button[2]').click**

**# driver.find\_element(:xpath, '//\*[@id="section-main-product"]/div[2]/div[6]/div[2]/div/div/div/div[3]/div/div[2]/button').click**

**end**

**Then("Compare After Search") do**

**urlNya = driver.current\_url**

**expect(urlNya) == ("https://www.bukalapak.com/c/handphone?from=omnisearch&from\_keyword\_history=false&search%5Bkeywords%5D=iphone%208%2064gb%20second%20fullset&search\_source=omnisearch\_category&source=navbar")**

**end**

**Then("Compare After Cart") do**

**urlNya = driver.current\_url**

**puts urlNya**

**expect(urlNya).to eq("https://www.bukalapak.com/cart/carts?from=dweb\_cart\_popup")**

**end**

1. Download This Apk:

<https://apkpure.com/sample-android-app-login-test/com.loginmodule.learning/download?from=details> Create An Automation Test(positive and negative)for apps with 1 of these scenarios:

■Register

**Answer:**

* Negative Register

import io.appium.java\_client.MobileElement;

import io.appium.java\_client.android.AndroidDriver;

import io.appium.java\_client.android.AndroidElement;

import org.testng.Assert;

import java.net.MalformedURLException;

public class mobileAutomationFailedRegisterTest {

public void FailedRegisterTest(AndroidDriver<AndroidElement> driver,

String email,

String password,

String confirmPassword,

String name) throws MalformedURLException, InterruptedException {

MobileElement el1 =

(MobileElement) driver.findElementById("com.loginmodule.learning:id/textViewLinkRegister");

el1.click();

Thread.sleep(2000);

MobileElement el2 =

(MobileElement) driver.findElementById("com.loginmodule.learning:id/textInputEditTextName");

el2.sendKeys(name);

MobileElement el3 =

(MobileElement) driver.findElementById("com.loginmodule.learning:id/textInputEditTextEmail");

el3.sendKeys(email);

MobileElement el4 = (MobileElement) driver.findElementById(

"com.loginmodule.learning:id/textInputEditTextPassword");

el4.sendKeys(password);

MobileElement el5 = (MobileElement) driver.findElementById(

"com.loginmodule.learning:id/textInputEditTextConfirmPassword");

el5.sendKeys(confirmPassword);

MobileElement el6 =

(MobileElement) driver.findElementById("com.loginmodule.learning:id/appCompatButtonRegister");

el6.click();

MobileElement el7 = (MobileElement) driver.findElementByXPath(

"/hierarchy/android.widget.FrameLayout/android.widget.LinearLayout/android.widget.FrameLayout/android.view.ViewGroup/android.widget.FrameLayout/android.widget.ScrollView/android.support.v7.widget.LinearLayoutCompat/TextInputLayout[4]/android.widget.LinearLayout/android.widget.TextView");

Assert.assertEquals(el7.getText(), "Password Does Not Matches");

}

}

* Positive Register

import io.appium.java\_client.MobileElement;

import io.appium.java\_client.android.AndroidDriver;

import io.appium.java\_client.android.AndroidElement;

import io.appium.java\_client.remote.MobileCapabilityType;

import org.openqa.selenium.remote.DesiredCapabilities;

import org.testng.Assert;

import java.net.MalformedURLException;

import java.net.URL;

public class mobileAutomationRegisterTest {

public void RegisterTest(AndroidDriver<AndroidElement> driver,

String email,

String password,

String confirmPassword,

String name) throws MalformedURLException, InterruptedException {

MobileElement el1 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/textViewLinkRegister");

el1.click();

Thread.sleep(2000);

MobileElement el2 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/textInputEditTextName");

el2.sendKeys(name);

MobileElement el3 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/textInputEditTextEmail");

el3.sendKeys(email);

MobileElement el4 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/textInputEditTextPassword");

el4.sendKeys(password);

MobileElement el5 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/textInputEditTextConfirmPassword");

el5.sendKeys(confirmPassword);

MobileElement el6 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/appCompatButtonRegister");

el6.click();

// MobileElement el7 = (MobileElement) driver.findElementById("/hierarchy/android.widget.FrameLayout/android.widget.LinearLayout/android.widget.FrameLayout/android.view.ViewGroup/android.widget.FrameLayout/android.widget.ScrollView/android.support.v7.widget.LinearLayoutCompat/TextInputLayout[4]/android.widget.LinearLayout/android.widget.TextView");

// el7.getText();

// Assert.assertEquals(el7, "password Does Not Matches" );

Thread.sleep(2000);

MobileElement el9 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/appCompatTextViewLoginLink");

el9.click();

}

}

■Login

**Answer:**

import io.appium.java\_client.MobileElement;

import io.appium.java\_client.android.AndroidDriver;

import io.appium.java\_client.android.AndroidElement;

import io.appium.java\_client.remote.MobileCapabilityType;

import org.openqa.selenium.remote.DesiredCapabilities;

import org.testng.Assert;

import java.net.MalformedURLException;

import java.net.URL;

public class mobileAutomationLoginTest {

public void LoginTest(AndroidDriver<AndroidElement> driver, String email, String password) throws MalformedURLException, InterruptedException {

Thread.sleep(1000);

MobileElement el3 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/textInputEditTextEmail");

el3.sendKeys(email);

MobileElement el5 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/textInputEditTextPassword");

el5.sendKeys(password);

MobileElement el6 = (MobileElement) driver.findElementById("com.loginmodule.learning:id/appCompatButtonLogin");

el6.click();

Thread.sleep(2000);

MobileElement el7 = (MobileElement) driver.findElementByXPath("/hierarchy/android.widget.FrameLayout/android.widget.LinearLayout/android.widget.FrameLayout/android.view.ViewGroup/android.widget.FrameLayout[2]/android.widget.LinearLayout/android.support.v7.widget.LinearLayoutCompat/android.widget.TextView[1]");

Assert.assertEquals(el7.getText(), "Android NewLine Learning" );

}

}