1)

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.Test;

public class EbayAddToCartTest {

@Test

public void verifyAddToCartFunctionality() {

// Set up WebDriver

System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");

WebDriver driver = new ChromeDriver();

// Navigate to eBay

driver.get("https://www.ebay.com");

// Search for "book"

WebElement searchBar = driver.findElement(By.id("gh-ac"));

searchBar.sendKeys("book");

driver.findElement(By.id("gh-btn")).click();

// Click on the first book result

WebElement firstBook = driver.findElement(By.xpath("(//h3[@class='s-item\_\_title'])[1]"));

firstBook.click();

// Click "Add to cart"

WebElement addToCartButton = driver.findElement(By.id("isCartBtn\_btn"));

addToCartButton.click();

// Verify cart update

WebElement cartCount = driver.findElement(By.xpath("//\*[@id='gh-cart']"));

Assert.assertTrue(Integer.parseInt(cartCount.getText()) > 0, "Cart count should be greater than 0");

// Close browser

driver.quit();

}

}

2)

import io.restassured.RestAssured;

import io.restassured.response.Response;

import org.junit.jupiter.api.Test;

import static org.hamcrest.MatcherAssert.assertThat;

import static org.hamcrest.Matchers.\*;

public class CoinDeskApi {

@Test

public void testBpiEntriesAndGbpDescription() {

// Send GET request to the API endpoint

Response response = RestAssured.get("https://api.coindesk.com/v1/bpi/currentprice.json");

// Verify the response status code is 200 (OK)

assertThat(response.getStatusCode(), is(200));

// Extract the 'bpi' object from the response

var bpi = response.jsonPath().getMap("bpi");

// Verify there are exactly 3 BPI entries

assertThat(bpi.keySet(), containsInAnyOrder("USD", "GBP", "EUR"));

// Verify the 'description' field for 'GBP' equals 'British Pound Sterling'

String gbpDescription = response.jsonPath().getString("bpi.GBP.description");

assertThat(gbpDescription, is("British Pound Sterling"));

}

}