**package** demoblazetestng;

**import** java.util.List;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.JavascriptExecutor;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.interactions.Actions;

**import** org.openqa.selenium.support.ui.ExpectedConditions;

**import** org.openqa.selenium.support.ui.WebDriverWait;

**import** org.testng.Reporter;

**import** org.testng.annotations.AfterSuite;

**import** org.testng.annotations.AfterTest;

**import** org.testng.annotations.BeforeSuite;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.Test;

**public** **class** Demoblazestore {

**public** **static** WebDriver *driver*;

@BeforeSuite

**public** **void** launchurl() {

System.*setProperty*("webdriver.chrome.driver", "E:\\Automation\\chromedriver.exe");

*driver*=**new** ChromeDriver();

*driver*.manage().window().maximize();

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

//WebDriverWait wait=new WebDriverWait(driver,20);

Reporter.*log*("First we Locate on Demoblaze",**true**);

}

@BeforeTest

**public** **void** login() **throws** Throwable {

*driver*.findElement(By.*xpath*("//a[@id='login2']")).click();

Thread.*sleep*(2000);

*driver*.findElement(By.*id*("loginusername")).sendKeys("group4");

*driver*.findElement(By.*id*("loginpassword")).sendKeys("123456789");

*driver*.findElement(By.*xpath*("//button[text()='Log in']")).click();

Thread.*sleep*(8000);

Reporter.*log*("Login into demoblaze",**true**);

}

@AfterTest

**public** **void** logout() **throws** Throwable {

System.***out***.println("logout");

*driver*.findElement(By.*xpath*("/html/body/nav/div[1]/ul/li[6]/a")).click();

Thread.*sleep*(8000);

//Actions act=new Actions(driver);

//act.moveToElement(logout).click().perform();

//WebDriverWait wait=new WebDriverWait(driver,20);

//wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//ul[@class=\"navbar-nav ml-auto\"]//li[6]//a")));

Reporter.*log*("Logout from demoblaze",**true**);

}

@AfterSuite

**public** **void** closebrowser() {

*driver*.close();

}

@Test(priority=-3)

**public** **void** Home() {

WebElement Home = *driver*.findElement(By.*xpath*("//a[@class='carousel-control-prev']"));

Actions act=**new** Actions(*driver*);

act.moveToElement(Home).perform();

WebDriverWait wait=**new** WebDriverWait(*driver*,20);

wait.until(ExpectedConditions.*elementToBeClickable*(Home));

Reporter.*log*("Home button should be clickable",**true**);

}

@Test(priority=-2)

**public** **void** Contact() **throws** Throwable {

WebElement contact = *driver*.findElement(By.*xpath*("//a[text()='Contact']"));

Actions act=**new** Actions(*driver*);

act.moveToElement(contact).perform();

WebDriverWait wait=**new** WebDriverWait(*driver*,20);

wait.until(ExpectedConditions.*elementToBeClickable*(contact));

Thread.*sleep*(8000);

//driver.findElement(By.xpath("//button[text()='Close'][1]")).click();

//Thread.sleep(6000);

Reporter.*log*("Contact button should be clickable",**true**);

}

@Test(priority=-1)

**public** **void** Aboutus() **throws** Throwable {

System.***out***.println("aboutus");

Thread.*sleep*(8000);

WebElement aboutus = *driver*.findElement(By.*xpath*("//a[text()='About us']"));

Actions act=**new** Actions(*driver*);

act.moveToElement(aboutus).perform();

WebDriverWait wait=**new** WebDriverWait(*driver*,30);

wait.until(ExpectedConditions.*elementToBeClickable*(aboutus));

Thread.*sleep*(6000);

Reporter.*log*("Aboutus button should be clickable",**true**);

}

@Test(priority=1)

**public** **void** Cart() {

WebElement cart = *driver*.findElement(By.*xpath*("//a[text()='Cart']"));

Actions act=**new** Actions(*driver*);

act.moveToElement(cart).perform();

WebDriverWait wait=**new** WebDriverWait(*driver*,20);

wait.until(ExpectedConditions.*elementToBeClickable*(cart));

Reporter.*log*("Cart button should be clickable",**true**);

}

@Test(priority=2)

**public** **void** Totalphones() **throws** Throwable {

*driver*.findElement(By.*xpath*("//a[text()='Phones']")).click();

Thread.*sleep*(4000);

JavascriptExecutor js=(JavascriptExecutor)*driver*;

js.executeScript("window.scrollBy(0,150);");

Thread.*sleep*(4000);

List<WebElement> phones = *driver*.findElements(By.*xpath*("//div[@class='col-lg-4 col-md-6 mb-4']"));

System.***out***.println("Total phone products = "+phones.size());

**for**(WebElement mobiles:phones)

{

System.***out***.println(mobiles.getAttribute("col-lg-4 col-md-6 mb-4"));

System.***out***.println(mobiles.getText());

}

Reporter.*log*("To check Which number of phone items should be present",**true**);

}

@Test(priority=3)

**public** **void** Totallaptops() **throws** Throwable {

*driver*.findElement(By.*xpath*("//a[text()='Laptops']")).click();

Thread.*sleep*(4000);

JavascriptExecutor js=(JavascriptExecutor)*driver*;

js.executeScript("window.scrollBy(0,150);");

Thread.*sleep*(4000);

List<WebElement> laptops = *driver*.findElements(By.*xpath*("//div[@class='col-lg-4 col-md-6 mb-4']"));

System.***out***.println("Total phone products = "+laptops.size());

**for**(WebElement lappy:laptops)

{

System.***out***.println(lappy.getAttribute("col-lg-4 col-md-6 mb-4"));

System.***out***.println(lappy.getText());

}

Reporter.*log*("To check Which number of laptops items should be present",**true**);

}

@Test(priority=4)

**public** **void** TotalMonitors() **throws** Throwable {

*driver*.findElement(By.*xpath*("//a[text()='Monitors']")).click();

Thread.*sleep*(4000);

JavascriptExecutor js=(JavascriptExecutor)*driver*;

js.executeScript("window.scrollBy(0,150);");

Thread.*sleep*(4000);

List<WebElement> monitors = *driver*.findElements(By.*xpath*("//div[@class='col-lg-4 col-md-6 mb-4']"));

System.***out***.println("Total Mpnotors products = "+monitors.size());

**for**(WebElement Monitors:monitors)

{

System.***out***.println(Monitors.getAttribute("col-lg-4 col-md-6 mb-4"));

System.***out***.println(Monitors.getText());

}

Reporter.*log*("To check Which number of Monitors items should be present",**true**);

}

}

Output:-

[RemoteTestNG] detected TestNG version 7.4.0

Starting ChromeDriver 103.0.5060.134 (8ec6fce403b3feb0869b0732eda8bd95011d333c-refs/branch-heads/5060@{#1262}) on port 41326

Only local connections are allowed.

Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.

ChromeDriver was started successfully.

[1660938261.018][WARNING]: This version of ChromeDriver has not been tested with Chrome version 104.

Aug 20, 2022 1:14:21 AM org.openqa.selenium.remote.ProtocolHandshake createSession

INFO: Detected dialect: W3C

First we Locate on Demoblaze

Login into demoblaze

Home button should be clickable

Contact button should be clickable

aboutus

Aboutus button should be clickable

Cart button should be clickable

Total phone products7

null

Samsung galaxy s6

$360

The Samsung Galaxy S6 is powered by 1.5GHz octa-core Samsung Exynos 7420 processor and it comes with 3GB of RAM. The phone packs 32GB of internal storage cannot be expanded.

null

Nokia lumia 1520

$820

The Nokia Lumia 1520 is powered by 2.2GHz quad-core Qualcomm Snapdragon 800 processor and it comes with 2GB of RAM.

null

Nexus 6

$650

The Motorola Google Nexus 6 is powered by 2.7GHz quad-core Qualcomm Snapdragon 805 processor and it comes with 3GB of RAM.

null

Samsung galaxy s7

$800

The Samsung Galaxy S7 is powered by 1.6GHz octa-core it comes with 4GB of RAM. The phone packs 32GB of internal storage that can be expanded up to 200GB via a microSD card.

null

Iphone 6 32gb

$790

It comes with 1GB of RAM. The phone packs 16GB of internal storage cannot be expanded. As far as the cameras are concerned, the Apple iPhone 6 packs a 8-megapixel primary camera on the rear and a 1.2-megapixel front shooter for selfies.

null

Sony xperia z5

$320

Sony Xperia Z5 Dual smartphone was launched in September 2015. The phone comes with a 5.20-inch touchscreen display with a resolution of 1080 pixels by 1920 pixels at a PPI of 424 pixels per inch.

null

HTC One M9

$700

The HTC One M9 is powered by 1.5GHz octa-core Qualcomm Snapdragon 810 processor and it comes with 3GB of RAM. The phone packs 32GB of internal storage that can be expanded up to 128GB via a microSD card.

To check Which number of phone items should be present

Total phone products6

null

Sony vaio i5

$790

Sony is so confident that the VAIO S is a superior ultraportable laptop that the company proudly compares the notebook to Apple's 13-inch MacBook Pro. And in a lot of ways this notebook is better, thanks to a lighter weight.

null

Sony vaio i7

$790

REVIEW Sony is so confident that the VAIO S is a superior ultraportable laptop that the company proudly compares the notebook to Apple's 13-inch MacBook Pro. And in a lot of ways this notebook is better, thanks to a lighter weight, higher-resolution display, more storage space, and a Blu-ray drive.

null

MacBook air

$700

1.6GHz dual-core Intel Core i5 (Turbo Boost up to 2.7GHz) with 3MB shared L3 cache Configurable to 2.2GHz dual-core Intel Core i7 (Turbo Boost up to 3.2GHz) with 4MB shared L3 cache.

null

Dell i7 8gb

$700

6th Generation Intel Core i7-6500U Dual-Core Processor 2.5 GHz (max boost speed up to 3.1GHz) 4MB L3 Cache, 8GB DDR4 1600 MHz, 1TB 5400 RPM HDD15.6 in Full HD LED-backlit touchscreen with Truelife (1920 x 1080), 10-finger multi-touch support, Intel HD Graphics 520 with shared graphics memory

null

2017 Dell 15.6 Inch

$700

7th Gen Intel Core i7-7500U mobile processor 2.70 GHz with Turbo Boost Technology up to 3.50 GHz, Intel HD Graphics 62015.6 inch Full HD IPS TrueLife LED-backlit touchscreen (1920 x 1080), 10-finger multi-touch support, 360� flip-and-fold design,8GB DDR4 2400 MHz Memory, 1TB 5400 RPM HDD, No optical drive, 3 in 1 card reader (SD SDHC SDXC)

null

MacBook Pro

$1100

Apple has introduced three new versions of its MacBook Pro line, including a 13-inch and 15-inch model with the Touch Bar, a thin, multi-touch strip display that sits above the MacBook Pro's keyboard.

To check Which number of laptops items should be present

Total phone products2

null

Apple monitor 24

$400

LED Cinema Display features a 27-inch glossy LED-backlit TFT active-matrix LCD display with IPS technology and an optimum resolution of 2560x1440. It has a 178 degree horizontal and vertical viewing angle, a "typical" brightness of 375 cd/m2, contrast ratio of 1000:1, and a 12 ms response time.

null

ASUS Full HD

$230

ASUS VS247H-P 23.6- Inch Full HD

To check Which number of Monitors items should be present

logout

Logout from demoblaze

PASSED: Cart

PASSED: Home

PASSED: Totalphones

PASSED: TotalMonitors

PASSED: Contact

PASSED: Aboutus

PASSED: Totallaptops

===============================================

Default test

Tests run: 7, Failures: 0, Skips: 0

===============================================

===============================================

Default suite

Total tests run: 7, Passes: 7, Failures: 0, Skips: 0

===============================================

