**package** webtest.web;

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

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**import** java.time.Duration;

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

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

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

**import** org.openqa.selenium.firefox.FirefoxDriver;

**import** org.testng.annotations.AfterMethod;

**import** org.testng.annotations.BeforeMethod;

**import** org.testng.annotations.DataProvider;

**import** org.testng.annotations.Parameters;

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

**public** **class** AmazonAppTest {

WebDriver driver;

String url1, url2, url3;

@BeforeMethod

**public** **void** setUpDriver() {

driver = **new** ChromeDriver();

url1 = "https://www.amazon.in";

url2 = "https://www.amazon.in/dp/B0DGJ65N7V";

url3 = "https://www.amazon.in/Fujifilm-mini-99-Instax-Mini/dp/B0CWLVF7WC?ref\_=ast\_sto\_dp";

}

@Test(groups = "smoke")

**public** **void** launchAmzHomePage() **throws** InterruptedException {

driver.get(url1);

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(10));

System.***out***.println("From the Amazon Home page test "+driver.getTitle());

Thread.*sleep*(5000);

}

@Test(groups = "smoke")

**public** **void** launchAmzProductPage() **throws** InterruptedException {

driver.get(url2);

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(10));

System.***out***.println("From the Amazon Product page test "+driver.getTitle());

Thread.*sleep*(5000);

}

@Test

**public** **void** launchAmzProductPage2() **throws** InterruptedException {

driver.get(url3);

//driver.get("https://www.amazon.in/Fujifilm-mini-99-Instax-Mini/dp/B0CWLVF7WC?ref\_=ast\_sto\_dp");

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(10));

System.***out***.println("From the Amazon Product page2 test "+driver.getTitle());

Thread.*sleep*(5000);

}

@Test(enabled = **false**)

**public** **void** searchAmzProduct(String url, String searchTerm) {

driver.get(url);

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(5));

driver.findElement(By.*cssSelector*("#twotabsearchtextbox")).sendKeys(searchTerm);

driver.findElement(By.*cssSelector*("#nav-search-submit-button")).click();

**boolean** firstWideSerachresultArea = driver.findElement(By.*xpath*("//div[@data-cel-widget='search\_result\_1']")).isDisplayed();

driver.findElement(By.*xpath*("//div[@data-cel-widget='search\_result\_1']")).click();

//driver.findElement(By.xpath("//div[@data-cel-widget='search\_result\_1']//div[contains(@class,'puis-list-col-left')]")).click();

driver.findElement(By.*xpath*("//div[@data-index='3']//div[contains(@class,'puis-list-col-left')]")).click();

System.***out***.println(firstWideSerachresultArea);

}

@DataProvider(name ="search-test-data")

**public** Object[] provideSearchData() {

**return** **new** Object[] {"iphone16", "Samsung s23", "motorolo ultraedge"};

}

@Test(dataProvider ="search-test-data", enabled=**false**)

**public** **void** searchAmzProducts(String searchTerm) {

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

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(5));

driver.findElement(By.*cssSelector*("#twotabsearchtextbox")).sendKeys(searchTerm);

driver.findElement(By.*cssSelector*("#nav-search-submit-button")).click();

**boolean** firstWideSerachresultArea = driver.findElement(By.*xpath*("//div[@data-cel-widget='search\_result\_1']")).isDisplayed();

driver.findElement(By.*xpath*("//div[@data-cel-widget='search\_result\_1']")).click();

//driver.findElement(By.xpath("//div[@data-cel-widget='search\_result\_1']//div[contains(@class,'puis-list-col-left')]")).click();

driver.findElement(By.*xpath*("//div[@data-index='3']//div[contains(@class,'puis-list-col-left')]")).click();

System.***out***.println(firstWideSerachresultArea);

}

@DataProvider(name ="search-test-url-data")

**public** Object[][] provideSearchAndUrlData() {

**return** **new** Object[][]{

{"https://www.amazon.com/","iphone 16"},

{"https://www.amazon.com/","Samsung s23"},

{"https://www.amazon.com/","motorolo ultraedge"},

{"https://www.amazon.com/","Oneplus 12"}

};

}

@Test(dataProvider ="search-test-url-data")

**public** **void** searchAmzProductsWithUrl(String url, String searchTerm) {

driver.get(url);

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(5));

driver.findElement(By.*cssSelector*("#twotabsearchtextbox")).sendKeys(searchTerm);

driver.findElement(By.*cssSelector*("#nav-search-submit-button")).click();

**boolean** firstWideSerachresultArea = driver.findElement(By.*xpath*("//div[@data-cel-widget='search\_result\_1']")).isDisplayed();

driver.findElement(By.*xpath*("//div[@data-cel-widget='search\_result\_1']")).click();

//driver.findElement(By.xpath("//div[@data-cel-widget='search\_result\_1']//div[contains(@class,'puis-list-col-left')]")).click();

driver.findElement(By.*xpath*("//div[@data-index='3']//div[contains(@class,'puis-list-col-left')]")).click();

System.***out***.println(firstWideSerachresultArea);

}

@AfterMethod

**public** **void** tearDownBrowser() {

driver.close();

}

}