**DAY21 ASSIGNMENT**

**Create testing class**

**Project URL= https://www.ebay.com/**

**1. Add pre-requisite**

**2. Create 10 testcases for**

**1.Login**

**2.Multiple searches using array list or array**

**3.Add to cart**

**4.delete from cart**

**5.Change login name**

**6. change current address**

**7.shop by categories**

**8.select particular product right click on that product image and find out description of that product.**

**9.shop by all categories and check whether this function is working fine or not**

**10. change the language of your application using setting**

**3. Create Post condition for every testcase**

Ans)

**package** TestNG\_Selenium;

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

**import** java.time.Duration;

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

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

**import** org.openqa.selenium.Keys;

**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.Select;

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

**import** org.testng.Assert;

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

**public** **class** Abay\_TestNG\_prac {

WebDriver driver;

@BeforeTest//

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

driver=**new** ChromeDriver();

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

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

Thread.*sleep*(5000);

}

@Test(priority = 1)

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

driver.findElement(By.*linkText*("Sign in")).click();

driver.findElement(By.*id*("userid")).sendKeys("nikhithadevireddy@gmail.com");

driver.findElement(By.*id*("signin-continue-btn")).click();

Thread.*sleep*(2000);

driver.findElement(By.*id*("pass")).sendKeys("Nikhitha@30");

driver.findElement(By.*id*("sgnBt")).click();

System.***out***.println("successfully login ");

}

@Test(priority = 2)

**public** **void** multisearch() {

// WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));

String[] items = {"watch","phone","headphones"};

**for** (String item : items) {

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

search.clear();

driver.findElement(By.*id*("gh-ac")).sendKeys(item);

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

driver.findElement(By.*id*("gh-ac")).clear();

System.***out***.println("Searched for: " + item);

}

}

@Test(priority = 3)

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

//WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));

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

Thread.*sleep*(2000);

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

search.sendKeys("Coach CA548 Leather 2-way Shoulder Handbag White Gold Beige Women's New");

search.submit();

Thread.*sleep*(3000);

WebElement firstProduct = driver.findElement(By.*xpath*("//\*[@id=\"item42a3e1f75f\"]/div/div[1]/div[2]/div/div/a/img"));

firstProduct.click();

Thread.*sleep*(5000);

String mainWindow = driver.getWindowHandle();

**for** (String handle : driver.getWindowHandles()) {

**if** (!handle.equals(mainWindow)) {

driver.switchTo().window(handle);

**break**;

}

}

WebElement addToCartBtn = driver.findElement(By.*id*("atcBtn\_btn\_1"));

addToCartBtn.click();

Thread.*sleep*(3000);

System.***out***.println("Product successfully added to cart!");

}

@Test(priority = 4)

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

driver.get("https://cart.ebay.com/"); // directly open cart

WebDriverWait wait = **new** WebDriverWait(driver, Duration.*ofSeconds*(15));

WebElement removeBtn = wait.until(ExpectedConditions.*elementToBeClickable*(

By.*cssSelector*("button[data-test-id='cart-remove-item']")));

removeBtn.click();

System.***out***.println("Product removed from cart");

wait.until(ExpectedConditions.*invisibilityOf*(removeBtn));

System.***out***.println("Cart is empty now");

}

//Change login name

@Test(priority=5)

**public** **void** details() **throws** InterruptedException

{

driver.findElement(By.*xpath*("//\*[@id=\"gh\"]/nav/div[1]/span[1]/div/button")).click();

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

driver.findElement(By.*cssSelector*("a[id=\"account-settings-link-PI\"]")).click();

driver.findElement(By.*id*("individual\_username\_edit\_button")).click();

Thread.*sleep*(2000);

WebElement uname=driver.findElement(By.*cssSelector*("input[id=\"user\_name\"]"));

uname.clear();

uname.sendKeys("Nikhitha30");

driver.findElement(By.*cssSelector*("button[id=\"username\_submit\_edit\_btn\"]")).click();

}

//change current address

@Test(priority=6)

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

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

driver.findElement(By.*cssSelector*("a[id=\"account-settings-link-PI\"]")).click();

driver.findElement(By.*id*("individual\_personal\_info\_address\_edit\_button")).click();

Thread.*sleep*(2000);

WebElement address=driver.findElement(By.*id*("addressLine1"));

address.clear();

address.sendKeys("Vemula");

WebElement city=driver.findElement(By.*id*("city"));

city.clear();

city.sendKeys("Mahabubnagar");

// Use Select for dropdown

Select stateDropdown = **new** Select(driver.findElement(By.*id*("stateOrProvince")));

stateDropdown.selectByVisibleText("Telangana");

WebElement pin=driver.findElement(By.*id*("postalCode"));

pin.clear();

pin.sendKeys("501905");

driver.findElement(By.*id*("address\_edit\_submit\_button")).click();

Thread.*sleep*(2000);

System.***out***.println("Address updated successfully");

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

}

@Test(priority = 7)

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

driver.findElement(By.*xpath*("//\*[@id=\"gh\"]/section/div/div/div/button/span")).click();

//Thread.sleep(2000);

driver.findElement(By.*xpath*("//\*[@id=\"s0-1-4-12-0-1-dialog\"]/div/div/div[1]/div[1]/div[2]/div/a[3]")).click();

Thread.*sleep*(2000);

driver.navigate().back();

Thread.*sleep*(2000);

driver.findElement(By.*xpath*("//\*[@id=\"gh\"]/section/div/div/div/button/span")).click();

Thread.*sleep*(2000);

driver.findElement(By.*cssSelector*("a[href\*='Jewelry-Watches']")).click();

Thread.*sleep*(2000);

driver.navigate().back();

//Thread.sleep(2000);

driver.findElement(By.*xpath*("//\*[@id=\"gh\"]/section/div/div/div/button/span")).click();

Thread.*sleep*(2000);

driver.findElement(By.*xpath*("//\*[@id=\"s0-1-4-12-0-1-dialog\"]/div/div/div[1]/div[2]/div[1]/div/a[3]")).click();

Thread.*sleep*(2000);

System.***out***.println("shop by catagory is done ");

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

}

@Test(priority = 8)

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

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

Thread.*sleep*(2000);

// Search for the product

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

searchBox.sendKeys(" realme narzo 20 pro 5g");

searchBox.submit();

Thread.*sleep*(3000);

WebElement FirstProduct = driver.findElement(By.*xpath*("//\*[@id=\"item1ab4ca4054\"]/div/div[1]/div/a/div/img"));

FirstProduct.click();

String mainWindow = driver.getWindowHandle();

**for** (String handle : driver.getWindowHandles()) {

**if** (!handle.equals(mainWindow)) {

driver.switchTo().window(handle);

**break**;

}

}

Thread.*sleep*(2000);

// Right-click the product image

WebElement productImage = driver.findElement(By.*xpath*("//\*[@id=\"PicturePanel\"]/div[1]/div/div[1]/div[1]/div[2]/div[4]/div[1]/img")); // flexible selector

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

actions.contextClick(productImage).perform();

System.***out***.println("Right-clicked on the product image");

// Get product description

WebElement productTitle = driver.findElement(By.*cssSelector*("h1 span[itemprop='name'], h1 span"));

String productDescription = productTitle.getText();

System.***out***.println("Product Description: " + productDescription);

Thread.*sleep*(2000);

}

@Test(priority = 9)

**public** **void** checkAllCategories() {

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

WebDriverWait wait = **new** WebDriverWait(driver, Duration.*ofSeconds*(10));

WebElement categoryDropdown = wait.until(

ExpectedConditions.*elementToBeClickable*(By.*id*("gh-cat")));

categoryDropdown.click();

// Select Cameras & Photo

WebElement option = wait.until(

ExpectedConditions.*elementToBeClickable*(

By.*cssSelector*("select#gh-cat > option[value='625']")));

option.click();

String selected = driver.findElement(

By.*cssSelector*("select#gh-cat > option[value='625']")).getText();

Assert.*assertEquals*(selected, "Cameras & Photo", "Category not selected properly!");

}

@Test(priority = 10)

**public** **void** ChangeLang() **throws** InterruptedException

{

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

driver.findElement(By.*cssSelector*("a[id=\"account-settings-link-PI\"]")).click();

((JavascriptExecutor) driver).executeScript("window.scrollTo(0, document.body.scrollHeight);");

Thread.*sleep*(2000);

WebElement country=driver.findElement(By.*cssSelector*("button[class=\"gf-flag\_\_button\"]"));

country.sendKeys(Keys.***ENTER***);

Thread.*sleep*(2000);

driver.findElement(By.*linkText*("India")).click();

Thread.*sleep*(2000);

}

}