

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 multiseach() {
        // 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

```

```

        unname=driver.findElement(By.cssSelector("input[id=\"user_name\"]"));

```

```

        unname.clear();

```

```

        unname.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);

    }

}

```

