

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**

Program:

```
import org.testng.annotations.Test;
import org.testng.Assert;
import org.testng.annotations.AfterTest;
import org.testng.annotations.BeforeTest;

import java.time.Duration;
import java.util.ArrayList;
import java.util.List;

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;
```

```

public class Ebay_Website {
    WebDriver driver;
    @Test(priority=1)
    public void login() throws InterruptedException {
        WebElement
login=driver.findElement(By.xpath("//*[@id=\"gh\"]/nav/div[1]/span[1]/span/a"));
        login.click();
        Thread.sleep(3000);
        WebElement name=driver.findElement(By.id("userid"));
        name.sendKeys("jayanthyelisetti@gmail.com");
        driver.findElement(By.id("signin-continue-btn")).click();
        Thread.sleep(3000);
        WebElement pass=driver.findElement(By.id("pass"));
        pass.sendKeys("Jayanth@2003");
        driver.findElement(By.id("sgnBt")).click();
        Thread.sleep(4000);
    }
}

```

```

@Test(priority=2)
public void searchmultipleitems() throws InterruptedException {
    driver.navigate().to("https://www.ebay.com/");
    List<String> sr=new ArrayList();
    sr.add("phone");
    sr.add("watch");
    sr.add("tv's");
    for(String item:sr)
    {
        WebElement search=driver.findElement(By.id("gh-
ac"));
        search.clear();
        search.sendKeys(item);
        search.sendKeys(Keys.ENTER);
        Thread.sleep(2000);
    }
}
}

```

```

@Test(priority=3)
public void addToCart() throws InterruptedException {

    driver.findElement(By.id("gh-logo")).click();
    Thread.sleep(2000);

    WebElement search = driver.findElement(By.id("gh-ac"));
    search.sendKeys("laptop hp envy x360");
    search.submit();
    Thread.sleep(3000);

    WebElement firstProduct =
driver.findElement(By.xpath("//*[@id=\"item2dfa069b9c\"]/div/div[1]/div/a/div/img"));
    firstProduct.click();
    Thread.sleep(5000);

    String mainWindow = driver.getWindowHandle();
    for (String handle : driver.getWindowHandles()) {
        if (!handle.equals(mainWindow)) {
            driver.switchTo().window(handle);
            break;
        }
    }

    //driver.get("https://cart.ebay.com/");
    //Thread.sleep(3000);

}

```

```

@Test(priority=4)
public void DeleteFromCart() {
    driver.get("https://cart.ebay.com/");
    WebDriverWait wait = new WebDriverWait(driver,
Duration.ofSeconds(20));
    WebElement removeButtons =
driver.findElements(By.cssSelector("button[data-test-id='cart-remove-item']"));
    if (!removeButtons.isEmpty()) {
        WebElement removeBtn = removeButtons.get(0);
    }
}

```

```

wait.until(ExpectedConditions.elementToBeClickable(removeBtn)).click(
);
        System.out.println(" Product removed from cart");
        wait.until(ExpectedConditions.stalenessOf(removeBtn));
        System.out.println(" Cart is empty now");
    } else {
        System.out.println(" Cart is already empty. Nothing to
remove.");
    }
}
}

```

//Change login name

@Test(priority=5)

public void details() throws InterruptedException

{

```

driver.findElement(By.xpath("//*[@id=\"gh\"]/nav/div[1]/span[1]/div/butt
on")).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("Jayanth123");

```

```

driver.findElement(By.cssSelector("button[id=\"username_submit_edit_b
tn\"]")).click();

```

}

//change current address

@Test(priority=6)

public void changeAdress() throws InterruptedException {

```

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

```

```

        driver.findElement(By.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("KPHB");
```

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

```
city.clear();
```

```
city.sendKeys("Hyderabad");
```

```
Select stateDropdown = new
```

```
Select(driver.findElement(By.id("stateOrProvince")));
```

```
stateDropdown.selectByVisibleText("Telangana");
```

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

```
pin.clear();
```

```
pin.sendKeys("500101");
```

```
driver.findElement(By.id("address_edit_submit_button")).click();
```

```
Thread.sleep(2000);
```

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

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

```
}
```

```
//shop by categories
```

```
@Test(priority=7)
```

```
public void categories() throws InterruptedException
```

```
{
```

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

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

```
Thread.sleep(2000);
```

```
// driver.findElement(By.linkText("Electronics")).click();
```

```
//Thread.sleep(3000);
```

```

        driver.findElement(By.linkText("Cell Phones, Smart Watches &
Accessories")).click();
        Thread.sleep(3000);

```

```

        // Click on "iPhone"
        driver.findElement(By.linkText("iPhone")).click();
        Thread.sleep(3000);
    }

```

```

@Test(priority=8)

```

```

    public void productRightClickAndDescription() throws
InterruptedException {
        driver.findElement(By.id("gh-logo")).click();
        Thread.sleep(2000);
        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]/di
v/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);
    }
    @Test(priority=9)
    public void CheckAllCategories() throws InterruptedException
    {
        driver.get("https://www.ebay.com/");
        driver.findElement(By.id("gh-cat")).click();
        Thread.sleep(2000);

        driver.findElement(By.cssSelector("option[value=\"15032\"]")).click();
        String selected = driver.findElement(By.cssSelector("#gh-cat
option[value='15032']")).getText();

        Assert.assertEquals(selected, "Cell Phones & Accessories",
"Category not selected properly!");
        Thread.sleep(3000);
    }
    @Test(priority=10)
    public void ChangeLang() throws InterruptedException //individual
    {
        ((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);

    }

    @BeforeTest
    public void beforeTest() throws InterruptedException {

```

```
        driver =new ChromeDriver();
        driver.get("https://www.ebay.com/");

        driver.manage().window().maximize();
        Thread.sleep(5000);
    }

    @AfterTest
    public void afterTest() {
        driver.close();
    }
}
```