///EbaySearch project

import java.util.List;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.openqa.selenium.support.ui.Select;

public class EbaySearch

{

//URL

ChromeDriver driver;

String url = "http://www.ebay.in";

public void invokeBrowser()

{

System.setProperty("webdriver.chrome.driver",

"C:\\Users\\pramoda.g\\Desktop\\EB\\Automation\\Chrome\_driver\\chromedriver.exe");

driver = new ChromeDriver();

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

driver.manage().deleteAllCookies();

driver.manage().timeouts().pageLoadTimeout(90, TimeUnit.SECONDS);

driver.manage().timeouts().implicitlyWait(6, TimeUnit.SECONDS);

driver.get(url);

}

//Search products

public void searchProduct(String product, String category)

{

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

WebElement dropdown = driver.findElement(By.id("gh-cat"));

Select selectCategory = new Select(dropdown);

selectCategory.selectByVisibleText(category);

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

String result = driver.findElement(By.className("listingscnt")).getText();

System.out.println("Result :: "+ result);

}

//find the 10th product ex

public void getNthProduct(int itemNumber)

{

String productXpath = String.format("//div[@id='ResultSetItems']/ul[@id='ListViewInner']/li[%d]", itemNumber);

String nthProduct = driver.findElement(By.xpath(productXpath)).getText();

System.out.println("Nth Product :: "+ nthProduct);

}

//dispaly products

public void getAllProducts()

{

List<WebElement> allProduct = driver.findElements(By.xpath("//div[@id='ResultSetItems']/ul[@id='ListViewInner']/li"));

for(WebElement product: allProduct){

System.out.println(product.getText());

System.out.println("-----------------------------------------");

}

}

//select apple iphone and scroll down

public void getAllProductsViaScrollDown()

{

List<WebElement> allProduct = driver.findElements(By.xpath("//div[@id='ResultSetItems']/ul[@id='ListViewInner']/li"));

Actions action = new Actions(driver);

for(WebElement product: allProduct){

action.moveToElement(product).build().perform();

System.out.println(product.getText());

System.out.println("-----------------------------------------");

}

}

public void getAllProductsViaScrollDownViaJS()

{

List<WebElement> allProduct = driver.findElements(By.xpath("//div[@id='ResultSetItems']/ul[@id='ListViewInner']/li"));

for(WebElement product: allProduct)

{

int x, y;

x = product.getLocation().x;

y = product.getLocation().y;

scrollDown(x, y);

System.out.println(product.getText());

System.out.println("-----------------------------------------");

}

}

private void scrollDown(int x, int y)

{

JavascriptExecutor jsEngine;

String jsCommand = String.format("window.scrollBy(%d,%d)", x,y);

jsEngine = (JavascriptExecutor) driver;

jsEngine.executeScript(jsCommand);

}

}