**PHASE\_END\_PROJECT**

**Aim:**

To automate functionalities on the Amazon website using Selenium WebDriver with Java

**Steps:**

1. Navigate to the Amazon homepage (https://amazon.in/)
2. Open the browser and locate web elements using Locators.
3. Write an automation script using the page object model class to store a web page's elements.
4. Verify that the user has signed in to the homepage.
5. Verify the page’s ability to scroll.
6. Search for a product, say, “iPhone 13” under the “Mobile” category.
7. Check that filters are being used while looking for a product.
8. Verify that the products have been chosen and put on the wishlist.
9. Check to see whether a Confirmation box appears.

**SOURCE CODE FOR SIGN\_IN\_PAGE:**

package in.amazon.project.lesson1;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

public class TestSighninpage {

public static void main(String[] args) throws InterruptedException {

// TODO Auto-generated method stub

WebDriver driver = new ChromeDriver();

driver.manage().deleteAllCookies();

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

// wait for 2 seconds the page to Load

driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));

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

// locating the dropdown that has sign in button -> signin - accounts and lists

WebElement e1 = driver.findElement(By.xpath("//\*[@class='nav-line-2 ']"));

Actions a = new Actions(driver);

a.moveToElement(e1).perform();

Thread.sleep(3000);

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

// Inspect the Email and continue button on sign page

Thread.sleep(3000);

driver.findElement(By.id("ap\_email")).sendKeys("hinduja207@gmail.com");

driver.findElement(By.xpath("//input[@id='continue']")).click();

// inspect password input box and click on sign button

driver.findElement(By.id("ap\_password")).sendKeys("hinduja207@hmail.com");

driver.findElement(By.id("signInSubmit")).click();

// fetch the error text

String text = driver.findElement(By.xpath("//div[@class='a-box-inner a-alert-container']/descendant::span")).getText();

System.out.println("Error test is >> " + text);

driver.close();

}

}

**SOURCE\_CODE FOR \_SEARCH \_PRODUCT:**

package in.amazon.project.lesson1;

import java.util.ArrayList;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class TestSearchMobilePage {

public static void main(String[] args) throws InterruptedException {

// TODO Auto-generated method stub

WebDriver driver = new ChromeDriver();

driver.manage().deleteAllCookies();

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

// wait for 2 seconds the page to Load

//driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));

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

// Inspect the search box and enter the input as iPhone 13

driver.findElement(By.id("twotabsearchtextbox")).sendKeys("iphone 13");

driver.findElement(By.id("twotabsearchtextbox")).submit();

Thread.sleep(1500);

driver.findElement(By.xpath("(//div[@class='a-section'])[2]/descendant::span[11]")).click();

ArrayList<String> tabs = new ArrayList<String>(driver.getWindowHandles());

driver.switchTo().window(tabs.get(1));

Thread.sleep(1500);

driver.findElement(By.id("wishlistButtonStack")).click();

driver.quit();

}}

**SOURCE\_CODE FOR \_MOBILE \_PAGE:**

package in.amazon.project.lesson1;

import java.time.Duration;

import java.util.ArrayList;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

public class MobilePage {

public static void main(String[] args) throws InterruptedException {

// TODO Auto-generated method stub

WebDriver driver = new ChromeDriver();

driver.manage().deleteAllCookies();

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

// wait for 2 seconds the page to Load

//driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));

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

// click on the link Mobiles:

Thread.sleep(1500);

driver.findElement(By.linkText("Mobiles")).click();

// Move the mouse to the element

WebElement mobile = driver.findElement(By.xpath("//\*[@id='nav-subnav']/descendant::span[2]"));

Actions a = new Actions(driver);

a.moveToElement(mobile).build().perform();

Thread.sleep(3000);

// click on the mobile brand Apple

driver.findElement(By.linkText("Apple")).click();

// Click on apple phone link

driver.findElement(By.xpath("(//div[@class='sg-col-inner'])[6]/descendant::span[9]")).click();

// switch to the new tab window

ArrayList<String> tabs = new ArrayList<String>(driver.getWindowHandles());

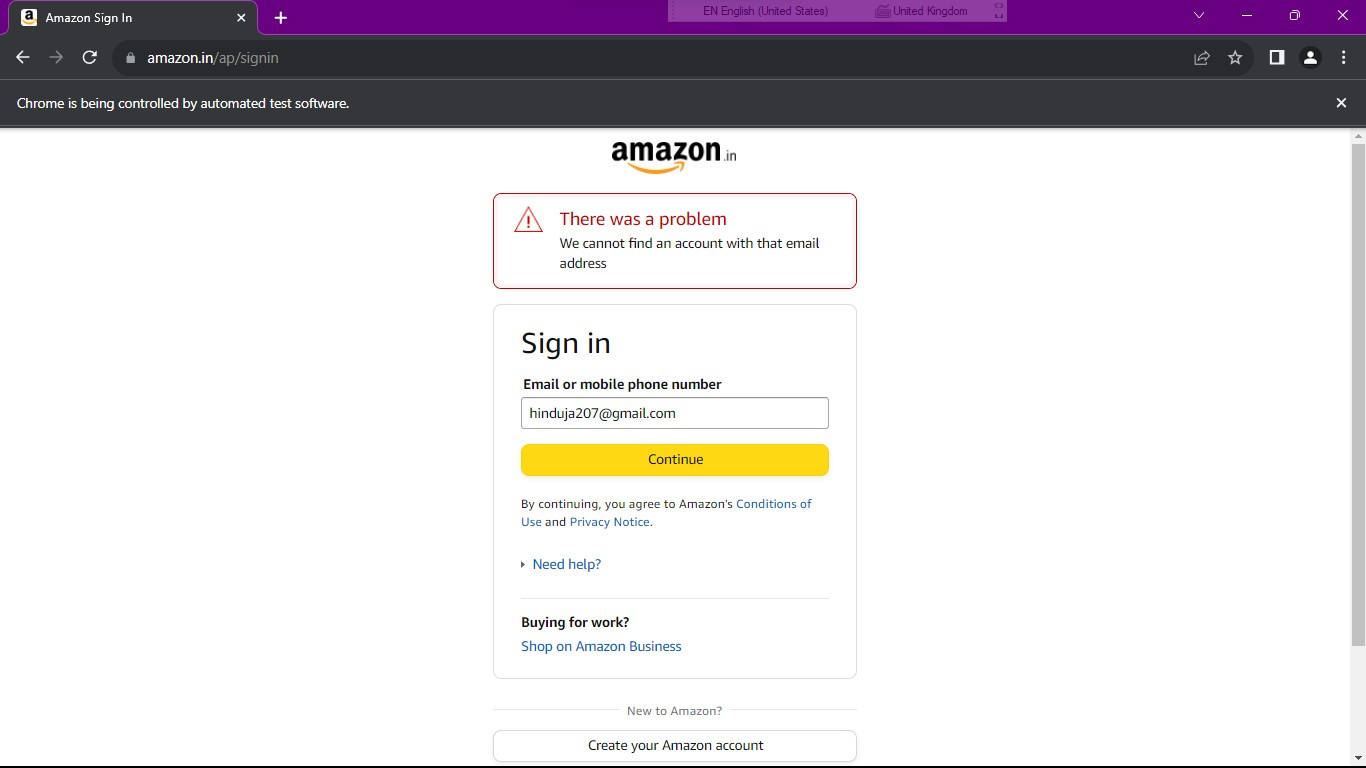
driver.switchTo().window(tabs.get(1));

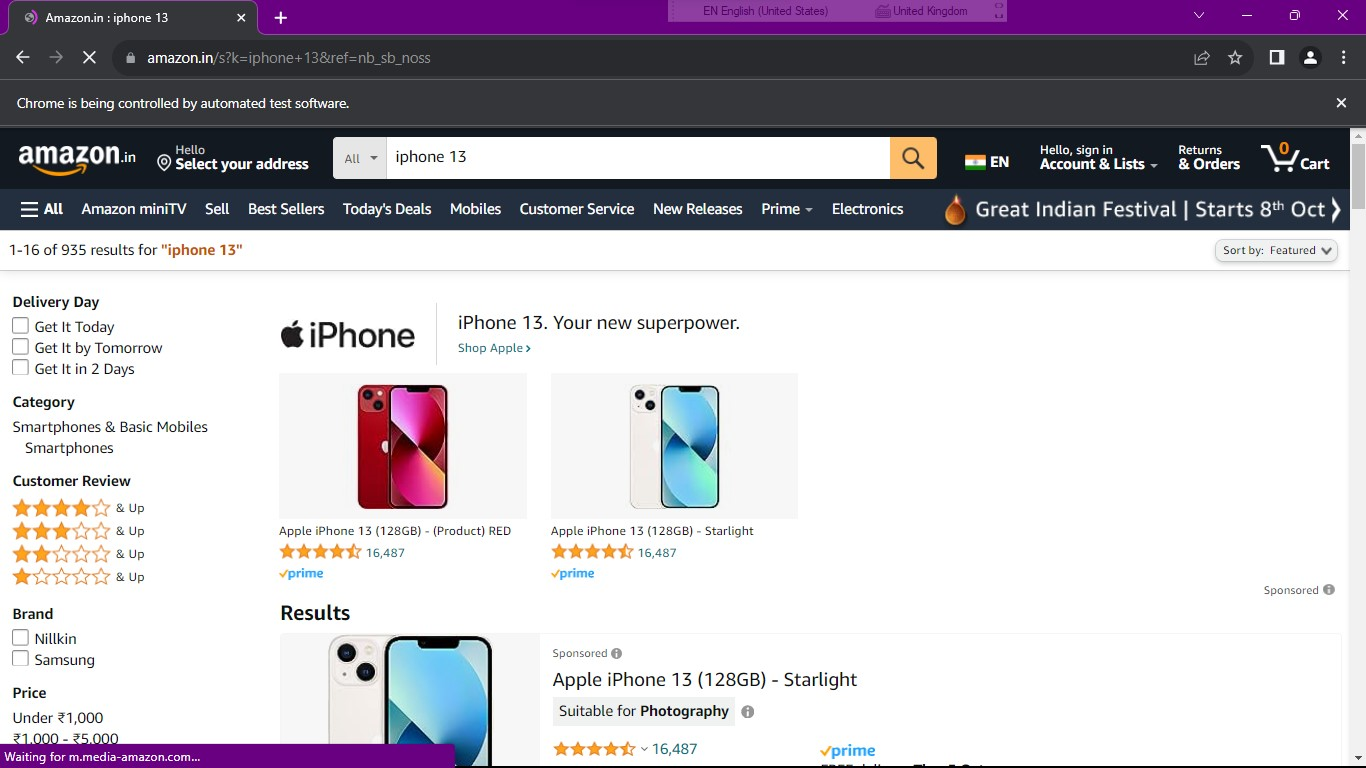
Thread.sleep(1500);

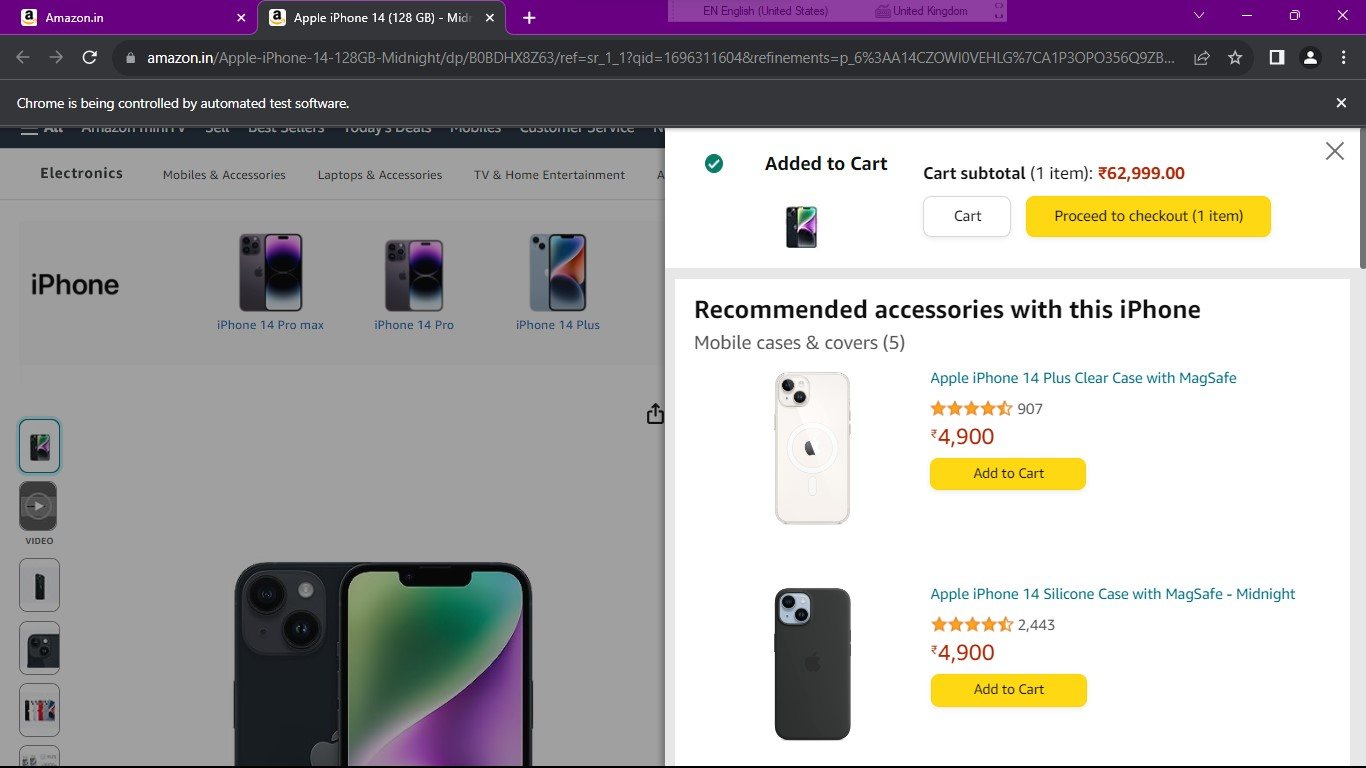
driver.findElement(By.id("add-to-cart-button")).click();

}

}

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