**Amazon application using Selenium Webdriver**

**(Source Code)**

**Class TestSearchPage**

package phaseEndProject;

import java.io.File;

import java.io.IOException;

import java.util.ArrayList;

import org.apache.commons.io.FileUtils;

import org.openqa.selenium.By;

import org.openqa.selenium.OutputType;

import org.openqa.selenium.TakesScreenshot;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class TestSearchPage {

public static WebDriver driver;

public static void takescreenshot\_method(String filepath) throws IOException

{

File srcFile = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

File destFile = new File(filepath);

FileUtils.copyFile(srcFile, destFile);

}

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

// TODO Auto-generated method stub

driver = new ChromeDriver();

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

driver.manage().deleteAllCookies();

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

Thread.sleep(1500);

// Create Page object repository--list of object that has to tested on this page

WebElement searchbox = driver.findElement(By.id("twotabsearchtextbox"));

WebElement searchbutton = driver.findElement(By.id("nav-search-submit-button"));

// Action Methods

searchbox.sendKeys("iphone 13");

searchbutton.submit();

takescreenshot\_method("./Screenshot/amazonsearch1.png");

Thread.sleep(3000);

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

mobilelink.click();

takescreenshot\_method("./Screenshot/amazonsearch2.png");

// new tab will open. handle the windows

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

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

Thread.sleep(1500);

WebElement wishlist = driver.findElement(By.id("wishListMainButton"));

wishlist.click();

driver.quit();

}

}

**Class TestMobilePage**

package phaseEndProject;

import java.io.File;

import java.io.IOException;

import java.util.ArrayList;

import org.apache.commons.io.FileUtils;

import org.openqa.selenium.By;

import org.openqa.selenium.OutputType;

import org.openqa.selenium.TakesScreenshot;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

public class TestMobilePage {

public static WebDriver driver;

public static void takescreenshot\_method(String filepath) throws IOException

{

File srcFile = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

File destFile = new File(filepath);

FileUtils.copyFile(srcFile, destFile);

}

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

// TODO Auto-generated method stub

driver = new ChromeDriver();

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

driver.manage().deleteAllCookies();

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

Thread.sleep(2000);

WebElement mobilelink = driver.findElement(By.linkText("Mobiles"));

String text = mobilelink.getText();

System.out.println(text);

mobilelink.click();

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

Actions a = new Actions(driver);

a.moveToElement(mobile).perform();

Thread.sleep(2000);

takescreenshot\_method("./Screenshot/mobile1.png");

WebElement apple\_link = driver.findElement(By.linkText("Apple"));

text = apple\_link.getText();

System.out.println(text);

apple\_link.click();

Thread.sleep(2000);

WebElement link2 = driver.findElement(By.xpath("(//div[@class='sg-col-inner'])[6]/descendant::span[9]"));

text = link2.getText();

System.out.println(text);

link2.click();

takescreenshot\_method("./Screenshot/mobile2.png");

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

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

Thread.sleep(1500);

WebElement addtoCart = driver.findElement(By.id("add-to-cart-button"));

addtoCart.click();

takescreenshot\_method("./Screenshot/mobile3.png");

driver.quit();

}

}

Class TestSignInPage

**package** phaseEndProject;

**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** TestSignInPage {

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

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/");

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();

Thread.*sleep*(3000);

driver.findElement(By.*id*("ap\_email")).sendKeys("mittal.sonal04@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("password@123");

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();

}

}

**Class SeleniumJDBCTrasaction**

package phaseEndProject;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

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 SeleniumJDBCTrasaction {

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

// TODO Auto-generated method stub

WebDriver driver = new ChromeDriver();

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

driver.manage().deleteAllCookies();

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

String title = driver.getTitle();

Thread.sleep(2000);

WebElement mobilelink = driver.findElement(By.linkText("Mobiles"));

mobilelink.click();

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

Actions a = new Actions(driver);

a.moveToElement(mobile).perform();

Thread.sleep(2000);

WebElement apple\_link = driver.findElement(By.linkText("Apple"));

String text = apple\_link.getText();

apple\_link.click();

String dburl = "jdbc:mysql://localhost:3306/seleniumtest";

String username = "root";

String password = "Samyak@123";

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.getConnection(dburl, username, password);

PreparedStatement ps = con.prepareStatement("insert into endproject values(?,?,?)");

ps.setString(1, title);

ps.setString(2, text);

ps.setString(3, "Yes");

ps.executeUpdate();

}

}