

Source code :

```
1. 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();
    }
}
```

```
2. 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();
    }
}

```

3. 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 TestSignInPage {
    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("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();
    }
}

```

4.

```

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 = "root";
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();
}
}
```