To Backup Created Packages and Test Them for Stock Management Application.

Description

Develop a stock management application that helps to search the product in the database and show inventory as well
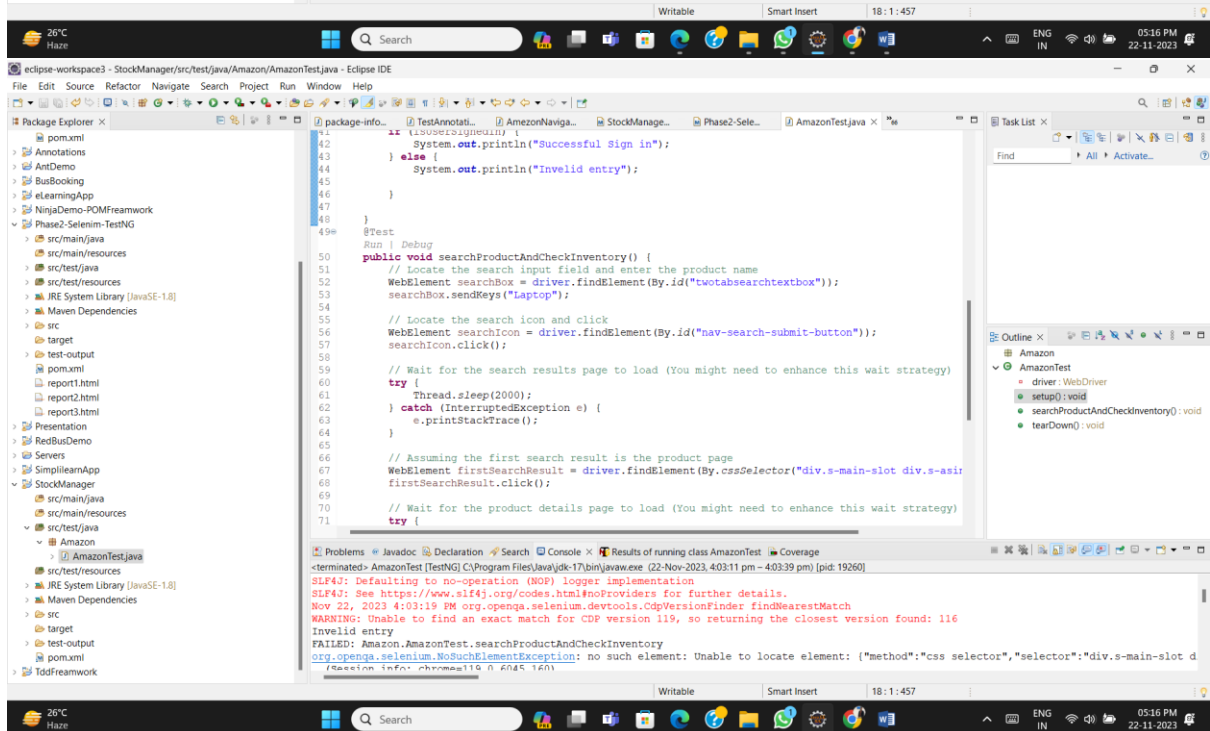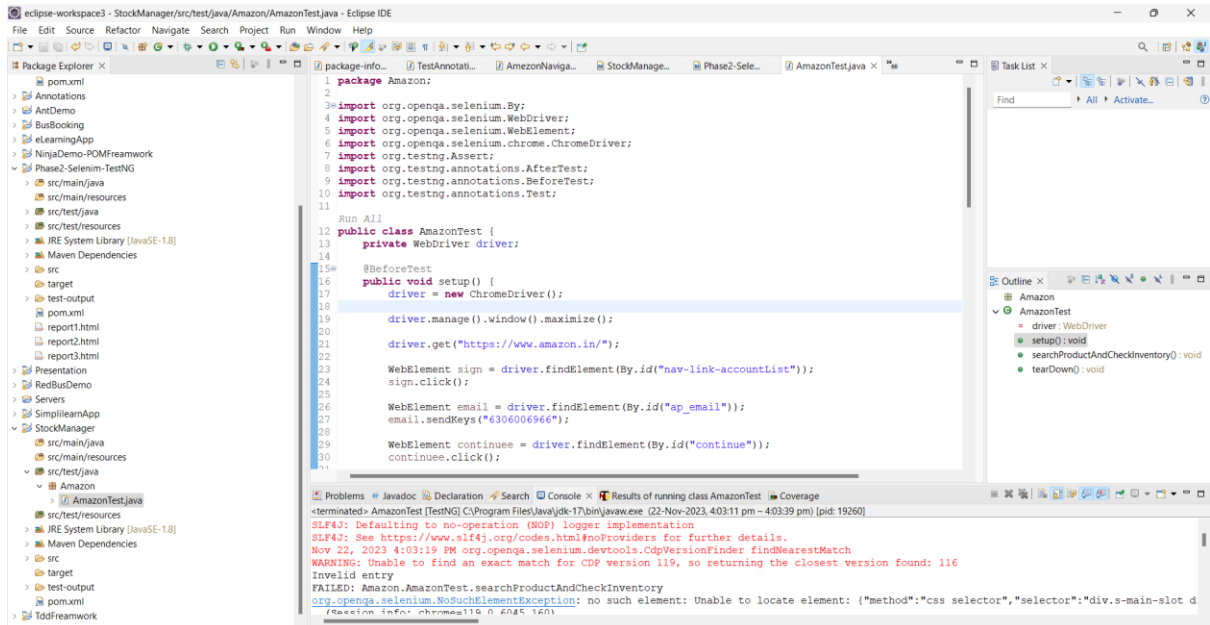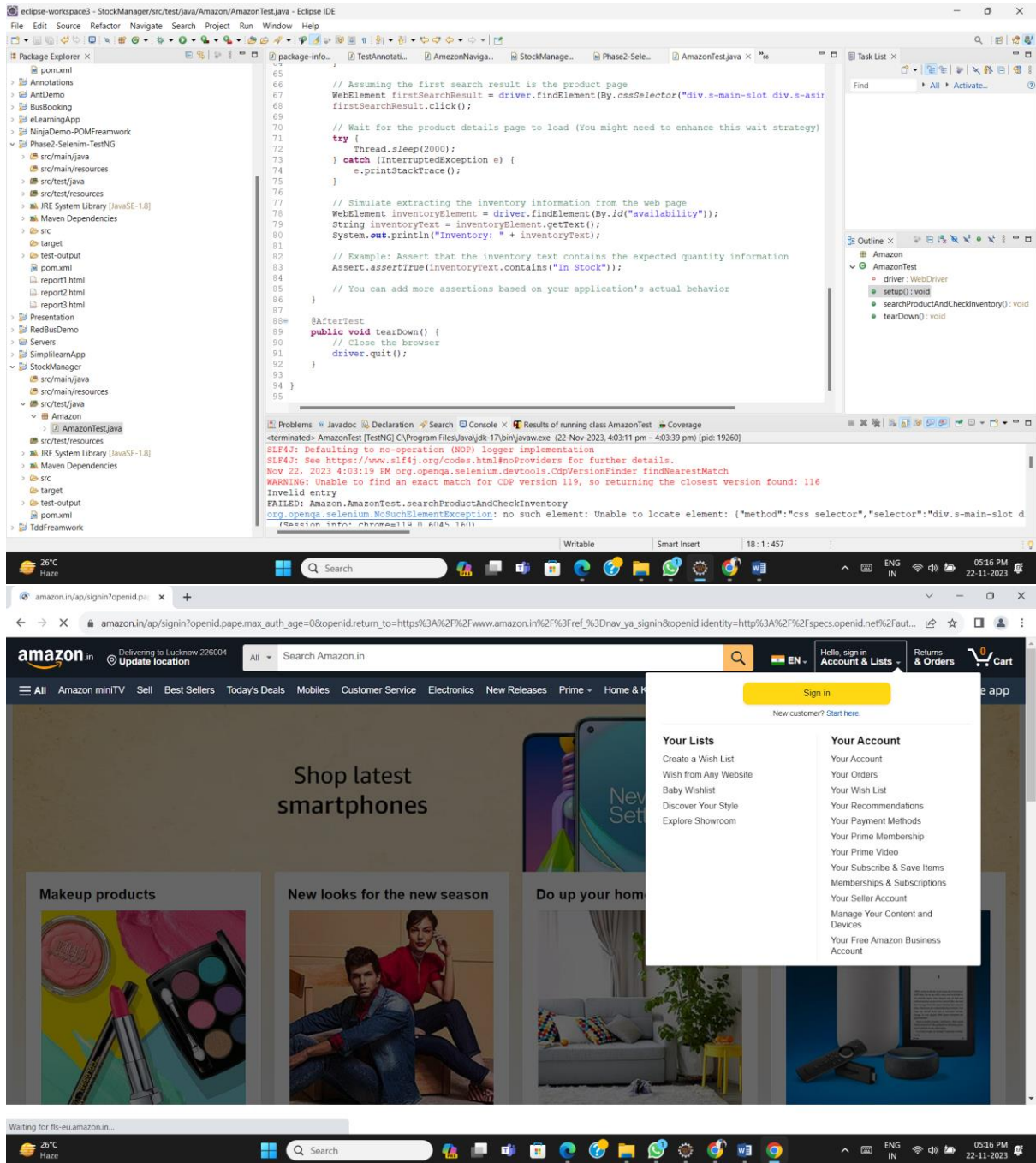
Background of the problem statement:

The E-commerce application shows the list of similar products available in stock. By checking the product details, it will search for that product in the database and displays the number of products available in the store.
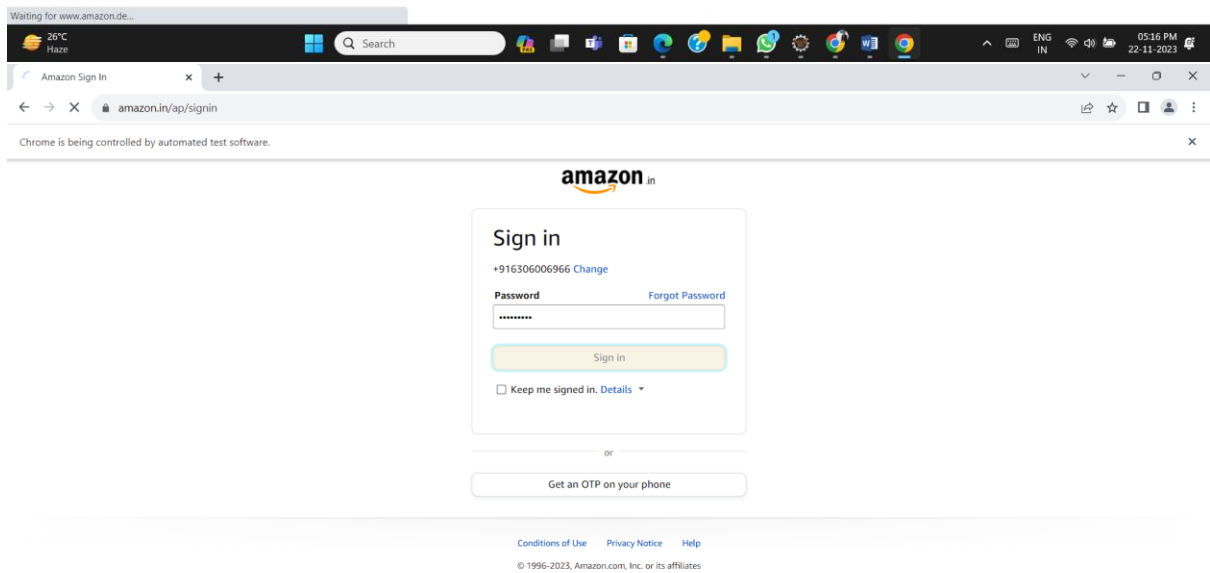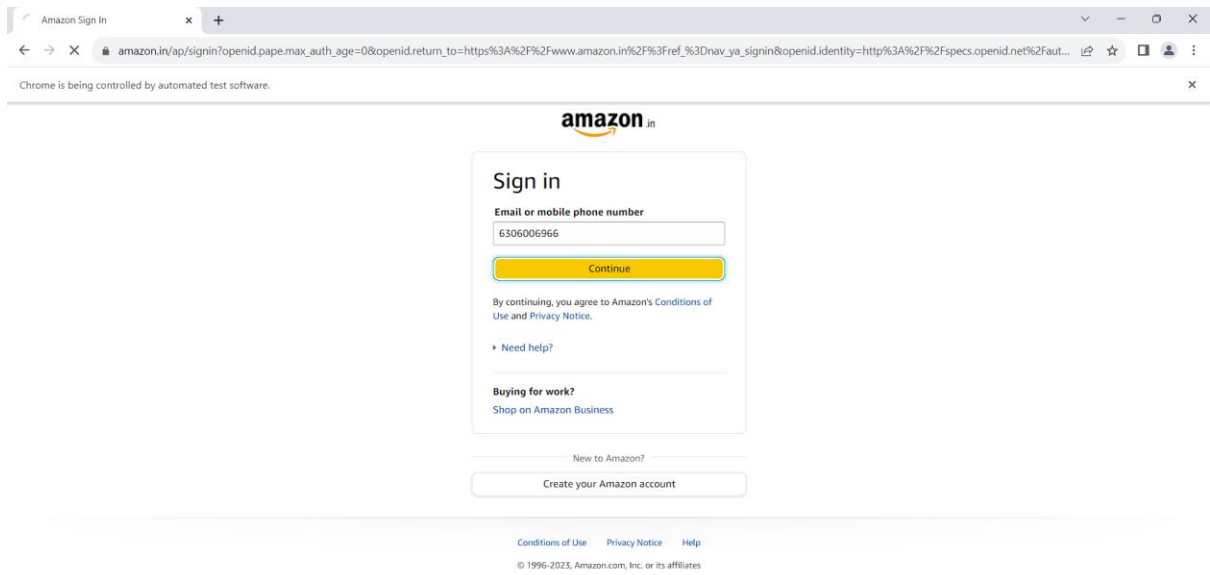
You must use the following:

- Eclipse IDE
- Jenkins server
- JFrog artifactory
- Selenium webdriver plugin

Screenshot:

Package Explorer

- pom.xml
- Annotations
- AntDemo
- BusBooking
- eLearningApp
- NinjaDemo-POMFreamwork
- Phase2-Selenim-TestNG
  - src/main/java
  - src/main/resources
  - src/test/java
  - src/test/resources
  - JRE System Library [JavaSE-1.8]
  - Maven Dependencies
  - src
  - target
  - test-output
  - pom.xml
  - report1.html
  - report2.html
  - report3.html
- Presentation
- RedBusDemo
- Servers
- SimplilearnApp
- StockManager
  - src/main/java
  - src/main/resources
  - src/test/java
    - Amazon
      - AmazonTest.java
  - src/test/resources
  - JRE System Library [JavaSE-1.8]
  - Maven Dependencies
  - src
  - target
  - test-output
  - pom.xml
- TddFreamwork

```java
1  package Amazon;
2
3  import org.openqa.selenium.By;
4  import org.openqa.selenium.WebDriver;
5  import org.openqa.selenium.WebElement;
6  import org.openqa.selenium.chrome.ChromeDriver;
7  import org.testng.Assert;
8  import org.testng.annotations.AfterTest;
9  import org.testng.annotations.BeforeTest;
10 import org.testng.annotations.Test;
11
   Run All
12 public class AmazonTest {
13     private WebDriver driver;
14
15     @BeforeTest
16     public void setup() {
17         driver = new ChromeDriver();
18
19         driver.manage().window().maximize();
20
21         driver.get("https://www.amazon.in/");
22
23         WebElement sign = driver.findElement(By.id("nav-link-accountList"));
24         sign.click();
25
26         WebElement email = driver.findElement(By.id("ap_email"));
27         email.sendKeys("6306006966");
28
29         WebElement continue = driver.findElement(By.id("continue"));
30         continue.click();
```

Problems Javadoc Declaration Search Console Results of running class AmazonTest Coverage

```
<terminated> AmazonTest [TestNG] C:\Program Files\Java\jdk-17\bin\javaw.exe (22-Nov-2023, 4:03:11 pm – 4:03:39 pm) [pid: 19260]
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Nov 22, 2023 4:03:19 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 119, so returning the closest version found: 116
Invalid entry
FAILED: Amazon.AmazonTest.searchProductAndCheckInventory
org.openqa.selenium.NoSuchElementException: no such element: Unable to locate element: {"method":"css selector","selector":"div.s-main-slot d
(Session info: chrome=119.0.6045.160)
```

Outline

- Amazon
- AmazonTest
  - driver : WebDriver
  - setup() : void
  - searchProductAndCheckInventory() : void
  - tearDown() : void

```java
41         if (isUserSignedIn) {
42             System.out.println("Successful Sign in");
43         } else {
44             System.out.println("Invalid entry");
45
46         }
47
48     }
49     @Test
   Run | Debug
50     public void searchProductAndCheckInventory() {
51         // Locate the search input field and enter the product name
52         WebElement searchBox = driver.findElement(By.id("twotabsearchtextbox"));
53         searchBox.sendKeys("Laptop");
54
55         // Locate the search icon and click
56         WebElement searchIcon = driver.findElement(By.id("nav-search-submit-button"));
57         searchIcon.click();
58
59         // Wait for the search results page to load (You might need to enhance this wait strategy)
60         try {
61             Thread.sleep(2000);
62         } catch (InterruptedException e) {
63             e.printStackTrace();
64         }
65
66         // Assuming the first search result is the product page
67         WebElement firstSearchResult = driver.findElement(By.cssSelector("div.s-main-slot div.s-asi
68         firstSearchResult.click();
69
70         // Wait for the product details page to load (You might need to enhance this wait strategy)
71         try {
```

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File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer ×

pom.xml
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package-info... TestAnnotati... AmezonNaviga... StockManage... Phase2-Sele... AmazonTest.java ×

```java
65
66         // Assuming the first search result is the product page
67         WebElement firstSearchResult = driver.findElement(By.cssSelector("div.s-main-slot div.s-asir
68         firstSearchResult.click();
69
70         // Wait for the product details page to load (You might need to enhance this wait strategy)
71         try {
72             Thread.sleep(2000);
73         } catch (InterruptedException e) {
74             e.printStackTrace();
75         }
76
77         // Simulate extracting the inventory information from the web page
78         WebElement inventoryElement = driver.findElement(By.id("availability"));
79         String inventoryText = inventoryElement.getText();
80         System.out.println("Inventory: " + inventoryText);
81
82         // Example: Assert that the inventory text contains the expected quantity information
83         Assert.assertTrue(inventoryText.contains("In Stock"));
84
85         // You can add more assertions based on your application's actual behavior
86     }
87
88     @AfterTest
89     public void tearDown() {
90         // Close the browser
91         driver.quit();
92     }
93
94 }
95
```

Task List ×
Find   All Activate...

Outline ×
Amazon
AmazonTest
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  searchProductAndCheckInventory() : void
  tearDown() : void

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Explore Showroom

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Your Orders
Your Wish List
Your Recommendations
Your Payment Methods
Your Prime Membership
Your Prime Video
Your Subscribe & Save Items
Memberships & Subscriptions
Your Seller Account
Manage Your Content and Devices
Your Free Amazon Business Account

Shop latest
smartphones

Makeup products

New looks for the new season

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-07eeae8f8f9820dd6&osUser=ec2-user&region=us-east-1&sshPort=22#/

aws   Services   Q Search   [Alt+S]   N. Virginia ▼   Corestack_Role/gaurav.mall_mphasis @ 3174-6234-7664 ▼

EC2

Package	Arch	Version	Repository	Size
Installing:				
jenkins	noarch	2.426.1-1.1	jenkins	85 M

Transaction Summary

Install 1 Package

Total download size: 85 M
Installed size: 85 M
Downloading packages:
jenkins-2.426.1-1.1.noarch.rpm | 85 MB 00:00:24
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : jenkins-2.426.1-1.1.noarch   1/1
  Verifying : jenkins-2.426.1-1.1.noarch   1/1

Installed:
  jenkins.noarch 0:2.426.1-1.1

Complete!
[root@ip-172-31-16-35 ~]# systemctl start jenkins
[root@ip-172-31-16-35 ~]#

i-07eeae8f8f9820dd6 (MyAppDemo)   ✕
PublicIPs: 52.87.174.117   PrivateIPs: 172.31.16.35

CloudShell   Feedback   © 2023, Amazon Web Services, Inc. or its affiliates.   Privacy   Terms   Cookie preferences

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← → C   ⚠ Not secure | 52.87.174.117:8080/login?from=%2F

Getting Started

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

/var/lib/jenkins/secrets/initialAdminPassword

Please copy the password from either location and paste it below.

Administrator password

[   ]

Continue

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