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
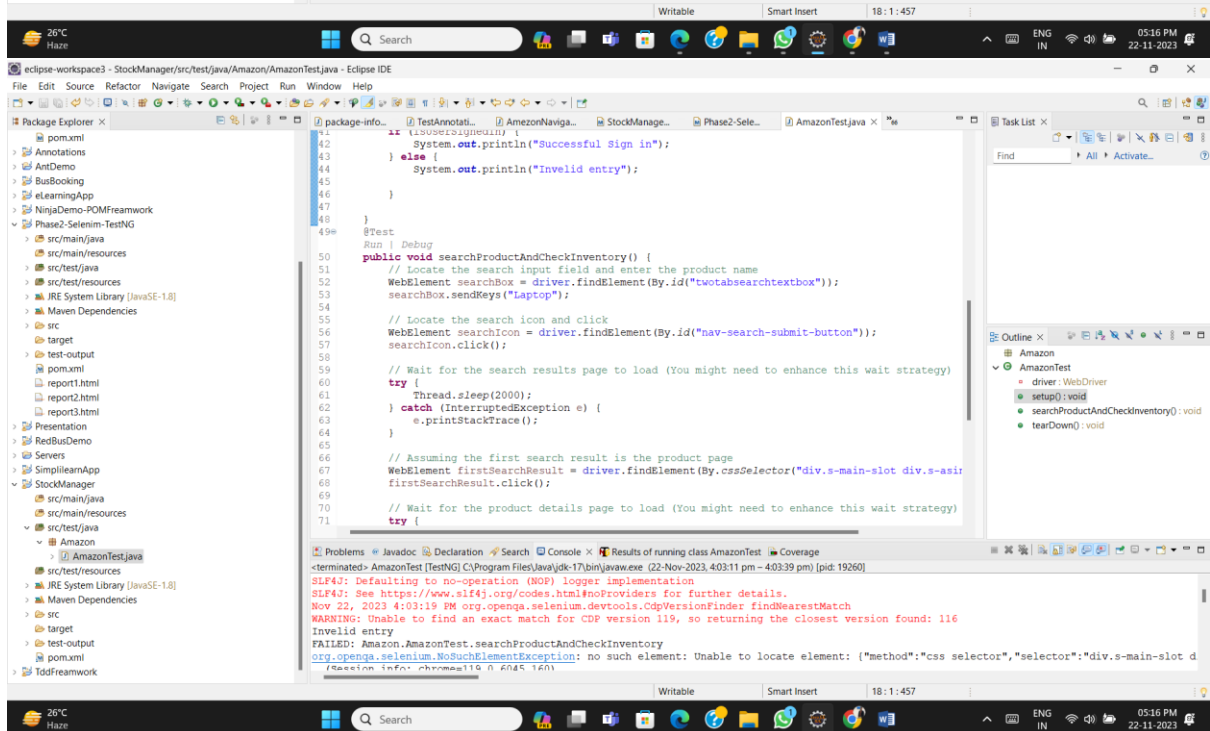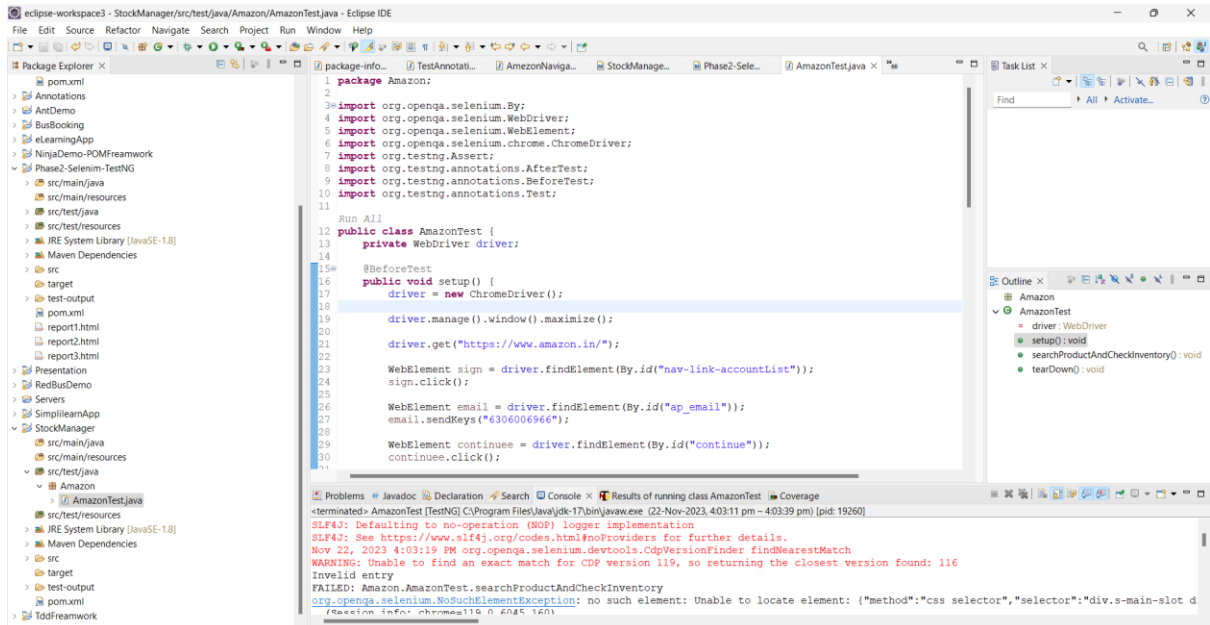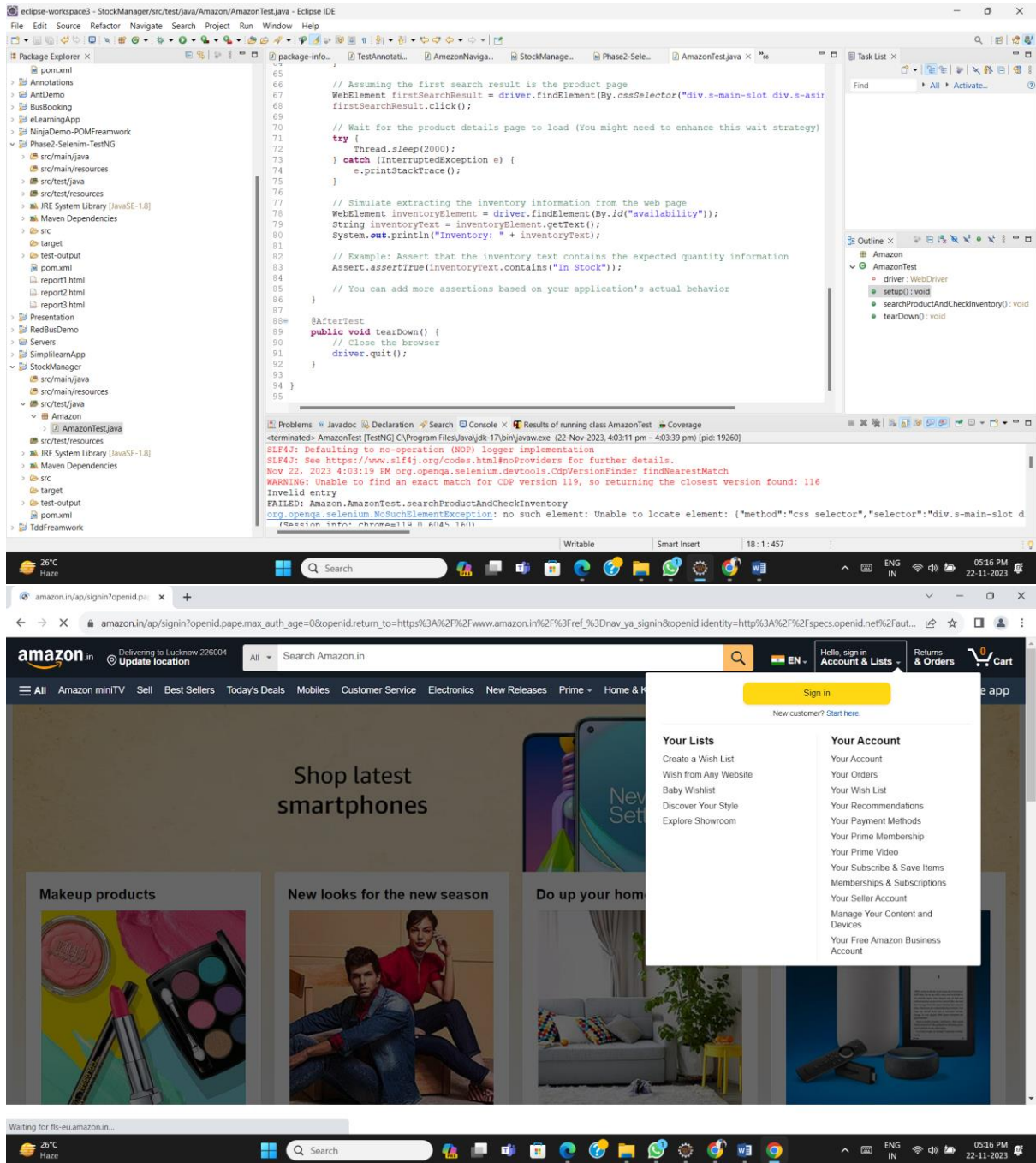
Background of the problem statement:

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.
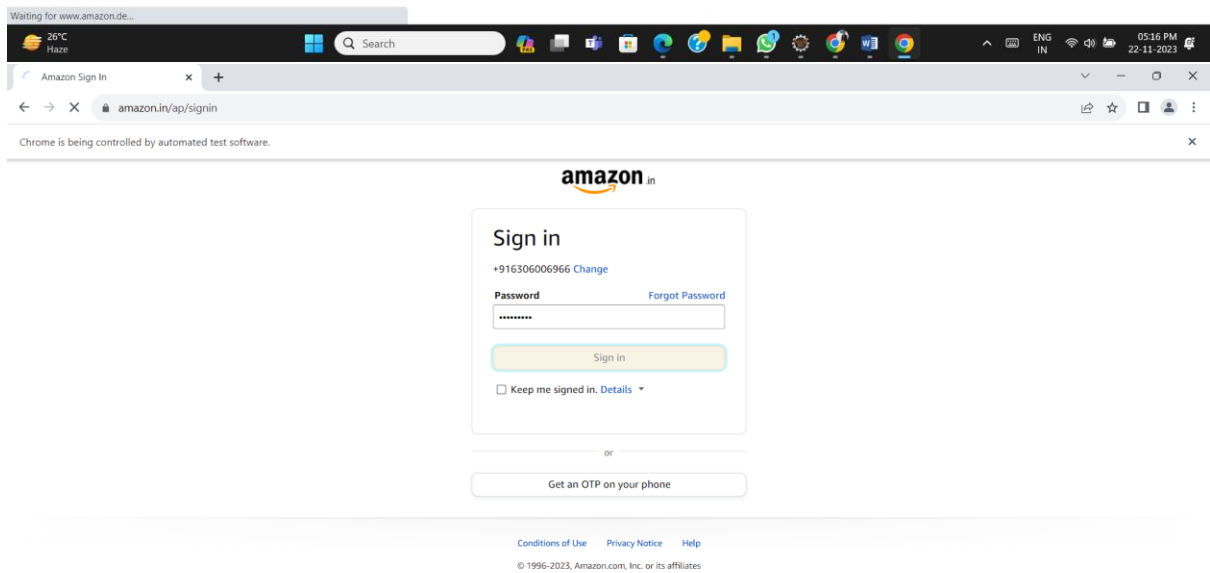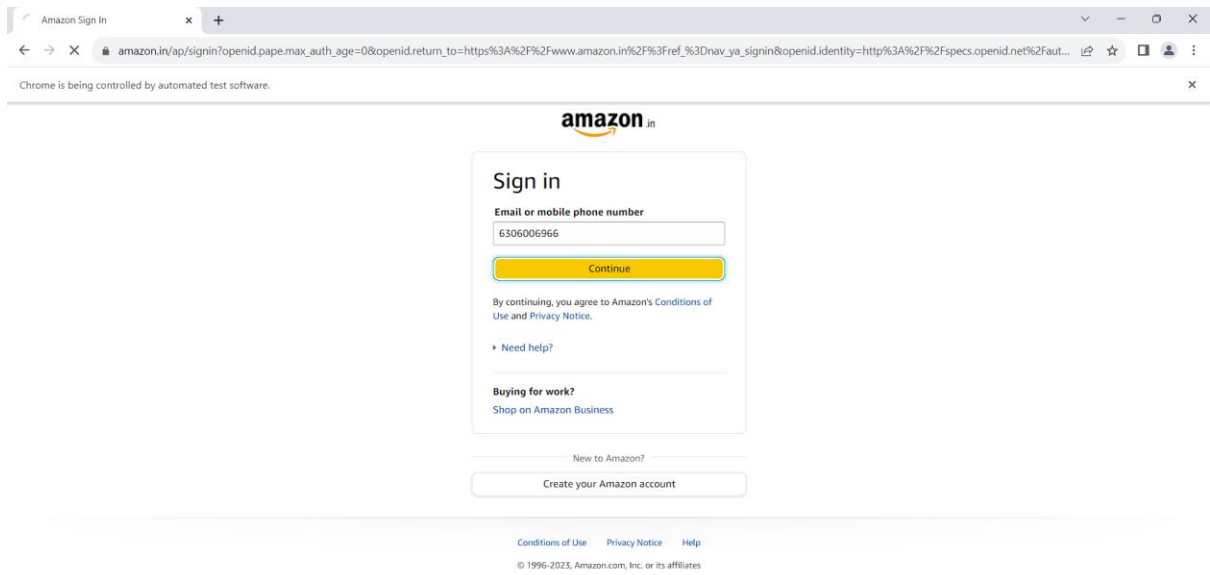
You must use the following:

- 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();
```

Outline

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

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
Invelid 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)
```

```java
41     if (isUserSignedIn) {
42         System.out.println("Successful Sign in");
43     } else {
44         System.out.println("Invelid 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 {
```

Problems Javadoc Declaration Search Console Results of running class AmazonTest Coverage

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(Session info: chrome=119.0.6045.160)
```

Package Explorer
Task List

```
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 {
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
```

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]
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```

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

Writable   Smart Insert   18 : 1 : 457

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amazon.in/ap/signin?openid.pa

amazon.in/ap/signin?openid.pape.max_auth_age=0&openid.return_to=https%3A%2F%2Fwww.amazon.in%2F%3Fref_%3Dnav_ya_signin&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth...

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★★★☆☆ & Up
★★☆☆☆ & Up
★☆☆☆☆ & Up

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☐ Acer
☐ Dell
☐ Lenovo
☐ MSI
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Instances (1) Info

Find Instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
	MyAppDemo	i-07eeae8f8f9820dd6	⊘ Running	t2.micro	⊘ Initializing	No alarms +	us-east-1b	ec2-52-87-174-1

Select an instance

Amazon Linux 2

AL2 End of Life is 2025-06-30.

A newer version of Amazon Linux is available!

Amazon Linux 2023, GA and supported until 2028-03-15.
    https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-172-31-16-35 ~]$

i-07eeae8f8f9820dd6 (MyAppDemo)

PublicIPs: 52.87.174.117   PrivateIPs: 172.31.16.35

```
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

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.

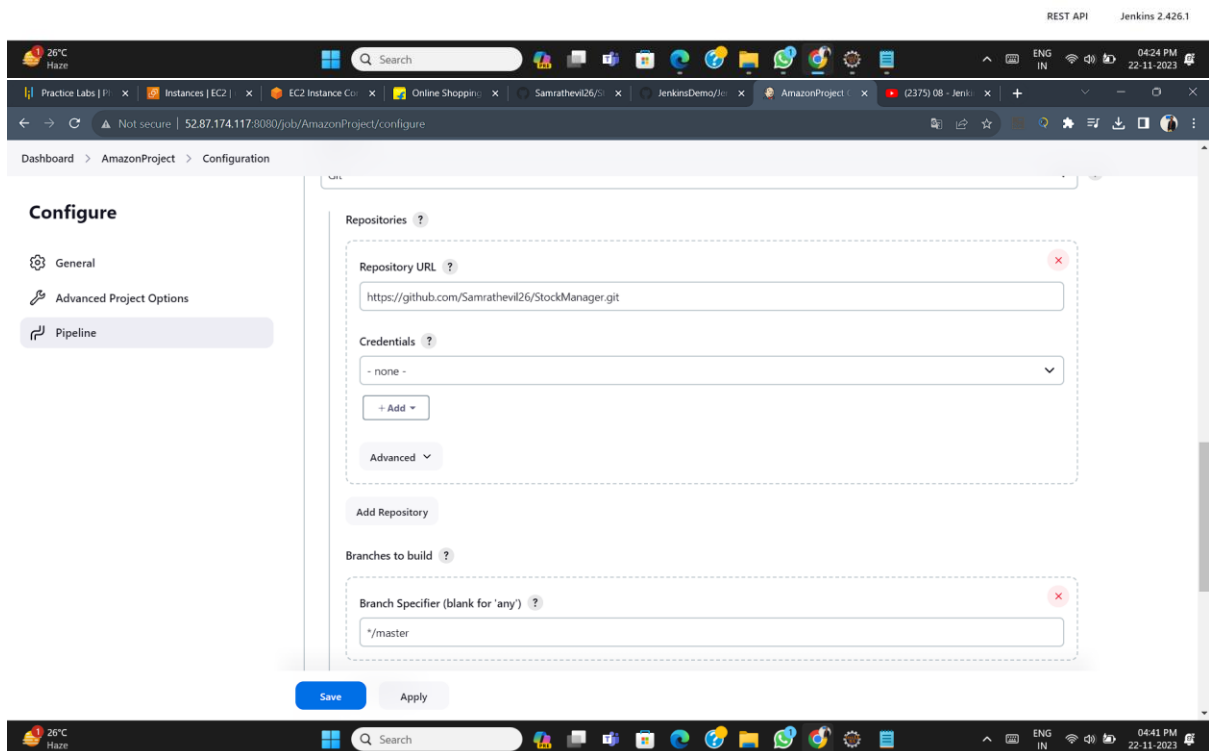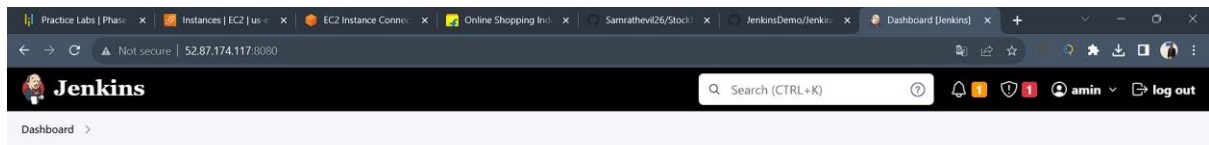**Administrator password**

Continue

Practice Labs | Phase × | Instances | EC2 | us-e × | EC2 Instance Connect × | Online Shopping Ind × | Samrathevil26/Stock × | JenkinsDemo/Jenkins × | Dashboard [Jenkins] × | +

▲ Not secure | 52.87.174.117:8080

Jenkins

Search (CTRL+K)

amin | log out

Dashboard >

+ New Item

People

Build History

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Add description

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

Create a job   +

Set up a distributed build

Set up an agent

Configure a cloud

Learn more about distributed builds

REST API   Jenkins 2.426.1

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▲ Not secure | 52.87.174.117:8080/job/AmazonProject/configure

Dashboard > AmazonProject > Configuration

Configure

⚙ General

🔧 Advanced Project Options

Pipeline

Git

Repositories ?

Repository URL ?   ✕

https://github.com/Samrathevil26/StockManager.git

Credentials ?

- none -   ⌄

+ Add ⌄

Advanced ⌄

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?   ✕

*/master

Save   Apply

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