Phase-2 Practice Project-TestNG

Repository:

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

Source Code:

Class: Seleniumtest1

```
package seleniumjenkins;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;

public class Seleniumtest1 {

        @Test
        public void method1() throws InterruptedException
        {


                WebDriver driver = new ChromeDriver();

                // Maximize the browser window
```

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

            //1. Open the url on the browser

            driver.get("https://mail.rediff.com/cgi-bin/login.cgi");

            driver.findElement(By.xpath("//div[@class='floatL
leftwidth']/descendant::input[3]")).click();

            Thread.sleep(3000);

            //Switch from current window to Alert box

            // Alert is a class in selenium, responsible to handle alert box element

            Alert a= driver.switchTo().alert();

            System.out.println(       a.getText());

            Thread.sleep(2000);

            a.accept();  // click on ok or Yes

            //a.dismiss();  // click on NO, cancel button on the alert box

        driver.findElement(By.xpath("//div[@class=\"table\"]/descendant::input[1]")).clear();

        driver.findElement(By.xpath("//div[@class=\"table\"]/descendant::input[1]")).sendKeys("jos
h");


        }

    }
```
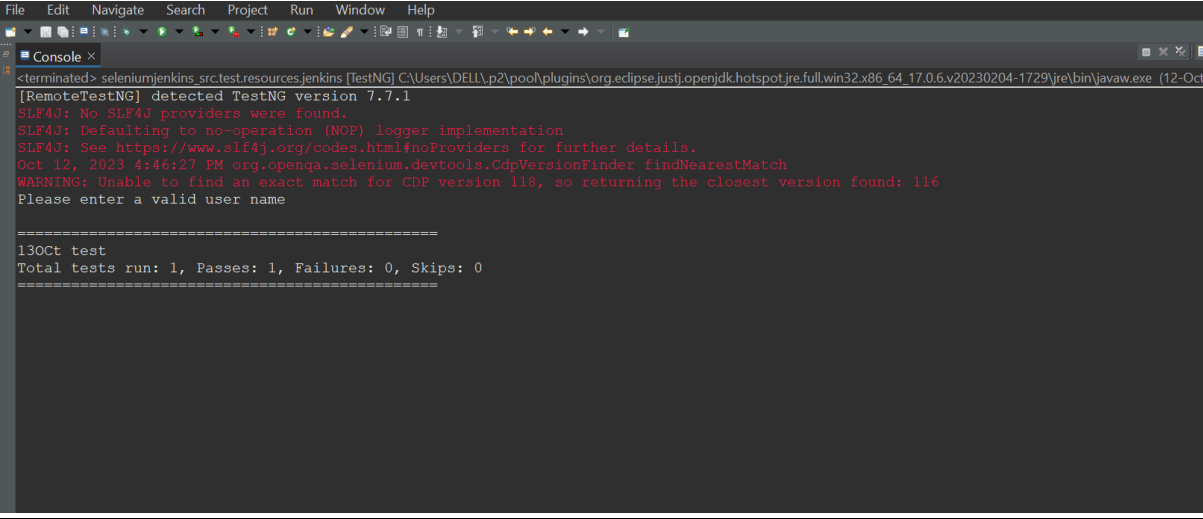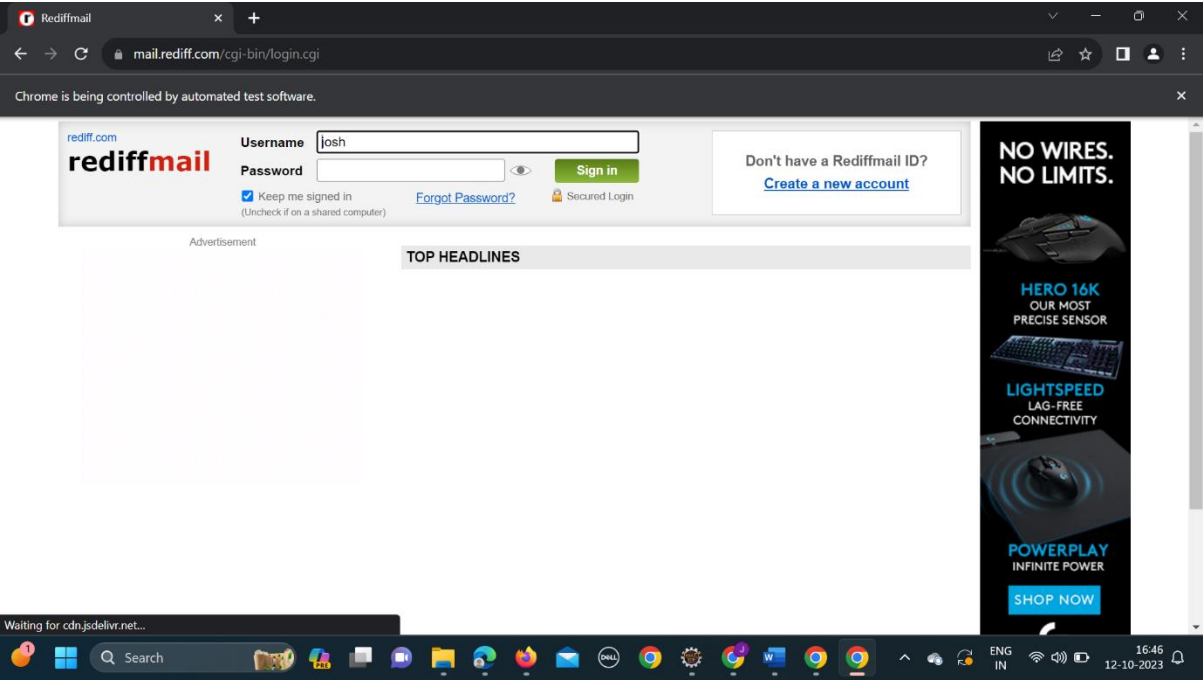
XML-File:

```xml
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd" >

<suite name="13OCt test" verbose="1">

<test name="MailBoxTest">

<classes>

<class name="seleniumjenkins.Seleniumtest1">

</class>

</classes>
```

</test>

</suite>

Screenshot:

Source code - Jenkins-maven-Pipeline

```
pipeline{
```

```
tools{

    maven 'mymaven'

}

agent any  // node where we have to run pipeline

stages{

    stage('Clone the repo')

    {

        steps{

        git 'https://github.com/Sonal0409/DevOpsCodeDemo.git'

        }

    }

    stage('CompileCode'){

        steps{

            sh 'mvn compile'

        }

    }

    stage('TestCode'){

        steps{

            sh 'mvn test'

        }

    }


    stage('PackgeCode'){

        steps{

            sh 'mvn package'
```
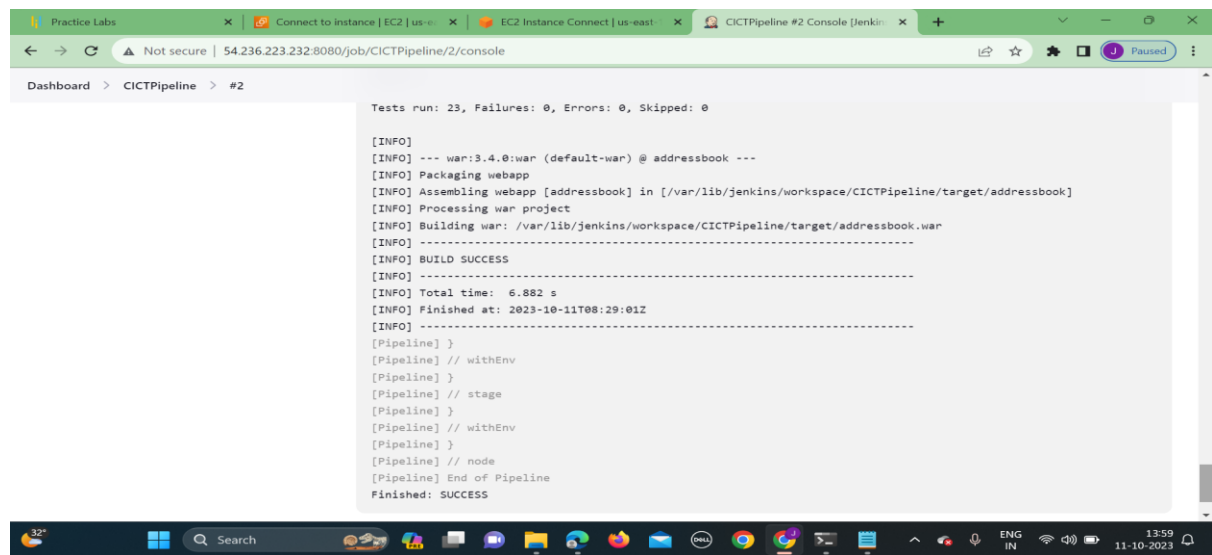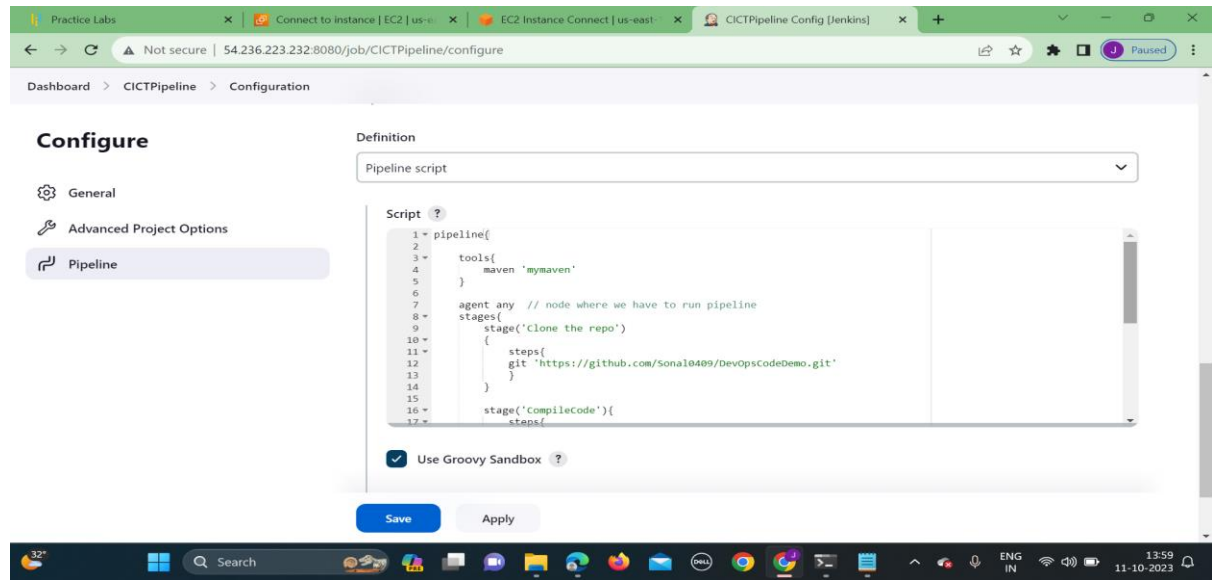
```
        }

      }

    }

}
```

Output : Screenshots

Source code - Jenkins-Selenium-Pipeline

pipeline{

```
tools{

    maven 'mymaven'

  }

  agent {label 'win_slave'}

  stages{

    stage('clone the repo')

    {

       steps{

          git 'https://github.com/Sonal0409/ATE-Selenium-Jenkins.git'

        }

      }


      stage('Seleniumtest')

      {

         steps{

            sh 'mvn test'

          }

        }

      }

}
```

Output : Screenshots

Practice Labs   × | Connect to instance | EC2 | us-e: × | EC2 Instance Connect | us-east   × | SeleniumPipelene Config [Jenki   × | +

← → C   ▲ Not secure | 54.236.223.232:8080/job/SeleniumPipelene/configure

Dashboard > SeleniumPipelene > Configuration

Definition

Configure

Pipeline script ⌄

⚙ General

🔧 Advanced Project Options

ᕒ Pipeline

Script ?

```
1   pipeline{
2
3       tools{
4           maven 'mymaven'
5       }
6
7       agent {label 'win_node'}
8
9       stages{
10          stage('clone the repo')
11          {
12              steps{
13                  git 'https://github.com/Sonal0409/ATE-Selenium-Jenkins.git'
14              }
15          }
16
17          stage('Seleniumtest')
```

☑ Use Groovy Sandbox ?

Pipeline Syntax

[Save] [Apply]

Practice Labs   × | Connect to instance | EC2 | us-e: × | EC2 Instance Connect | us-east   × | SeleniumPipelene #7 Console | × | +

← → C   ▲ Not secure | 54.236.223.232:8080/job/SeleniumPipelene/7/console

Dashboard > SeleniumPipelene > #7

```
WARNING: Unable to find an exact match for CDP version 118, so returning the closest version found: 116
Please enter a valid user name
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 12.88 s - in TestSuite
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  17.545 s
[INFO] Finished at: 2023-10-11T13:56:27+05:30
[INFO] ------------------------------------------------------------------------
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```