

Continuous Testing Using Selenium

Demo Document-2

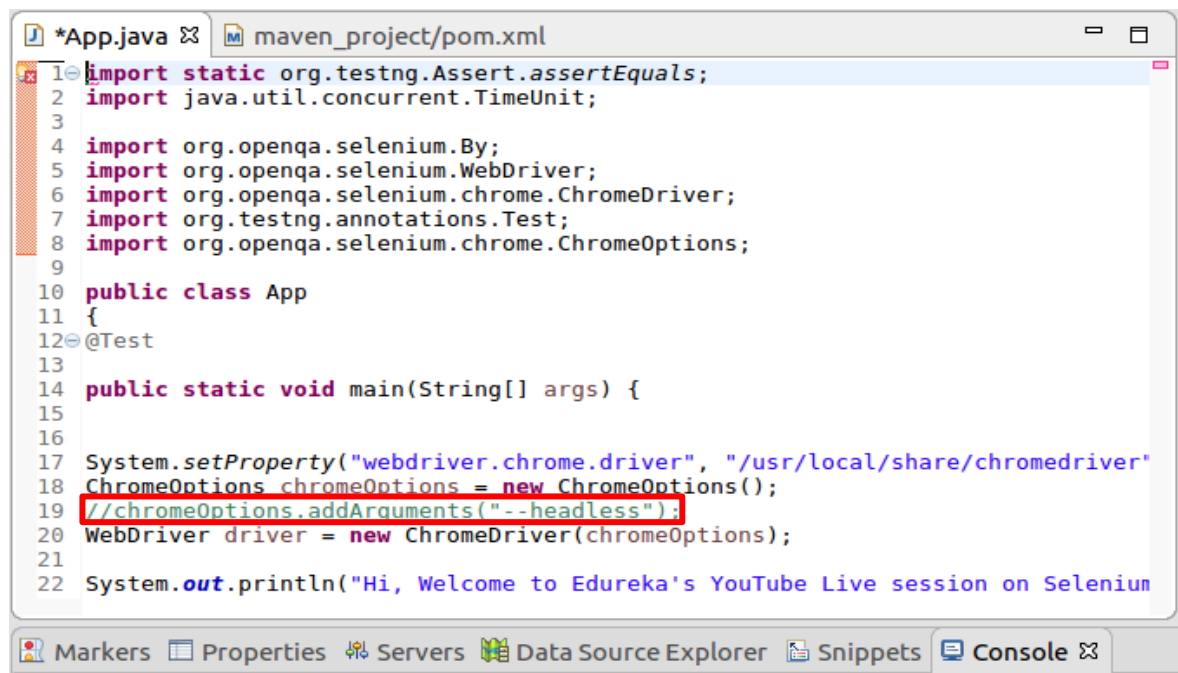
edureka!

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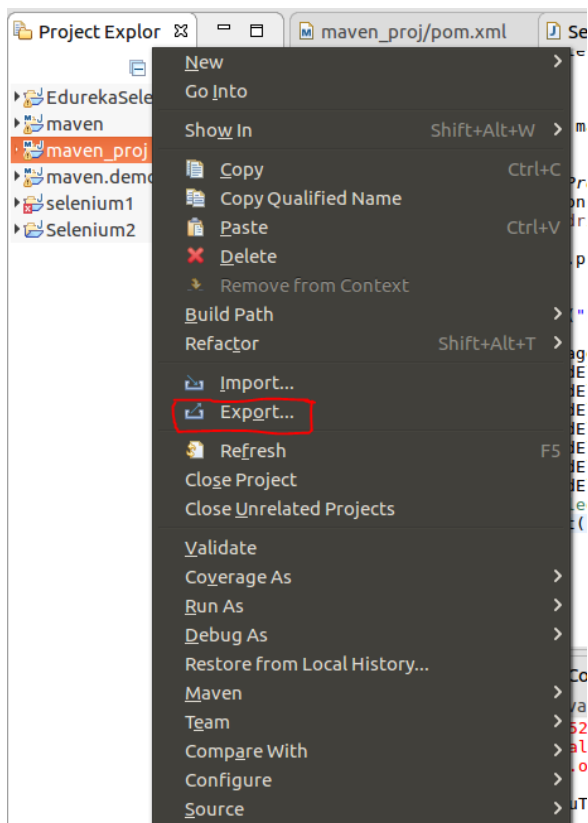
Demo – 2: Integrate Selenium with Jenkins

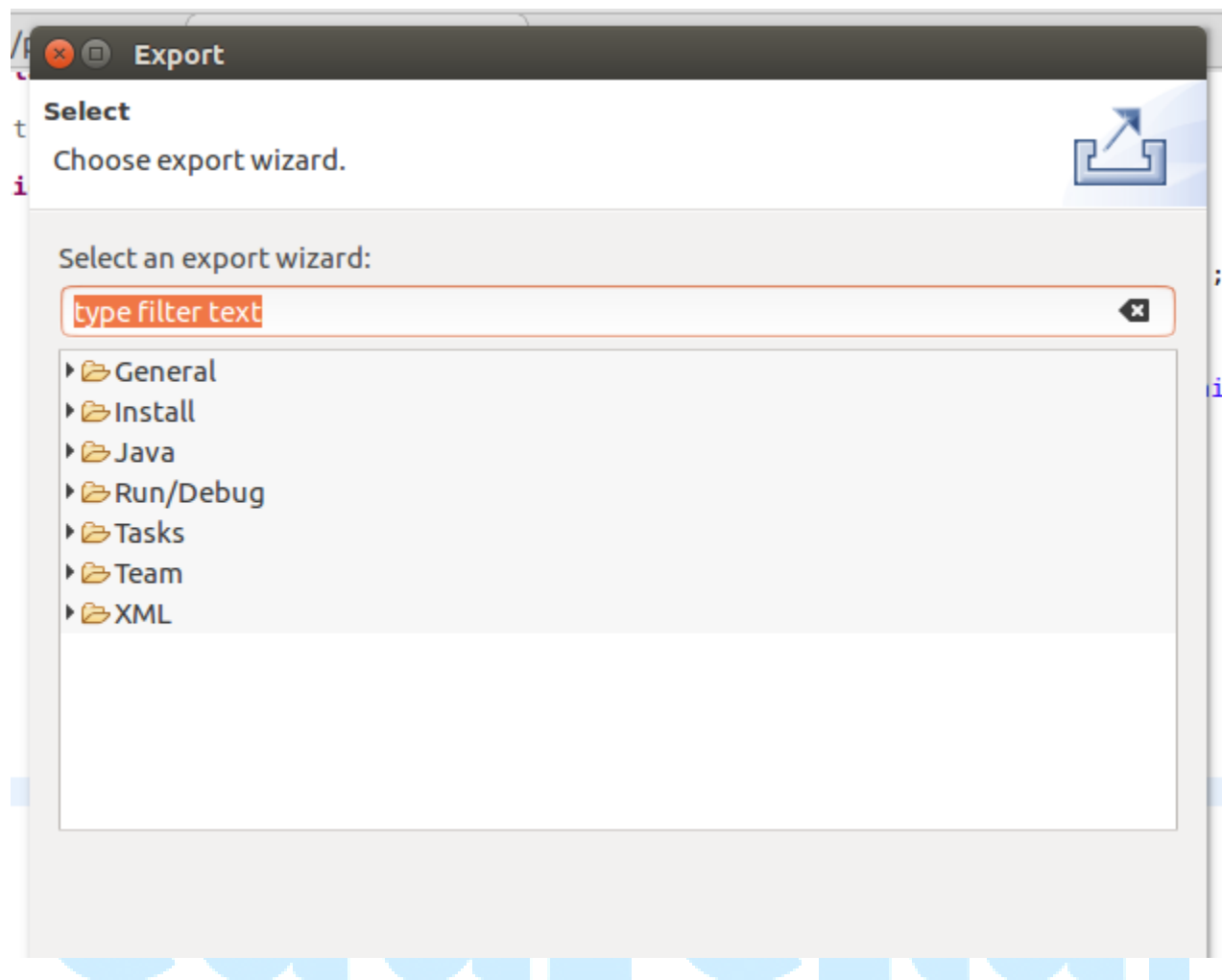
Step 1: Uncomment the highlighted line of code.

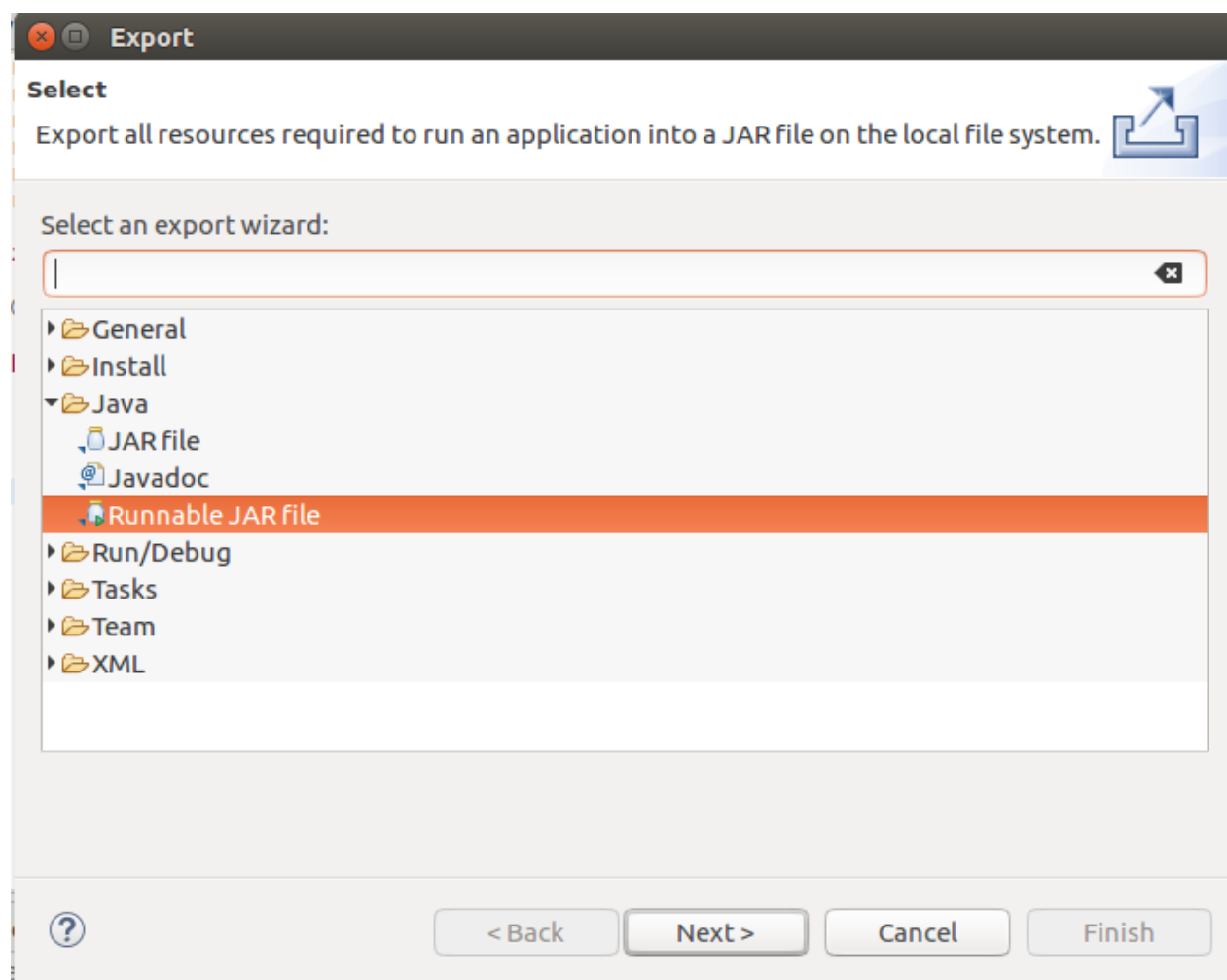


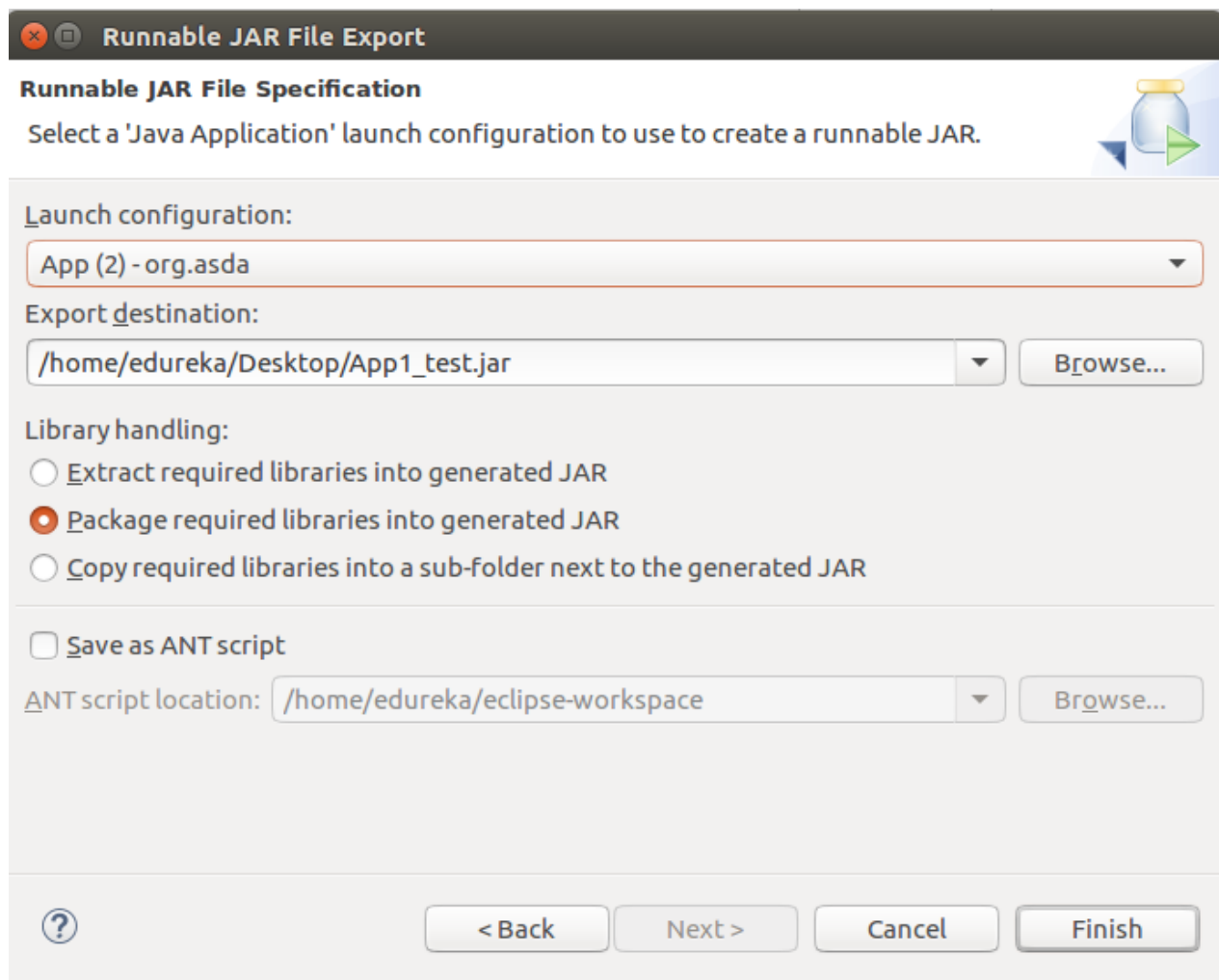
```
1 import static org.testng.Assert.assertEquals;
2 import java.util.concurrent.TimeUnit;
3
4 import org.openqa.selenium.By;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.chrome.ChromeDriver;
7 import org.testng.annotations.Test;
8 import org.openqa.selenium.chrome.ChromeOptions;
9
10 public class App
11 {
12     @Test
13
14     public static void main(String[] args) {
15
16
17         System.setProperty("webdriver.chrome.driver", "/usr/local/share/chromedriver");
18         ChromeOptions chromeOptions = new ChromeOptions();
19         //chromeOptions.addArguments("--headless");
20         WebDriver driver = new ChromeDriver(chromeOptions);
21
22         System.out.println("Hi, Welcome to Edureka's YouTube Live session on Selenium");
23     }
24 }
```

Step 2: Now export your project as a Jar file.









- .jar file is uploaded over git repository to build it through Jenkins by providing the Scm path
- It will be running in the background in headless mode.

General **Source Code Management** Build Triggers Build Environment Build Post-build Actions

Source Code Management

☐ None
☒ Git

Repositories

Repository URL

Credentials [Add](#)

[Advanced...](#)

[Add Repository](#)

Branches to build

Branch Specifier (blank for 'any')

[Add Branch](#)

Repository browser (Auto)

[Save](#) [Apply](#) [Add](#)

Jenkins > Selenium_Demo

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

Build

Execute shell

Command

[See the list of available environment variables](#)

[Advanced...](#)

[Add build step](#)

Post-build Actions

[Add post-build action](#)

[Save](#) [Apply](#)

Jenkins
Selenium_Demo
#21

Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete Build
Git Build Data
No Tags
Previous Build
Next Build

Console Output

```

Started by user anonymous
Building in workspace /var/lib/jenkins/workspace/Selenium_Demo
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/edureka-devops/Selenium_module/ # timeout=10
Fetching upstream changes from https://github.com/edureka-devops/Selenium_module/
> git --version # timeout=10
> git fetch --tags --progress https://github.com/edureka-devops/Selenium_module/ +refs/heads/*:refs/remotes/origin/*
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 7d0723f3c164702ad7f9f0330df9562fd432ddf7 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 7d0723f3c164702ad7f9f0330df9562fd432ddf7
Commit message: "Add files via upload"
> git rev-list --no-walk 3fdbf5015d9cacdcc22fef01ec64ad477ed33d8e # timeout=10
[Selenium_Demo] $ /bin/sh -xe /tmp/jenkins1469557413087289497.sh
+ sudo su -c java -jar /var/lib/jenkins/workspace/Selenium_Demo/App2_test.jar edureka
Starting ChromeDriver 2.35.528139 (47ead77cb35ad2a9a83248b292151462a66cd881) on port 19253
Only local connections are allowed.
May 04, 2018 10:56:11 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Hi, Welcome to Edureka's YouTube Live session on Selenium WebDriver
Finished: SUCCESS

```

Below is the SCM path:

https://github.com/edureka-devops/Selenium_module/

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Below is the code of .jar file that has been uploaded over Git repository:

```
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;
import org.openqa.selenium.chrome.ChromeOptions;

public class App
{
    @Test

    public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver", "/home/edureka/
chromedriver");
        ChromeOptions chromeOptions = new ChromeOptions();
        WebDriver driver = new ChromeDriver(chromeOptions);

        System.out.println("Hi, Welcome to Edureka's YouTube Live
session on Selenium WebDriver");

        driver.get("http://localhost:8090/addressbook");

        driver.manage().timeouts().implicitlyWait(3,
TimeUnit.SECONDS);
        driver.findElement(By.className("v-button")).click();
        driver.findElement(By.id("gwt-uid-5")).sendKeys("Edureka");
        driver.findElement(By.id("gwt-uid-7")).sendKeys("DevOps");
        driver.findElement(By.id("gwt-uid-
9")).sendKeys("9834562709");
        driver.findElement(By.id("gwt-uid-
11")).sendKeys("Devops@edureka.co");
        driver.findElement(By.id("gwt-uid-
13")).sendKeys("01/01/2015");
        driver.findElement(By.className("v-button-
primary")).click();
        //Thread.sleep(5000);
        driver.quit();
    }
}
```


Below are the dependencies that were added in the pom.xml file:

```
<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>3.8.1</version>
  <scope>test</scope>
</dependency>
<dependency>
  <groupId>org.seleniumhq.selenium</groupId>
  <artifactId>selenium-java</artifactId>
  <version>3.11.0</version>
</dependency>
<dependency>
  <groupId>org.testng</groupId>
  <artifactId>testng</artifactId>
  <version>6.14.3</version>
</dependency>
```

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