

DAY4

CE 1:

Day 04: Class Exercise Lab:

Task 01: Selenese Commands

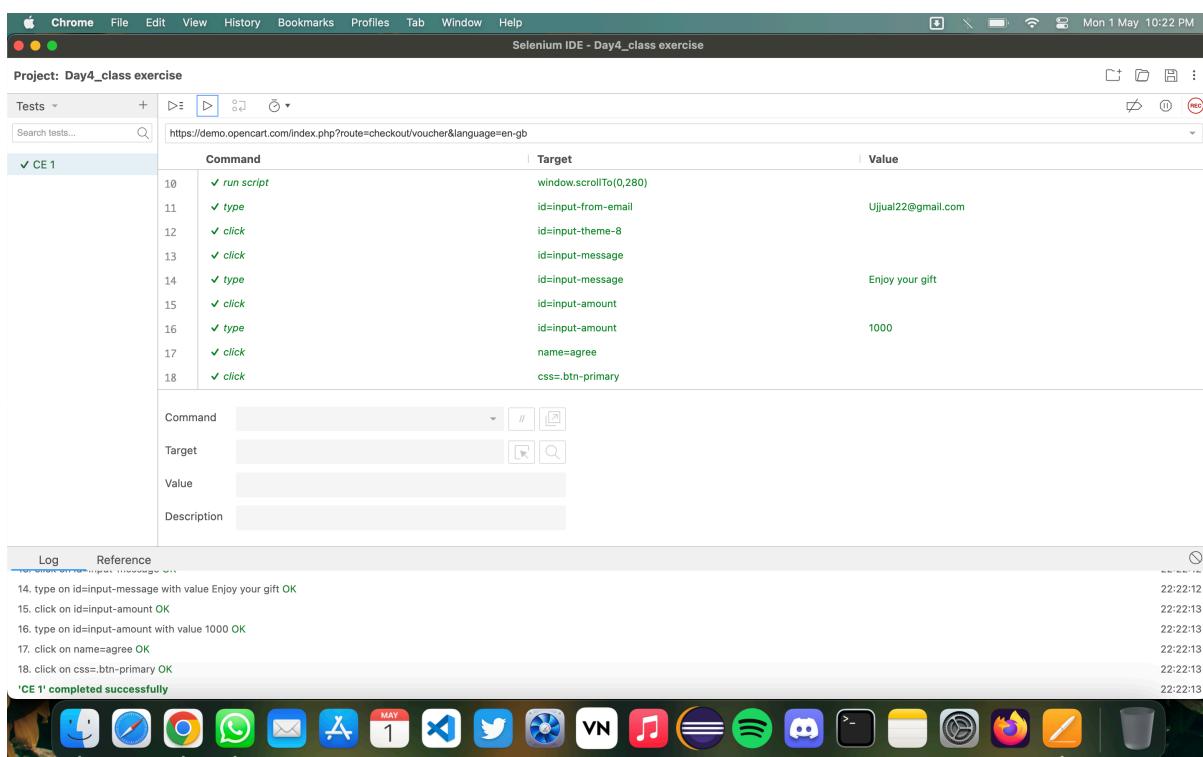
Step 01: Record the below step

- Open the Page:
<https://demo.opencart.com/index.php?route=account/register&language=en-gb>.
- Register the Account
- Click on the Continue button.

Step 02: Replay the recorded Script.

Step 03: Export as the Junit Code

Output :



The screenshot shows the Selenium IDE interface with the following details:

- Project:** Day4_class exercise
- Test:** CE 1
- URL:** https://demo.opencart.com/index.php?route=checkout/voucher&language=en-gb
- Recorded Steps:** 10 to 18 (14 steps)
- Log:** Shows the command history with status OK for each step.
- Status:** 'CE 1' completed successfully.

Step	Command	Target	Value
10	run script	window.scrollTo(0,280)	
11	type	id=input-from-email	Ujjual22@gmail.com
12	click	id=input-theme-8	
13	click	id=input-message	
14	type	id=input-message	Enjoy your gift
15	click	id=input-amount	
16	type	id=input-amount	1000
17	click	name:agree	
18	click	css=.btn-primary	

CE 2:

Task 02: Locators

Task 3.1: Click My Account → Register.Locate the Below Elements

- Open the Page:
- <https://demo.opencart.com/index.php?route=account/register&language=en-gb>
- First Name
- Last Name
- Email
- Password
- Subscribe

CODING:

```
package com.day4;
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.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class ce2 {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();
        WebDriver driver=new ChromeDriver();
        driver.get("https://demo.opencart.com/index.php?route=account/
register&language=en-gb");
        driver.manage().window().maximize();
        WebElement fname=driver.findElement(By.id("input-firstname"));
        fname.sendKeys("Ujjual");
        WebElement lname=driver.findElement(By.id("input-lastname"));
        lname.sendKeys("A");
        WebElement email=driver.findElement(By.id("input-email"));}
```

```

        email.sendKeys("22ujjual.a@gmail.com");
        WebElement password=driver.findElement(By.id("input-password"));
        password.sendKeys("jasdak@1414");
        Thread.sleep(4000);
        driver.findElement(By.id("input-newsletter-yes")).click();
        driver.findElement(By.xpath("//*[@id='form-register']/div/div/div/input")).click();
        Thread.sleep(1000);
        driver.findElement(By.xpath("//*[@id='form-register']/div/div/button")).click();
    }
}

```

OUTPUT :

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with packages like com.day4 and com.day5.
- ce2.java:** The active code editor window contains the provided Java code for a Selenium test.
- Terminal:** The bottom-right pane displays the terminal output of the Java application, which includes SLF4J log messages about provider detection and the successful start of the ChromeDriver.

```

eclipse-workspace - test/src/main/java/com/day4/ce2.java - Eclipse IDE
Mon 1 May 10:29 PM

package com.day4;
import org.openqa.selenium.By;
public class ce2 {
    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.get("https://demo.opencart.com/index.php?route=account/register");
        driver.manage().window().maximize();
        WebElement fname=driver.findElement(By.id("input-firstname"));
        fname.sendKeys("A");
        WebElement lname=driver.findElement(By.id("input-lastname"));
        lname.sendKeys("A");
        WebElement email=driver.findElement(By.id("input-email"));
        email.sendKeys("22ujjual@gmail.com");
        WebElement password=driver.findElement(By.id("input-password"));
        password.sendKeys("jasdak@1414");
        Thread.sleep(4000);
        driver.findElement(By.id("input-newsletter-yes")).click();
        driver.findElement(By.xpath("//*[@id='form-register']/div/div/div/input")).click();
        Thread.sleep(1000);
        driver.findElement(By.xpath("//*[@id='form-register']/div/div/button")).click();
    }
}

<terminated> ce2 [Java Application] /Users/ujjual/p2/pool/plugins/org.eclipse.jst.opendk.hotspot.jre.full.macosx-x86_64/bin Mon 1 May 10:29 PM
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 112.0.5619.49 (bd2a7bc081c1e8ce3078709382934e3916914) on port 5473
Only for compatibility reasons it is recommended to update to chromedriver.chromium.org/security-considerations for suggestion.
Please see https://chromedriver.chromium.org/security-considerations for suggestions.
ChromeDriver was started successfully.

```

CE 3:

Task 3 Locate the Below Elements withXpath

Open Page :

- <https://demo.opencart.com/index.php?route=checkout/voucher&language=en-gb>
- Element with the Xpath Locator.

CODING:

```
package com.day4;

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.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class ce3 {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();
        WebDriver driver=new ChromeDriver();
        driver.get("https://demo.opencart.com/index.php?route=checkout/voucher&language=en-gb");
        driver.manage().window().maximize();
        WebElement Rname=driver.findElement(By.xpath("//*[@id=\"input-to-name\"]"));
        Rname.sendKeys("Ram");
        WebElement Rmail=driver.findElement(By.xpath("//*[@id=\"input-to-email\"]"));
        Rmail.sendKeys("ram22@gmail.com");
        WebElement Name=driver.findElement(By.xpath("//*[@id=\"input-from-name\"]"));
        Name.sendKeys("Ujjual");
        WebElement mail=driver.findElement(By.xpath("//*[@id=\"input-from-email\"]"));
        mail.sendKeys("ujjual@gmail.com");
        Thread.sleep(2000);
        driver.findElement(By.xpath("//*[@id=\"input-theme-8\"]")).click();
        WebElement message=driver.findElement(By.xpath("//*[@id=\"input-message\"]"));
        message.sendKeys("Enjoy Your Gift!!!");
        WebElement amount=driver.findElement(By.xpath("//*[@id=\"input-amount\"]"));
        amount.sendKeys("0000");
        Thread.sleep(2000);
        driver.findElement(By.xpath("//*[@id=\"form-voucher\"]/div[8]/div/div/input")).click();
        Thread.sleep(4000);
```

```
        driver.findElement(By.xpath("//button[@type=\"submit\"]")).  
click();  
  
    }  
  
}
```

OUTPUT :

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Displays the project structure with files like ce05.java, ce1.java, com.day4, and ce3.java.
- Code Editor:** The main editor window contains the Java code for the ce3.java file, which uses Selenium WebDriver to interact with a web application.
- Console:** The bottom right pane shows the output of the Java application, indicating that ChromeDriver was started successfully.
- System Tray:** The Mac OS X system tray is visible at the bottom, showing various application icons.

```
ce3.java
1 package com.day4;
2
3 import org.openqa.selenium.By;
4
5 public class ce3 {
6
7     public static void main(String[] args) throws InterruptedException {
8         // TODO Auto-generated method stub
9         ChromeOptions chromeOptions = new ChromeOptions();
10        chromeOptions.addArguments("remote-allow-origins=*");
11        WebDriverManager.chromedriver().setup();
12        WebDriver driver = new ChromeDriver();
13        driver.get("https://demoblaze.com/index.php?route=page/home");
14        driver.manage().window().maximize();
15        WebElement Rname = driver.findElement(By.xpath("//input[@name='username']"));
16        Rname.sendKeys("Rama");
17        WebElement Rmail = driver.findElement(By.xpath("//input[@name='email']"));
18        Rmail.sendKeys("ram22@gmail.com");
19        WebElement Name = driver.findElement(By.xpath("//input[@name='name']"));
20        Name.sendKeys("Rama");
21        WebElement Address = driver.findElement(By.xpath("//input[@name='address']"));
22        Address.sendKeys("Kharar");
23        WebElement phone = driver.findElement(By.xpath("//input[@name='phone']"));
24        phone.sendKeys("9876543210");
25        WebElement amount = driver.findElement(By.xpath("//input[@name='amount']"));
26        amount.sendKeys("10000");
27        Thread.sleep(2000);
28        driver.findElement(By.xpath("//input[@id='input-theme']")).click();
29        WebElement message = driver.findElement(By.xpath("//input[@id='message']"));
30        message.sendKeys("Enjoy Your Gift!!!");
31        WebElement voucher = driver.findElement(By.xpath("//input[@id='voucher_code']"));
32        voucher.sendKeys("1234567890");
33        WebElement amount1 = driver.findElement(By.xpath("//input[@name='amount']"));
34        amount1.sendKeys("10000");
35        Thread.sleep(2000);
36        driver.findElement(By.xpath("//input[@id='form-voucher']")).click();
37        Thread.sleep(4000);
38        driver.findElement(By.xpath("//button[@type=\"submit\"]")).click();
39    }
40 }
41
42 }
```

CE 4:

Task 04: Web Navigation Commands

- Open the Page: <https://j2store.net/free/>
 - Maximize the Screen
 - Click on the Clothing link.
 - Navigating backward in browser history
 - Navigating forward in browser history
 - Refresh/ Reload a web page
 - Close the Browser

CODING:

```
package com.day4;  
  
package com.day4;  
  
import org.openqa.selenium.By;
```

```

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class ce4 {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();
        WebDriver driver=new ChromeDriver();
        driver.get("https://j2store.net/free/");
        driver.manage().window().maximize();
        driver.findElement(By.xpath("//*[@id=\"Mod112\"]/div/div/ul/li[1]/a/img")).click();
        Thread.sleep(3000);
        driver.navigate().back();
        Thread.sleep(3000);
        driver.navigate().forward();
        Thread.sleep(3000);
        driver.navigate().refresh();
        Thread.sleep(3000);
        driver.close();
    }
}

```

OUTPUT:

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with files like ce05.java, ce4.java, and various com.day4, com.day5, and com.day6 files.
- Code Editor:** Displays the Java code for ce4.java.
- Console:** Shows the output of the Java application execution, including logs from SLF4J and the starting of a ChromeDriver instance.
- Mac OS Dock:** At the bottom, the Mac OS Dock shows various application icons.

```

eclipse-workspace - test/src/main/java/com/day4/ce4.java - Eclipse IDE
Mon 1 May 10:47 PM

ce4 [Java Application] /Users/ujjwal/p2/pool/plugins/org.eclipse.justj/openjdk.hotspot.jre.full.macosx.x86_64_17C
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#NoProvider for further details.
Starting ChromeDriver 112.0.5619.69 (b02a7bc081c1e0ce07d70938293de5916914-re
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions.
ChromeDriver was started successfully.

```

CE 5.1

Task 05.1: Web Driver Commands

Perform the below step

- Open the Page: <https://j2store.net/free/>
- Get the URL of the Page
- Validate the URL of the Page is "https://j2store.net/free/"
- Click on the Clothing link.
- Get the URL of the Page
- Validate the URL of the Page is
https://j2store.net/free/index.php/shop?filter_catid=11

CODING:

```
package com.day4;

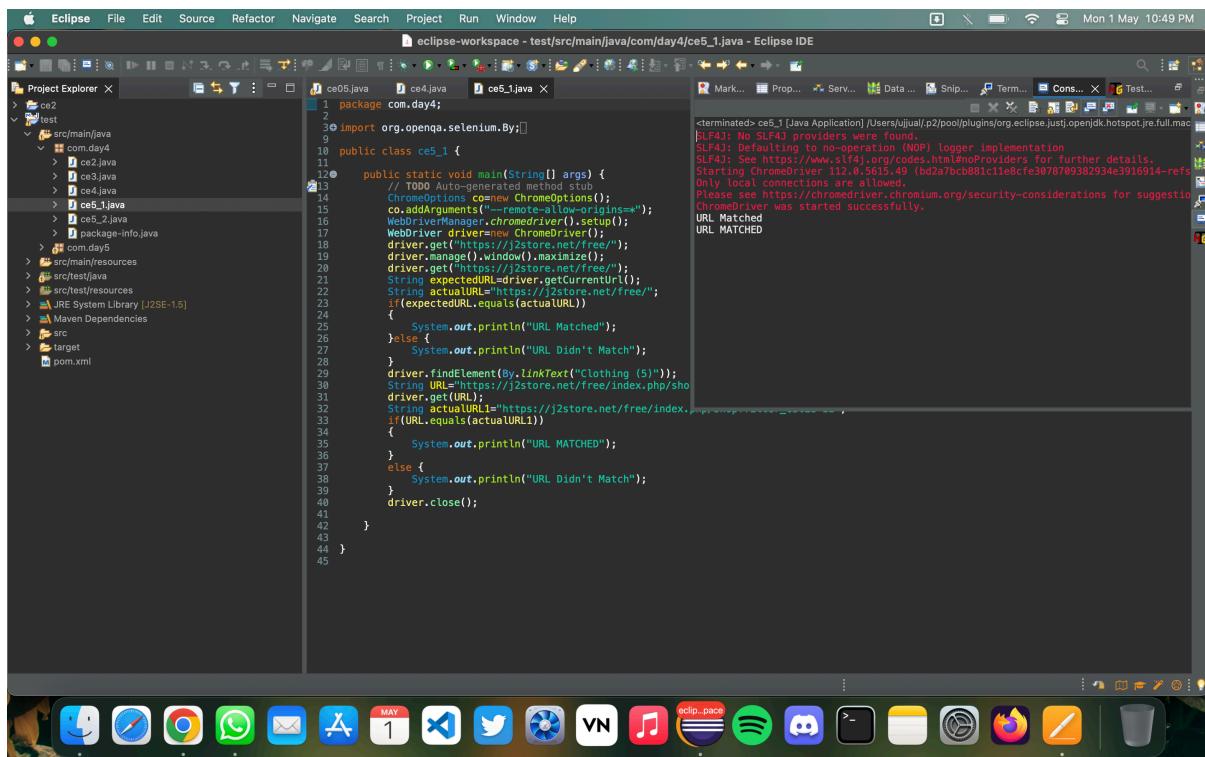
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class ce5_1 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();
        WebDriver driver=new ChromeDriver();
        driver.get("https://j2store.net/free/");
        driver.manage().window().maximize();
        driver.get("https://j2store.net/free/");
        String expectedURL=driver.getCurrentUrl();
        String actualURL="https://j2store.net/free/";
        if(expectedURL.equals(actualURL))
        {
            System.out.println("URL Matched");
        }else {
            System.out.println("URL Didn't Match");
        }
        driver.findElement(By.linkText("Clothing (5)"));
        String URL="https://j2store.net/free/index.php/shop?
filter_catid=11";
        driver.get(URL);
        String actualURL1="https://j2store.net/free/index.php/shop?
filter_catid=11";
        if(URL.equals(actualURL1))
        {
            System.out.println("URL MATCHED");
        }
        else {
            System.out.println("URL Didn't Match");
        }
        driver.close();
    }
}
```

Output:



CE 5.2 :

Task 5.2: Web Driver Commands

- Open the Page: <https://j2store.net/free/>
- Click on the Clothing link.
- Print all the name of the item displayed on the screen using findElements Method.
 - Eg: Simple,Variable,T-Shirt1

CODING:

```
package com.day4;

import java.util.List;

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.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class ce5_2 {

    public static void main(String[] args) throws InterruptedException {
```

```

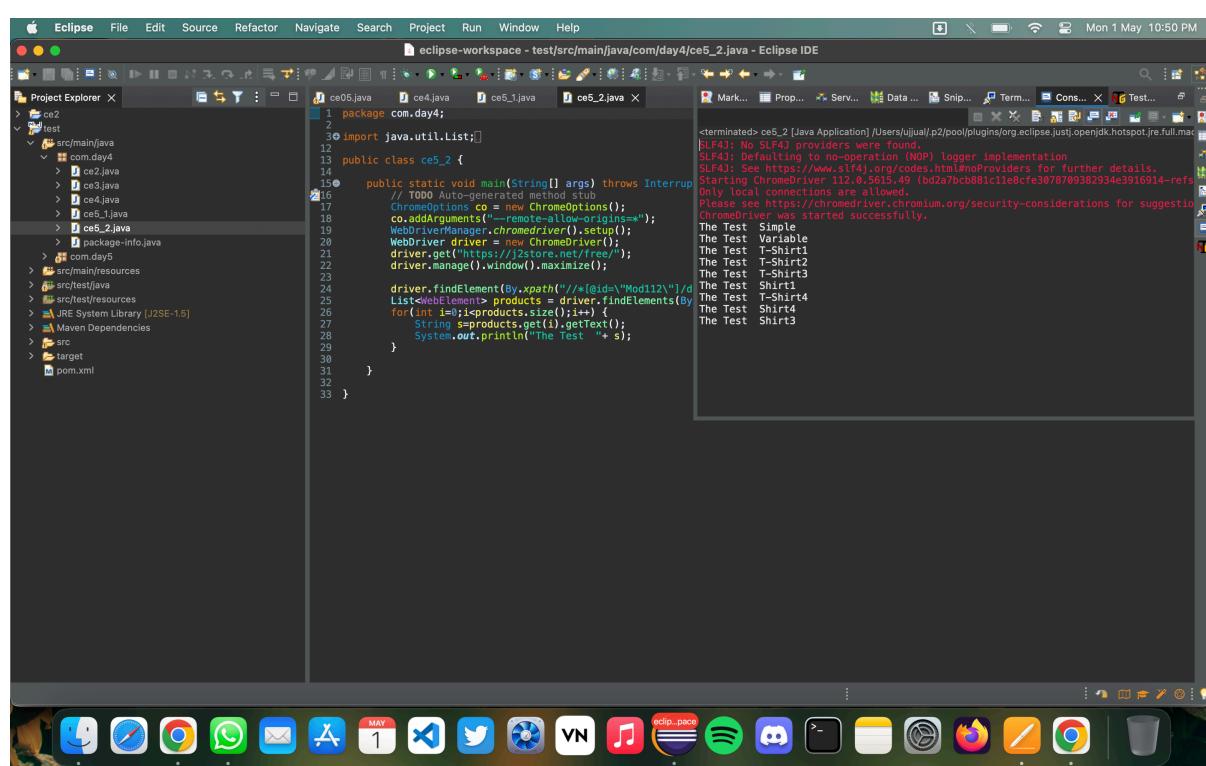
// TODO Auto-generated method stub
ChromeOptions co = new ChromeOptions();
co.addArguments("--remote-allow-origins=*");
WebDriverManager.chromedriver().setup();
WebDriver driver = new ChromeDriver();
driver.get("https://j2store.net/free/");
driver.manage().window().maximize();

driver.findElement(By.xpath("//*[@id=\"Mod112\"]/div/div/ul/li[1]")).click();
List<WebElement> products = driver.findElements(By.xpath("//h2[@itemprop='name']"));
for(int i=0;i<products.size();i++) {
    String s=products.get(i).getText();
    System.out.println("The Test "+ s);
}
}

}

```

OUTPUT:



The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with files like ce2.java, ce4.java, ce5_1.java, and ce5_2.java.
- Code Editor:** Displays the Java code for ce5_2.java. The code initializes a ChromeDriver, navigates to a URL, finds elements by XPath, and prints their text content.
- Output Console:** Shows the terminal output of the application's execution. It includes logs from SLF4J, the starting of the ChromeDriver, and the printed text "The Test Simple", "The Test Variable", "The Test T-Shirt1", "The Test T-Shirt2", "The Test T-Shirt3", "The Test Shirt", "The Test T-Shirt4", "The Test Shirt3", and "The Test Shirt4".
- Mac OS Dock:** At the bottom, the Mac OS Dock displays various application icons.