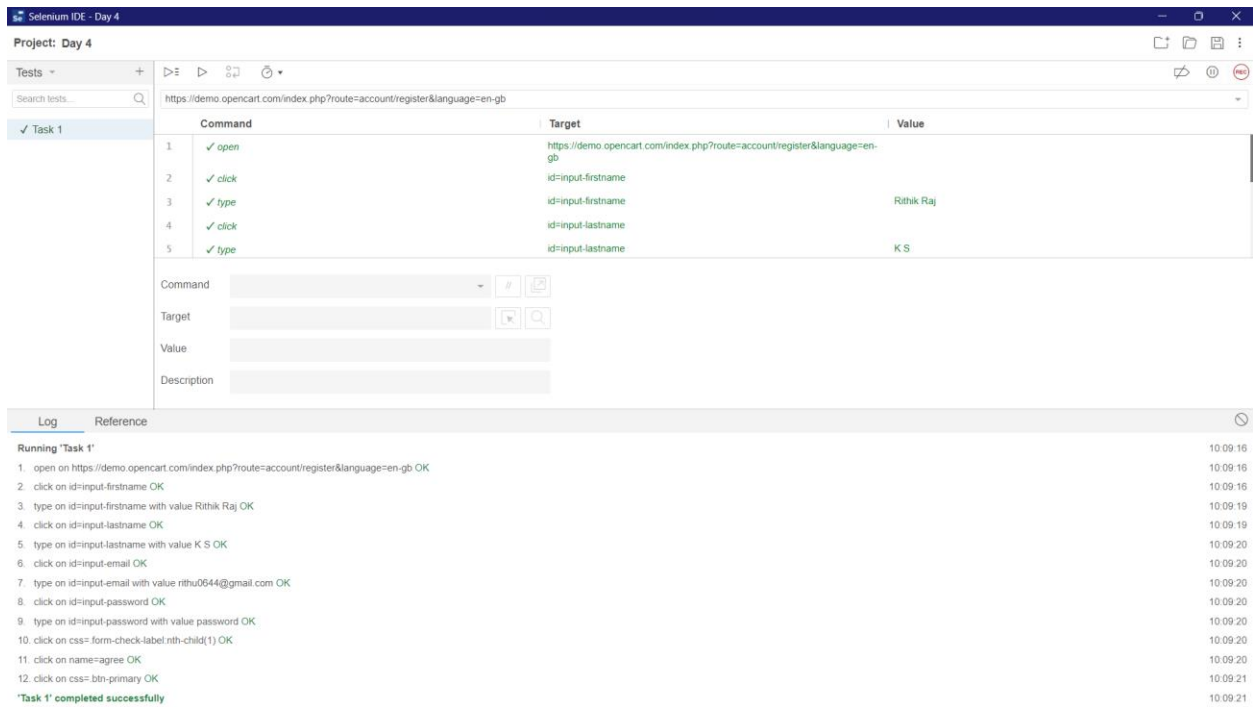


## Task 1:



**Selenium IDE - Day 4**

Project: Day 4

Tests: Search tests...

Task 1

Command	Target	Value
open	https://demo.opencart.com/index.php?route=account/register&language=en-gb	
click	id=input-firstname	
type	id=input-firstname	Rithik Raj
click	id=input-lastname	
type	id=input-lastname	K S

Command:  #

Target:

Value:

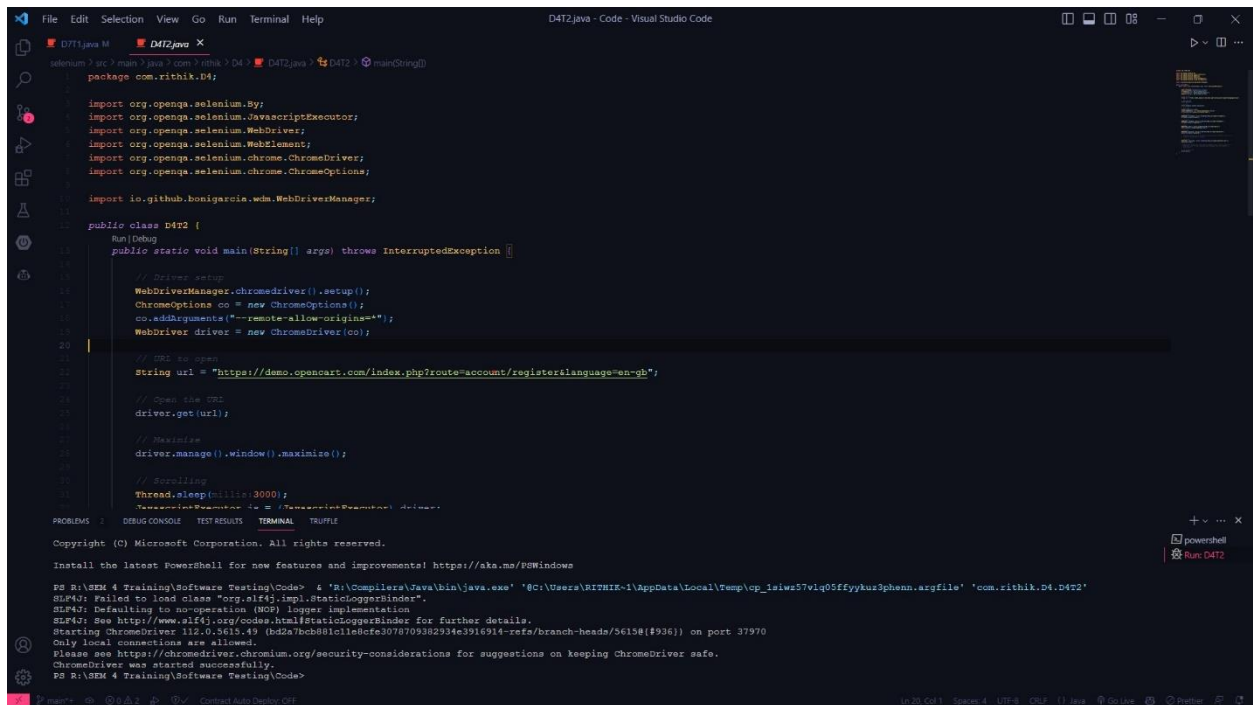
Description:

Log Reference

Running "Task 1"

1. open on https://demo.opencart.com/index.php?route=account/register&language=en-gb OK	10:09:16
2. click on id=input-firstname OK	10:09:16
3. type on id=input-firstname with value Rithik Raj OK	10:09:16
4. click on id=input-lastname OK	10:09:19
5. type on id=input-lastname with value K S OK	10:09:19
6. click on id=input-email OK	10:09:20
7. type on id=input-email with value rithu0644@gmail.com OK	10:09:20
8. click on id=input-password OK	10:09:20
9. type on id=input-password with value password OK	10:09:20
10. click on css= form-check-label:nth-child(1) OK	10:09:20
11. click on name=agree OK	10:09:20
12. click on css= btn-primary OK	10:09:21
"Task 1" completed successfully	10:09:21

## Task 2:



File Edit Selection View Go Run Terminal Help

D4T2.java - Code - Visual Studio Code

```
package com.rithik.D4;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
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 D4T2 {
    // Driver Setup
    public static void main(String[] args) throws InterruptedException {
        WebDriverManager.chromedriver().setup();
        ChromeOptions co = new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver = new ChromeDriver(co);

        // URL to open
        String url = "https://demo.opencart.com/index.php?route=account/register&language=en-gb";

        // Open the URL
        driver.get(url);

        // Maximize
        driver.manage().window().maximize();

        // Scrolling
        Thread.sleep(3000);
    }
}
```

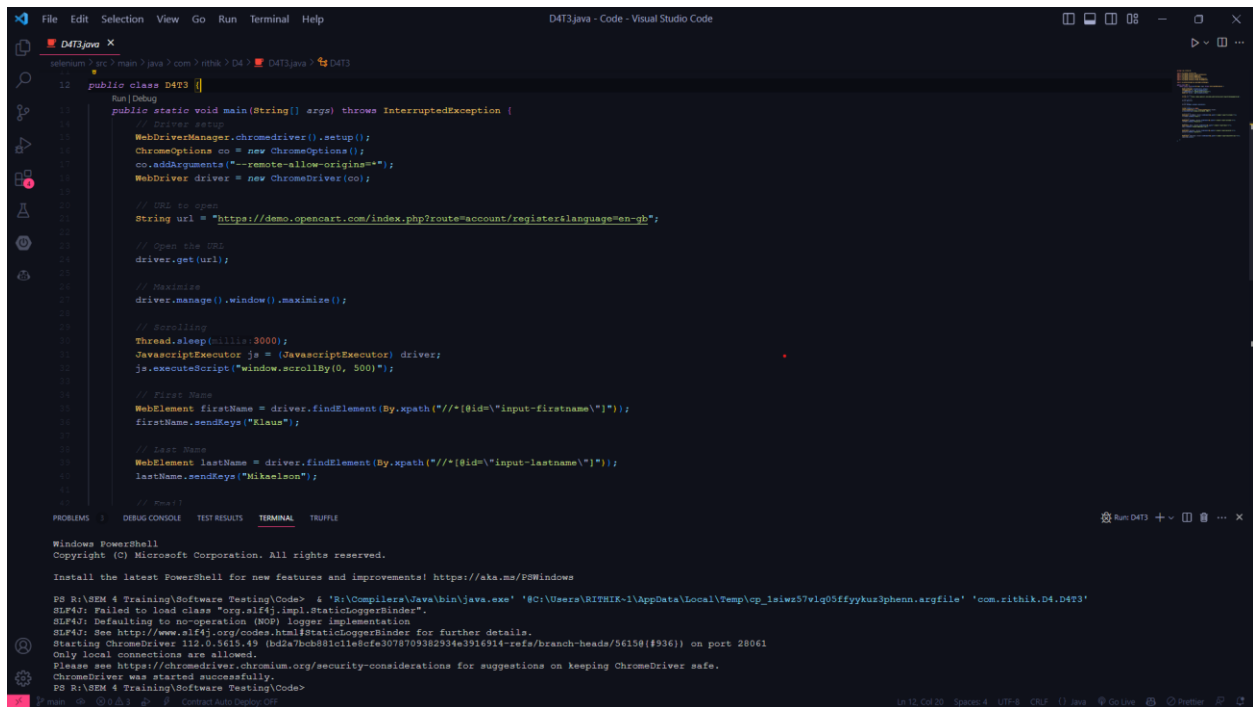
PROBLEMS DEBUG CONSOLE TEST RESULTS TERMINAL OUTPUT

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

```
PS R:\SEM 4 Training\Software Testing\Code> & 'R:\Compiler\Java\bin\java.exe' -Xmx1024m -Xms64m -Xmn512m -Xss1M -XX:MaxRAMPercentage=75% -XX:HeapDumpPath=C:\Users\RITHIK-1\AppData\Local\Temp\op_1aiws57viq05ffyykua3phenn.argfile 'com.rithik.D4.D4T2'
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/code.html#StaticLoggerBinder for further details.
Starting ChromeDriver 112.0.5615.49 (b227b2b881c1e307870582934e3916914-refa/branch-heads/56158[#936]) on port 37970
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
PS R:\SEM 4 Training\Software Testing\Code>
```

### Task 3:



```
File Edit Selection View Go Run Terminal Help
D4T3.java - Code - Visual Studio Code

selenium > src > main > java > com > rithik > D4 > D4T3.java > D4T3

12 public class D4T3 {
13     Run/Debug
14     public static void main(String[] args) throws InterruptedException {
15         WebDriverManager.chromedriver().setup();
16         ChromeOptions co = new ChromeOptions();
17         co.addArguments("--remote-allow-origins=*");
18         WebDriver driver = new ChromeDriver(co);
19
20         // URL to open
21         String url = "https://demo.opencart.com/index.php?route=account/register&language=en-gb";
22
23         // Open the URL
24         driver.get(url);
25
26         // Maximize
27         driver.manage().window().maximize();
28
29         // Scrolling
30         Thread.sleep(1000);
31         JavascriptExecutor js = (JavascriptExecutor) driver;
32         js.executeScript("window.scrollTo(0, 500)");
33
34         // First Name
35         WebElement firstName = driver.findElement(By.xpath("//*[@id='input-firstname']"));
36         firstName.sendKeys("Klaus");
37
38         // Last Name
39         WebElement lastName = driver.findElement(By.xpath("//*[@id='input-lastname']"));
40         lastName.sendKeys("Mikaelson");
41
42         // Close
43     }
44 }

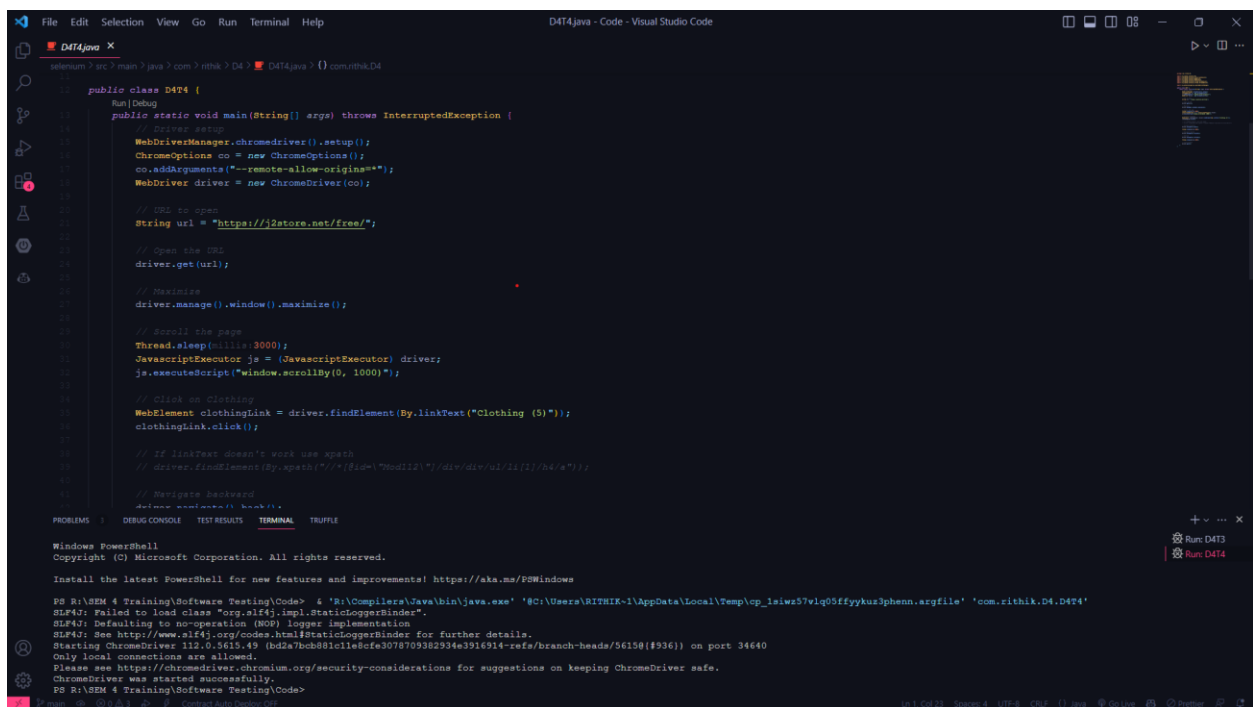
PROBLEMS 1 DEBUG CONSOLE TEST RESULTS TERMINAL TRUFFLE

Windows PowerShell
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PS R:\SEM 4 Training\Software Testing\Code> & 'R:\Compilers\Java\bin\java.exe' -XC:\Users\RITHIK-1\AppData\Local\Temp\cp_1siwz57vlq05ffyykus3phenn.argvfile' 'com.rithik.D4.D4T3'
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/code.html#StaticLoggerBinder for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914-refs/branch-heads/56150#936) on port 28061
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
PS R:\SEM 4 Training\Software Testing\Code>
```

### Task 4:



```
File Edit Selection View Go Run Terminal Help
D4T4.java - Code - Visual Studio Code

selenium > src > main > java > com > rithik > D4 > D4T4.java > () com.rithik.D4

12 public class D4T4 {
13     Run/Debug
14     public static void main(String[] args) throws InterruptedException {
15         // Driver Setup
16         WebDriverManager.chromedriver().setup();
17         ChromeOptions co = new ChromeOptions();
18         co.addArguments("--remote-allow-origins=*");
19         WebDriver driver = new ChromeDriver(co);
20
21         // URL to open
22         String url = "https://2store.net/free/";
23
24         // Open the URL
25         driver.get(url);
26
27         // Maximize
28         driver.manage().window().maximize();
29
30         // Scroll the page
31         Thread.sleep(1000);
32         JavascriptExecutor js = (JavascriptExecutor) driver;
33         js.executeScript("window.scrollTo(0, 1000)");
34
35         // Click on Clothing
36         WebElement clothingLink = driver.findElement(By.linkText("Clothing (5)"));
37         clothingLink.click();
38
39         // If linkText doesn't work use xpath
40         // driver.findElement(By.xpath("//*[@id='prod12']/div/div/div/div/div/div/div/a"));
41
42         // Verify page loaded
43         // driver.findElement(By.xpath("//*[@id='prod12']/div/div/div/div/div/div/div/a"));
44     }
45 }

PROBLEMS 1 DEBUG CONSOLE TEST RESULTS TERMINAL TRUFFLE

Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS R:\SEM 4 Training\Software Testing\Code> & 'R:\Compilers\Java\bin\java.exe' -XC:\Users\RITHIK-1\AppData\Local\Temp\cp_1siwz57vlq05ffyykus3phenn.argvfile' 'com.rithik.D4.D4T4'
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/code.html#StaticLoggerBinder for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914-refs/branch-heads/56150#936) on port 34640
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
PS R:\SEM 4 Training\Software Testing\Code>
```

Task 5(a):

```

File Edit Selection View Go Run Terminal Help
D4T5a.java - Visual Studio Code

D4T5a.java
selenium > src > main > java > com > rithik > D4 > D4T5a.java > D4T5a > main(String[])

1 public class D4T5a {
2     Run Debug
3     public static void main(String[] args) throws InterruptedException {
4
5         // Driver setup
6         WebDriverManager.chromedriver().setup();
7         ChromeOptions co = new ChromeOptions();
8         co.addArguments("--remote-allow-origins*");
9         WebDriver driver = new ChromeDriver(co);
10
11         // URL to open
12         String url = "https://d2atork.net/free/";
13
14         // Open the URL
15         driver.get(url);
16
17         // Maximize
18         driver.manage().window().maximize();
19
20         // Get url of the home page
21         String currentURL = driver.getCurrentUrl();
22         String checkURL = "https://d2atork.net/free/";
23
24         // Validate url of the home page
25         if (checkURL.equals(currentURL)) {
26             System.out.println("Correct URL");
27         } else {
28             System.out.println("Wrong URL");
29         }
30
31         // Scroll the page
32         Thread.sleep(1000);
33     }
34 }

PROBLEMS 1 DEBUG CONSOLE TEST RESULTS TERMINAL TRUFFLE

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS B:\SEM 4 Training\Software Testing\Code> & "B:\Compilers\Java\bin\java.exe" "%C:\Users\RITHIK-1\AppData\Local\Temp\cp_i1nws57vlq05ffyykuz3phnm.argsfile" 'com.rithik.D4.D4T5a'
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/compat.html#StaticLoggerBinder for further details.
Starting ChromeDriver 112.0.5615.49 (bd227bcb881c1e3cf3078709382934e3916914-refs/branch-heads/56150#936) on port 24578
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Correct URL
PS B:\SEM 4 Training\Software Testing\Code>
  
```

Task 5(b):

The screenshot displays the Visual Studio Code editor with a Java file named `D4T5b.java`. The code uses Selenium WebDriver to automate browser interactions. It includes comments for each step, such as driver setup, URL navigation, scrolling, clicking on a link, and verifying page elements.

```

1 // Driver Setup
2 public class D4T5b {
3     Run Debug
4     public static void main(String[] args) throws InterruptedException {
5
6         // Driver setup
7         WebDriverManager.chromedriver().setup();
8         ChromeOptions co = new ChromeOptions();
9         co.addArguments("--remote-allow-origin=*");
10        WebDriver driver = new ChromeDriver(co);
11
12        // URL to open
13        String url = "https://j2store.net/free/";
14
15        // Open the URL
16        driver.get(url);
17
18        // Maximize
19        driver.manage().window().maximize();
20
21        // Scroll the page
22        Thread.sleep(11111);
23        JavascriptExecutor js = (JavascriptExecutor) driver;
24        js.executeScript("window.scrollTo(0, 1000)");
25
26        // Click on Clothing
27        WebElement clothingLink = driver.findElement(By.linkText("Clothing (5)"));
28        clothingLink.click();
29
30        // Get the elements in the page
31        // we can use QuerySelector
32        // Format : //tagName[@attribute='value']
33        List allElements = driver.findElements(By.xpath("//div[contains(text(),'t-shirt')]"));
34    }
35}

```

The terminal window at the bottom shows the following output:

```

Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881cfe3070709382934e3916914-refa/branch-heads/56158[#936]) on port 4787
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping Chromedriver safe.
Chromedriver was started successfully.
Simple
Variable
T-shirt1
T-shirt2
T-shirt3
T-shirt1
T-shirt4
shirt4
shirt3
FO R:\SEM 4 Training\Software Testing\Code>

```