

DAY 4 SELENIUM WEB DRIVER

Task 01: Selenium Commands

Code:

```
1 package com.selenium;
2
3 import org.openqa.selenium.WebDriver;
4
5
6
7
8 public class TEST1 {
9     public static void main(String[] args) {
10
11         System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
12         ChromeOptions co=new ChromeOptions();
13         co.addArguments("--remote-allow-origins=*");
14         WebDriver driver=new ChromeDriver(co);
15         driver.get("https://demo.opencart.com/index.php?route=account/register&language=en-gb/");
16
17     }
18 }
19 }
```

Output:

The screenshot displays the OpenCart 'Register Account' page. The main content area contains a registration form with the following sections:

- Your Personal Details:** Includes input fields for First Name, Last Name, and E-Mail, each with a red asterisk indicating a required field.
- Your Password:** Includes a Password input field with a red asterisk.
- Newsletter:** Includes a 'Subscribe' checkbox and radio buttons for 'Yes' and 'No'.

At the bottom of the form, there is a checkbox for 'I have read and agree to the Privacy Policy' and a blue 'Continue' button.

The right sidebar contains a vertical list of links: Login, Register, Forgotten Password, My Account, Address Book, Wish List, Order History, Downloads, Subscriptions, Reward Points, Returns, Transactions, and Newsletter.

The top navigation bar includes the OpenCart logo, a search bar, and a shopping cart icon showing '0 item(s) - \$0.00'. The top right corner displays the currency as '\$', a user ID '123456789', and links for 'My Account', 'Wish List (0)', 'Shopping Cart', and 'Checkout'.

Task 02: Locators

Code:

```
*TEST2.java x
1 package com.selenium;
2
3 import org.openqa.selenium.By;
4
5
6
7
8
9
10
11 public class TEST2 {
12     public static void main(String[] args) {
13         // TODO Auto-generated method stub
14         //WebDriverManager.chromedriver
15         System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
16         ChromeOptions co=new ChromeOptions();
17         co.addArguments("--remote-allow-origins=*");
18         WebDriver driver=new ChromeDriver(co);
19         driver.get("https://demo.opencart.com/index.php?route=account/register&language=en-gb/");
20         WebElement fname=driver.findElement(By.id("input-firstname"));
21         fname.sendKeys("firstname");
22         WebElement lname=driver.findElement(By.id("input-lastname"));
23         lname.sendKeys("lastname");
24         WebElement email=driver.findElement(By.id("input-email"));
25         email.sendKeys("email");
26         WebElement password=driver.findElement(By.id("input-password"));
27         password.sendKeys("password");
28         JavascriptExecutor js=(JavascriptExecutor)driver;
29         js.executeScript("window.scrollTo(0,250)", "");
30         WebElement yesbutton=driver.findElement(By.id("input-newsletter-yes"));
31         yesbutton.click();
32
33         |
34     }
35 }
36
```

Output:

Chrome is being controlled by automated test software.

\$ Currency ▼ 123456789 My Account ▼ Wish List (0) Shopping Cart Checkout

opencart .7 Search 0 item(s) - \$0.00

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Account Register

Register Account

If you already have an account with us, please login at the login page.

Your Personal Details

* First Name

* Last Name

* E-Mail

Your Password

* Password

Newsletter

Subscribe ☐ Yes ☒ No

☐ I have read and agree to the [Privacy Policy](#)

Login

Register

Forgotten Password

My Account

Address Book

Wish List

Order History

Downloads

Subscriptions

Reward Points

Returns

Transactions

Newsletter

Task 03: Locators Using xpath:

Code:

```

1 package com.selenium;
2
3 import org.openqa.selenium.By;
4
5
6
7
8
9
10
11 public class TEST3 {
12     public static void main(String[] args) {
13
14         System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
15         ChromeOptions co=new ChromeOptions();
16         co.addArguments("--remote-allow-origins=*");
17         WebDriver driver=new ChromeDriver(co);
18         driver.get("https://demo.opencart.com/index.php?route=checkout/voucher&language=en-gb");
19         WebElement rname=driver.findElement(By.xpath("//*[@id=\"input-to-name\"]"));
20         rname.sendKeys("recipient name");
21         WebElement email=driver.findElement(By.xpath("//*[@id=\"input-to-email\"]"));
22         email.sendKeys("recipient email");
23         WebElement yname=driver.findElement(By.xpath("//*[@id=\"input-from-name\"]"));
24         yname.sendKeys("your name");
25         WebElement yemail=driver.findElement(By.xpath("//*[@id=\"input-from-email\"]"));
26         yemail.sendKeys("your email");
27         WebElement daybutton=driver.findElement (By.xpath("//*[@id=\"input-theme-7\"]"));
28         daybutton.click();
29         WebElement message=driver.findElement(By.xpath("//*[@id=\"input-message\"]"));
30         message.sendKeys("messages are many");
31         WebElement amount=driver.findElement(By.xpath("//*[@id=\"input-amount\"]"));
32         amount.sendKeys("11 is enough");
33
34     }
35 }
36 }

```

Output:

Chrome is being controlled by automated test software.

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Account Gift Certificate

Purchase a Gift Certificate

This gift certificate will be emailed to the recipient after your order has been paid for.

* Recipient's Name

* Recipient's e-mail

* Your Name

* Your e-mail

* Gift Certificate Theme ☒ Birthday
☐ Christmas
☐ General

Message

* Amount

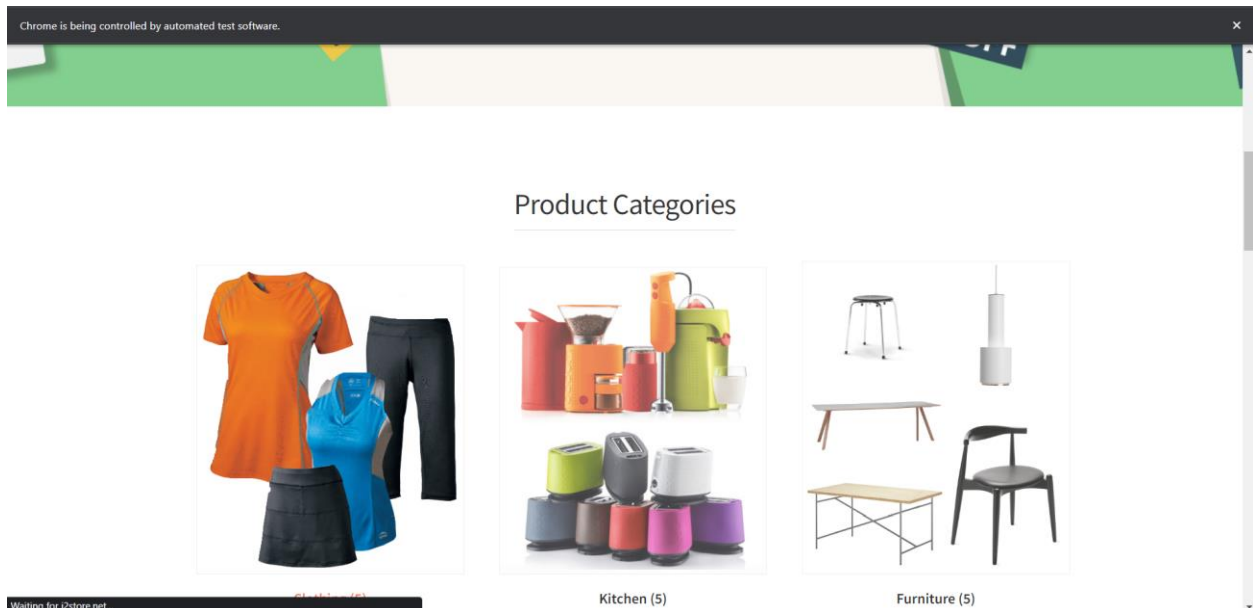
☐ I understand that gift certificates are non-refundable

Task 04: Web Navigation Commands:

Code:

```
TEST4.java x
1 package com.selenium;
2
3
4
5 import org.openqa.selenium.By;
6
7
8
9
10
11
12 public class TEST4 {
13
14     public static void main(String[] args) {
15
16
17
18
19         System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
20
21         ChromeOptions co=new ChromeOptions();
22         co.addArguments("--remote-allow-origins=*");
23         WebDriver driver=new ChromeDriver(co);
24         driver.get("https://j2store.net/free/");
25         WebElement clothing=driver.findElement(By.xpath("//*[@id=\"Mod112\"]//div/div/ul/li[1]"));
26         clothing.click();
27         driver.manage().window().maximize();
28         driver.navigate().back();
29         driver.navigate().forward();
30         driver.navigate().refresh();
31         driver.close();
32
33     }
34 }
```

Output:



Task 05: Web Driver Commands

Code (i):

```

1  TEST4.java  TEST5.java x
2
3  50 import org.openqa.selenium.By;
4
5  10
6  11
7  12 public class TEST5i {
8  13
9  14
10 15 public static void main(String[] args) {
11 16
12 17
13 18     System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
14 19
15 20     ChromeOptions co=new ChromeOptions();
16 21     co.addArguments("--remote-allow-origins=*");
17 22     WebDriver driver=new ChromeDriver(co);
18 23     driver.get("https://j2store.net/free/");
19 24     String url1=driver.getCurrentUrl();
20 25     if(url1.equals("https://j2store.net/free/"));
21 26     {
22 27         System.out.println("Url validated");
23 28     }
24 29     WebElement clothing=driver.findElement(By.xpath("//*[@id=\"Mod112\"]/div/div/ul/li[1]"));
25 30     clothing.click();
26 31     url1=driver.getCurrentUrl();
27 32     if(url1.equals("https://j2store.net/free/index.php/shop?filter_catid=11"));
28 33     {
29 34         System.out.println("Url validated");
30 35     }
31 36 }
32 37
33 38 }

```

Output (i):

```

Output: see https://www.selenium.org/WebDriver/ for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914-refs/branch-heads/56150{#936}) on port 32013
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Url validated
Url validated

```

Code(ii):

```

1  TEST5.java  *TEST5ii.java x
2
3  1 package com.selenium;
4
5  2
6  30 import java.util.List;
7
8  11
9  12 public class TEST5ii {
10 13 public static void main(String[] args) throws InterruptedException {
11 14
12 15
13 16     System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
14 17
15 18
16 19     ChromeOptions co=new ChromeOptions();
17 20     co.addArguments("--remote-allow-origins=*");
18 21     WebDriver driver=new ChromeDriver(co);
19 22     driver.get("https://j2store.net/free/");
20 23     driver.manage().window().maximize();
21 24     JavascriptExecutor js=(JavascriptExecutor)driver;
22 25     js.executeScript("window.scrollTo(0,1000)", "");
23 26     driver.findElement(By.linkText("Clothing (5)")).click();
24 27     Thread.sleep(5000);
25 28     List<WebElement> l1=driver.findElements(By.xpath("//h2[@class='product-title']"));
26 29     for(WebElement link:l1){
27 30         System.out.println(link.getText());
28 31     }
29 32
30 33
31 34 }
32 35
33 36
34 37 }
35 38
36 39
37 40
38 41
39 42

```

Output(ii):

