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M.C.A Semester – III

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Subject :	MCAL35 Software Testing & Quality Assurance Lab
Module:	3
Date:	14-10-2022

Q. 1) Implement Action Demo on <https://opensource-demo.orangehrmlive.com/> (Add admin user using automation tool) using Selenium webdriver.

Source code:

package DemoPrograms;

import java.util.List;

import java.util.concurrent.TimeUnit;

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.interactions.Actions;

import org.openqa.selenium.support.ui.ExpectedCondition;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;

public class ActionDemo {

 public static void main(String[] args) {

 // Action demo- hovering mouse cursore on menu items

 System.setProperty("webdriver.chrome.driver", "D:\\\\Selinum\\\\chromedriver.exe");

 WebDriver wd= new ChromeDriver();

 wd.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");



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```
wd.manage().window().maximize();
```

```
wd.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
wd.findElement(By.name("username")).sendKeys("Admin");
wd.findElement(By.name("password")).sendKeys("admin123");
wd.findElement(By.cssSelector("button[type=submit]")).click();
```

```
//Explicit wait
```

```
//      WebDriverWait wt = new WebDriverWait(wd,10);
//
wt.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"app\"]/div[1]/div[1]/header/div[1]/div[2]/ul/li/span/p")));
//
wd.findElement(By.xpath("//*[@id=\"app\"]/div[1]/div[1]/header/div[1]/div[2]/ul/li/ul/li[4]/a"));
//      wd.findElement(By.linkText("Logout")).click();
      Actions act = new Actions(wd);
      List<WebElement> menu =
wd.findElements(By.className("oxd-main-menu-item-wrapper"));
      for(int i=0;i<=menu.size()-1;i++)
      {
          System.out.println(menu.get(i).getText());
          act.moveToElement(menu.get(i)).perform();
      }
      /**
      System.out.println("=====");

wd.findElement(By.xpath("//*[@id=\"app\"]/div[1]/div[1]/aside/nav/div[2]/ul/li[1]/a/span")).click();
      List<WebElement> submenu =
wd.findElements(By.className("oxd-topbar-body-nav-tab-item"));
      for(int i=0;i<=submenu.size()-1;i++)
      {
          System.out.println(submenu.get(i).getText());
          act.moveToElement(submenu.get(i)).perform();
```



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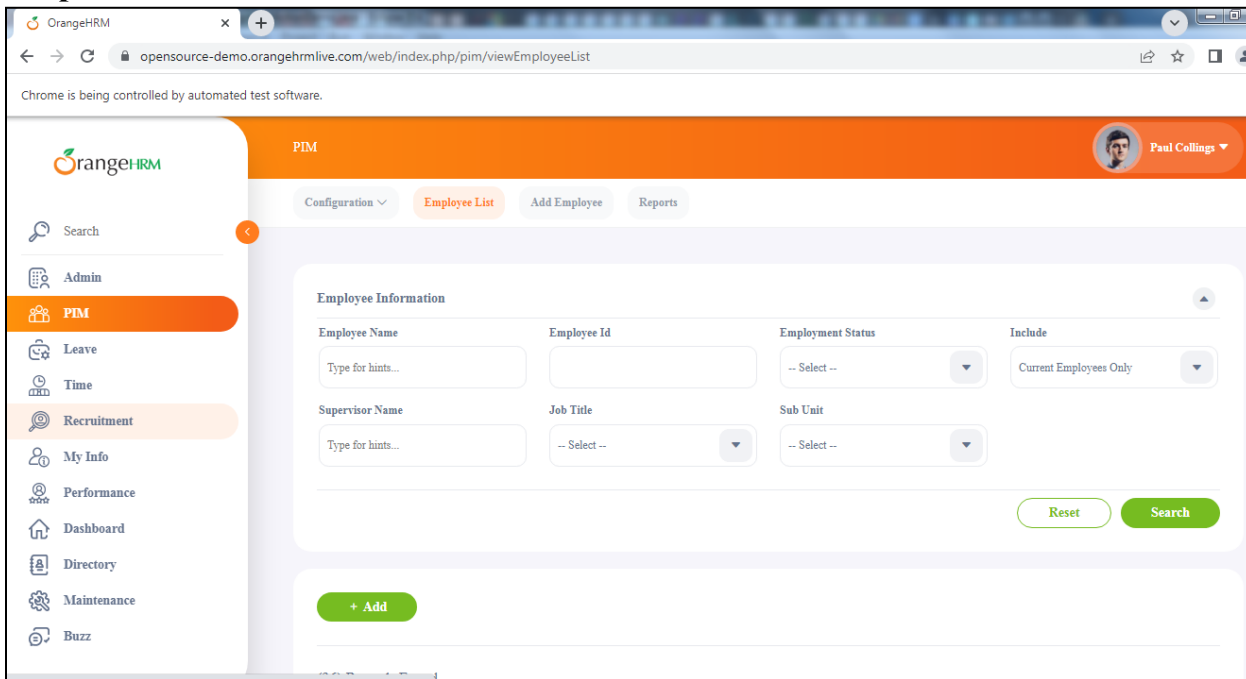
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}

```
wd.findElement(By.xpath("//*[@id='app']/div[1]/div[1]/header/div[1]/div[2]/ul/li/span/p")).click();
wd.findElement(By.linkText("Logout")).click();
wd.quit();
}
}
```

Output:





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```
Console X
<terminated> ActionDemo [Java Application] C:\Users\helpdesk\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.
Starting ChromeDriver 105.0.5195.52 (412c95e518836d8a7d97250d62b29c2ae6a26a85-refs/branch-heads/105@{#})
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on
ChromeDriver was started successfully.
[1665126048.786][WARNING]: This version of ChromeDriver has not been tested with Chrome
Oct 07, 2022 12:30:49 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Admin
PIM
Leave
Time
Recruitment
My Info
Performance
Dashboard
Directory
Maintenance
Buzz
=====
User Management
Job
Organization
Qualifications
Nationalities
Corporate Branding
Configuration
```

Q. 2) Implement alert demo on website <http://frontaccounting.squadinfotech.in/index.php> using Selenium webdriver. (Username: frontuser1, Password: frontuser1, and Company: Squad_MT_OL-191)

Source code:

```
package DemoPrograms;
```

```
import java.util.concurrent.TimeUnit;
```

```
import org.openqa.selenium.Alert;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;
```



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```
import org.openqa.selenium.chrome.ChromeDriver;

public class AlertDemo {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "D:\\Selenium\\chromedriver.exe");
        WebDriver wd= new ChromeDriver();
        wd.get("http://frontaccounting.squadinfotech.in/");
        wd.manage().window().maximize();

        wd.findElement(By.name("user_name_entry_field")).sendKeys("frontuser1");
        wd.findElement(By.name("password")).sendKeys("frontuser1");

        wd.findElement(By.xpath("//*[ @id=\"_page_body\"]/form/center[1]/table/tbody/tr[5]/td[2]/select/option[15]")).click();
        wd.findElement(By.xpath("//*[ @id=\"_page_body\"]/form/center[2]/input")).click();

        wd.findElement(By.linkText("Direct Delivery")).click();

        wd.findElement(By.name("CancelOrder")).click();

        Alert alt = wd.switchTo().alert();
        System.out.println("Alert text ==>" +alt.getText());
        Thread.sleep(5000);
        alt.accept();
        ///alt.dismiss();
        wd.findElement(By.linkText("Logout")).click();
        wd.close();
    }
}
```



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Output:

Direct Sales Delivery

frontaccounting.squadinfotech.in/sales/sales_order_entry.php?NewDelivery=0

Chrome is being controlled by automated test software.

frontaccounting.squadinfotech.in says
You are about to void this Document.
Do you want to continue?

OK Cancel

Sales Purchases Items and Inventory Manufacturing Fixed Assets

Squad_MT_191 | frontaccounting.squadinfotech.in | Front Accounting User1

Direct Sales Delivery

Customer: Donald Easter Current Credit: 41,234.75 Payment: Cash Only Delivery Date: 10/07/2022
Branch: Canada Customer Discount: 0% Price List: Retail Dimension:
Reference: 232/2022

Item Code	Item Description	Quantity	Unit	Price after Tax	Discount %	Total
	iPhone 6 64GB	1	each	250.00	0.0	250.00
Shipping Charge						0.00
Sub-total						0.00
Amount Total						0.00

Cash payment

Deliver from Location: Nenu
Cash account: Petty Cash account
Comments:

Place Delivery Cancel Delivery

Back

```
Console X
<terminated> AlertDemo [Java Application] C:\Users\helpdesk\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v202202
Starting ChromeDriver 105.0.5195.52 (412c95e518836d8a7d97250d62b29c2ae6a26a85-refs/branch-heads/5195@{#853}) on
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe
ChromeDriver was started successfully.
[1665128075.816][WARNING]: This version of ChromeDriver has not been tested with Chrome version 106.
Oct 07, 2022 1:04:35 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Alert text ==>You are about to void this Document.
Do you want to continue?
```

Q. 3) Implement window handling demo on website <http://frontaccounting.squadinfotech.in/index.php> using Selenium webdriver.

Source code:

package DemoPrograms;

import java.util.Set;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;



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```
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class WindowHandlingDemo {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub

        System.setProperty("webdriver.chrome.driver", "D:\\Selenium\\chromedriver.exe");
        WebDriver wd= new ChromeDriver();
        wd.get("http://frontaccounting.squadinfotech.in/");
        wd.manage().window().maximize();
        wd.findElement(By.name("user_name_entry_field")).sendKeys("frontuser1");
        wd.findElement(By.name("password")).sendKeys("frontuser1");

        wd.findElement(By.xpath("//*[@id=\"_page_body\"]/form/center[1]/table/tbody/tr[5]/td[2]/select/option[15]")).click();
        wd.findElement(By.name("SubmitUser")).click();
        Thread.sleep(2000);

        //Sales Quotation Entry
        wd.findElement(By.partialLinkText("uotation Entry")).click();
        String Pid = wd.getWindowHandle(); //Getting id of the current window
        System.out.println("Parent Window--> "+Pid);

        wd.findElement(By.xpath("//*[@id=\"_page_body\"]/form/center[1]/table/tbody/tr/td[2]/table/tbody/tr[1]/td[2]/a")).click();

        Set<String> allwin = wd.getWindowHandles();
        for(String W:allwin)
        {
            wd.switchTo().window(W);
            System.out.println(wd.getTitle());
            Thread.sleep(1000);
        }
    }
}
```

```

if(!W.equals(Pid))
{
    Select ss =new Select(wd.findElement(By.id("customer_id")));
    ss.selectByIndex(0);
    Thread.sleep(1000);
    wd.manage().window().maximize();
    wd.close();
}
}
wd.switchTo().window(Pid);
wd.findElement(By.linkText("Logout")).click();
wd.close();
}
}

```

Output:

Customer Transactions - Google Chrome

Not secure | frontaccounting.squadinfotech.in/sales/inquiry/customer_inquiry.php?customer_id=1

Chrome is being controlled by automated test software.

Select a customer: All Customers | All Types | From: 09/14/2022 | To: 10/14/2022 | Zero values | Search

Type	#	Order	Reference	Date	Due Date	Customer	Branch	Currency	Amount			
Sales Invoice	9	108	004/2022	09/28/2022	09/28/2022	Donald Easter LLC	Canada - Donald Easter LLC	USD	278.25			
Sales Invoice	10	112	005/2022	09/28/2022	09/28/2021	Donald Easter LLC	Canada - Donald Easter LLC	USD	10.50			
Sales Invoice	11	105	006/2022	09/28/2022	09/28/2022	Donald Easter LLC	Canada - Donald Easter LLC	USD	257.25			
Sales Invoice	12	103	007/2022	09/29/2022	10/17/2022	MoneyMaker Ltd.	New Jersey - MoneyMaker Ltd.	EUR	50.00			
Sales Invoice	13	103	008/2022	09/29/2022	10/17/2022	MoneyMaker Ltd.	New Jersey - MoneyMaker Ltd.	EUR	673.34			
Sales Invoice	14	113	009/2022	09/29/2022	09/30/2020	Donald Easter LLC	Canada - Donald Easter LLC	USD	270.00			
Sales Invoice	15	114	010/2022	09/29/2022	09/30/2020	Donald Easter LLC	Canada - Donald Easter LLC	USD	388.50			
Sales Invoice	16	107	011/2022	09/29/2022	09/01/2020	Donald Easter LLC	Canada - Donald Easter LLC	USD	65.00			
Sales						Donald Easter	Canada - Donald					



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```
Console X
<terminated> WindowHandlingDemo [Java Application] C:\Users\helpdesk\.p2\pool\plugins\org.eclipse.just
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerat
ChromeDriver was started successfully.
[1665729894.933][WARNING]: This version of ChromeDriver has not
Oct 14, 2022 12:14:55 PM org.openqa.selenium.remote.ProtocolHand
INFO: Detected dialect: W3C
Parent Window--> CDwindow-18487D00DDA0CD4A7E6F1B762AC657DD
New Sales Quotation Entry
Customer Transactions
```