# Task 1

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Try to use contains , xpath axes, text functions

Write a minimum 3 XPath and 3 CSS Selector for the username

Write a minimum 3 XPath and 3 CSS Selector for the password

Write a minimum 3 XPath and 3 CSS Selector for the login button

package assignment6;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Task1 {

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

WebDriver driver = new ChromeDriver();

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

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

Thread.sleep(3000);

// for Username: using x-path

WebElement userName1 = driver.findElement(By.xpath("//input[@name='username']"));

WebElement userName2 = driver.findElement(By.xpath("//input[contains(@name,'username')]"));

WebElement userName3 = driver

.findElement(By.xpath("//label[text()='Username']//parent::div//following-sibling::div//input"));

// for Username: using cssSelector

WebElement userName4 = driver.findElement(By.cssSelector("input[name='username']"));

WebElement userName5 = driver.findElement(By.cssSelector("input[placeholder\*='Username']"));

WebElement userName6 = driver

.findElement(By.cssSelector("div[class\*='oxd-input-group'] div:nth-child(2) input[name=username]"));

// for Password: using x-path

WebElement password1 = driver.findElement(By.xpath("//input[@name='password']"));

WebElement password2 = driver.findElement(By.xpath("//input[contains(@name,'password')]"));

WebElement password3 = driver

.findElement(By.xpath("//label[text()='Password']//parent::div//following-sibling::div//input"));

// for Username: using cssSelector

WebElement password4 = driver.findElement(By.cssSelector("input[name='password']"));

WebElement password5 = driver.findElement(By.cssSelector("input[placeholder\*='password']"));

WebElement password6 = driver

.findElement(By.cssSelector("div[class\*='oxd-input-group'] div:nth-child(2) input[name=password]"));

// for LOgin: using x-path

WebElement login1 = driver.findElement(By.xpath("//button[text()=' Login ']"));

WebElement login2 = driver.findElement(By.xpath("//div[contains(@class,'orangehrm-login-action')]/button"));

WebElement login3 = driver.findElement(By.xpath("//button[contains(@class,'orangehrm-login-button')]"));

// for LOgin: using CssSelector

WebElement login4 = driver.findElement(By.cssSelector("button[class\*='orangehrm-login-button']"));

WebElement login5 = driver.findElement(By.cssSelector("div[class\*='orangehrm-login-action']>button"));

WebElement login6 = driver.findElement(By.cssSelector("button[type='submit']"));

}

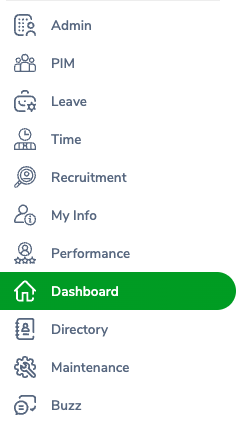
}

# Task 2

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

admin/admin123

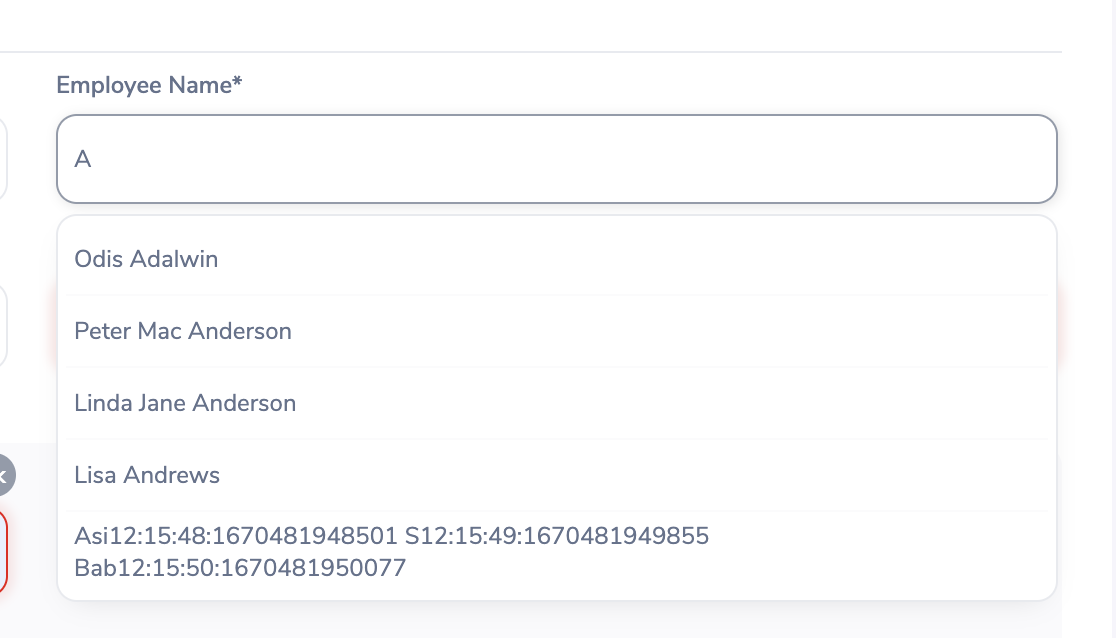
Write dynamic xpath which should match all below elements



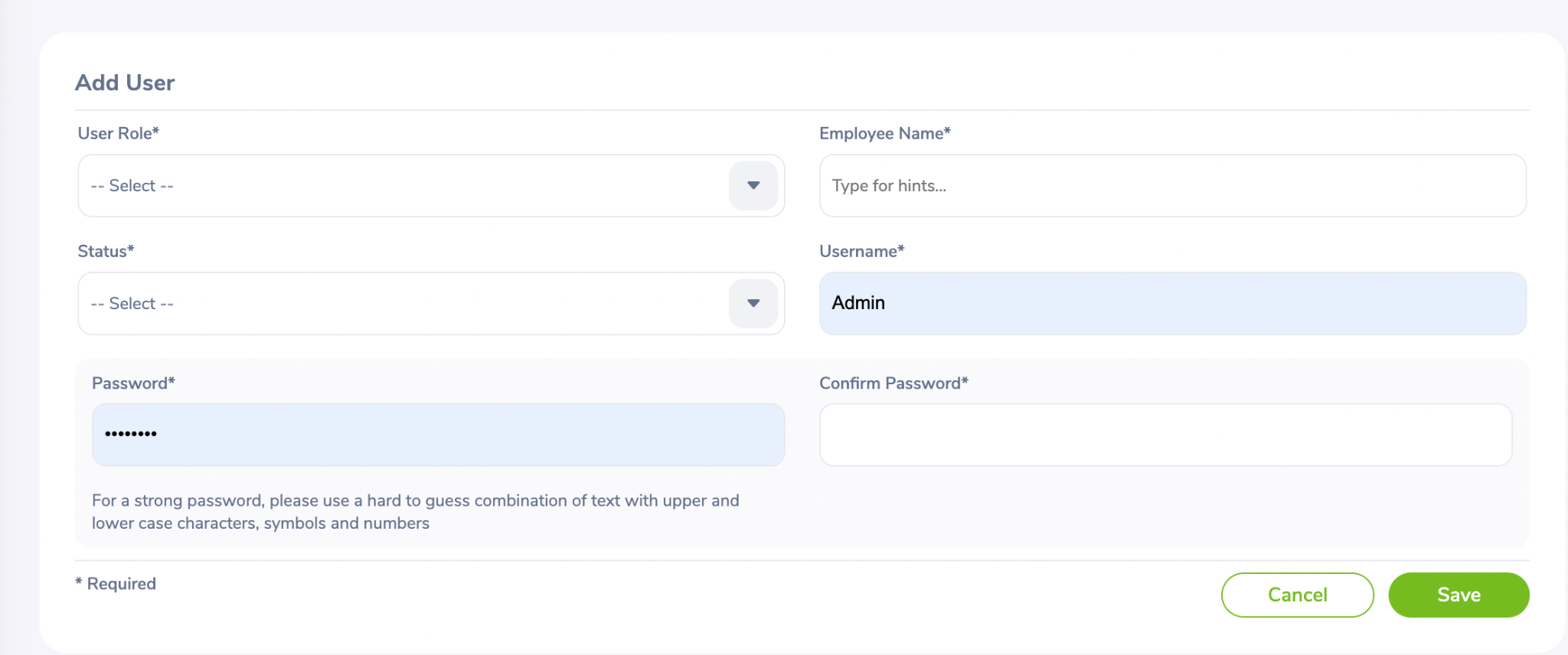
Click on Admin Tab

Click on Add button

Type A in employee name and write XPath which matches all element in suggestions



Write xpath (min 3 and max no limit) for all elements under Add User section



package assignment6;

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;

public class Task2 {

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

WebDriver driver = new ChromeDriver();

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

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

Thread.sleep(3000);

// for Username: using x-path

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

password.sendKeys("admin123");

WebElement login1 = driver.findElement(By.xpath("//button[text()=' Login ']"));

login1.click();

Thread.sleep(3000);

// Write dynamic xpath which should match all below elements

List<WebElement> allElements = driver.findElements(By.xpath("//ul[@class='oxd-main-menu']//li//span"));

for(WebElement ele:allElements) {

System.out.println(ele.getText());

if(ele.getText().equals("Admin")) {

ele.click();

Thread.sleep(3000);

break;

}

}

// Click on Add button

driver.findElement(By.xpath("//button[text()=' Add ']")).click();

Thread.sleep(3000);

// Type A in employee name and write XPath which matches all element in suggestions

driver.findElement(By.xpath("//input[contains(@placeholder,'Type for hints')]")).sendKeys("A");

Thread.sleep(1500);

List<WebElement> searchReccords = driver.findElements(By.xpath("//div[@role='listbox']//span"));

for(WebElement record :searchReccords) {

System.out.println(record.getText());

}

WebElement userRole1 = driver.findElement(By.xpath("//label[text()='Status']//parent::div//following-sibling::div//div[text()='-- Select --']"));

WebElement userRole2 =driver.findElement(By.xpath("(//div[text()='-- Select --'])[1]"));

WebElement userRole3= driver.findElement(By.xpath("(//div[contains(@class,'oxd-select-text-input')])[1]"));

WebElement status1 = driver.findElement(By.xpath("//label[text()='User Role']//parent::div//following-sibling::div//div[text()='-- Select --']"));

WebElement status2 =driver.findElement(By.xpath("(//div[text()='-- Select --'])[2]"));

WebElement status3= driver.findElement(By.xpath("(//div[contains(@class,'oxd-select-text-input')])[2]"));

WebElement searchEmployeeName = driver.findElement(By.xpath("//input[contains(@placeholder,'Type for hints')]"));

WebElement searchEmployeeName1 = driver.findElement(By.xpath("//label[text()='Employee Name']//parent::div//following-sibling::div//input[contains(@placeholder,'Type for hints')]"));

WebElement searchEmployeeName2=driver.findElement(By.xpath("//div[@class='oxd-autocomplete-wrapper']//input[contains(@placeholder,'Type for hints')]"));

WebElement userName1=driver.findElement(By.xpath("(//input[@class='oxd-input oxd-input--active'])[2]"));

WebElement userName2=driver.findElement(By.xpath("//label[text()='Username']//parent::div//following-sibling::div//input"));

WebElement userName3=driver.findElement(By.xpath("//div//label[text()='Username']//parent::div//following-sibling::div//input"));

WebElement userName4=driver.findElement(By.xpath("(//input[@autocomplete='off'])[1]"));

WebElement password1=driver.findElement(By.xpath("(//input[@class='oxd-input oxd-input--active'])[3]"));

WebElement password2=driver.findElement(By.xpath("//label[text()='Password']//parent::div//following-sibling::div//input"));

WebElement password3=driver.findElement(By.xpath("//div//label[text()='Password']//parent::div//following-sibling::div//input"));

WebElement password4=driver.findElement(By.xpath("(//input[@autocomplete='off'])[2]"));

WebElement confirmPassword1=driver.findElement(By.xpath("(//input[@class='oxd-input oxd-input--active'])[4]"));

WebElement confirmPassword2=driver.findElement(By.xpath("//label[text()='Confirm Password']//parent::div//following-sibling::div//input"));

WebElement confirmPassword3=driver.findElement(By.xpath("//div//label[text()='Confirm Password']//parent::div//following-sibling::div//input"));

WebElement confirmPassword4=driver.findElement(By.xpath("(//input[@autocomplete='off'])[3]"));

WebElement cancelBtn1=driver.findElement(By.xpath("//button[text()=' Cancel ']"));

WebElement cancelBtn2=driver.findElement(By.xpath("//p//following-sibling::button[1]"));

WebElement cancelBtn3=driver.findElement(By.xpath("//div[@class='oxd-form-actions']//button[1]"));

WebElement saveBtn1=driver.findElement(By.xpath("//button[text()=' Save ']"));

WebElement saveBtn2=driver.findElement(By.xpath("//p//following-sibling::button[2]"));

WebElement saveBtn3=driver.findElement(By.xpath("//div[@class='oxd-form-actions']//button[2]"));

driver.quit();

}

}

# Task 3

Write a script that should be able to add user > search user > delete the user.

Flow- Login > Admin> Add User> Search User > Delete User > Logout

Add an assertion after each section

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Admin/admin123

**Note: Not able to handled Toaster message after Adding and deleting user**

**package** assignment6;

**import** java.util.List;

**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.interactions.Actions;

**public** **class** Task3 {

// Flow- Login > Admin> Add User> Search User > Delete User > Logout

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

WebDriver driver = **new** ChromeDriver();

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

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

Thread.*sleep*(3000);

// for UserName: using x-path

WebElement userName = driver.findElement(By.*xpath*("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement password = driver.findElement(By.*xpath*("//input[@name='password']"));

password.sendKeys("admin123");

WebElement login1 = driver.findElement(By.*xpath*("//button[text()=' Login ']"));

login1.click();

Thread.*sleep*(3000);

// Write dynamic X-path which should match all below elements

List<WebElement> allElements = driver.findElements(By.*xpath*("//ul[@class='oxd-main-menu']//li//span"));

**for**(WebElement ele:allElements) {

System.***out***.println(ele.getText());

**if**(ele.getText().equals("Admin")) {

ele.click();

Thread.*sleep*(3000);

**break**;

}

}

// Click on Add button

driver.findElement(By.*xpath*("//button[text()=' Add ']")).click();

Thread.*sleep*(3000);

WebElement userRole1 = driver.findElement(By.*xpath*("//label[text()='User Role']//parent::div//following-sibling::div//div[text()='-- Select --']"));

userRole1.click();

Thread.*sleep*(2000);

List<WebElement> listUsrRole = driver.findElements(By.*xpath*("//div[@role='listbox']//div//span"));

**for**(WebElement userRole : listUsrRole) {

**if**(userRole.getText().equals("Admin")) {

userRole.click();

**break**;

}

}

// Type A in employee name and write XPath which matches all element in suggestions

WebElement employeeName=driver.findElement(By.*xpath*("//input[contains(@placeholder,'Type for hints')]"));

employeeName.sendKeys("p");

Thread.*sleep*(1500);

Actions action = **new** Actions(driver);

List<WebElement> searchRecords = driver.findElements(By.*xpath*("//div[@role='listbox']/div/span"));

**for**(WebElement record :searchRecords) {

System.***out***.println(record.getText());

**if**(record.getText().contains("Peter Mac Anderson")) {

action.moveToElement(record).click().build().perform();

**break**;

}

}

WebElement status1 = driver.findElement(By.*xpath*("//label[text()='Status']//parent::div//following-sibling::div//div[text()='-- Select --']"));

status1.click();

Thread.*sleep*(2000);

List<WebElement> listStatus = driver.findElements(By.*xpath*("//div[@role='listbox']//div//span"));

**for**(WebElement status:listStatus) {

**if**(status.getText().equals("Enabled")) {

status.click();

**break**;

}

}

WebElement userName2=driver.findElement(By.*xpath*("//label[text()='Username']//parent::div//following-sibling::div//input"));

userName2.sendKeys("ashish.sahu");

WebElement password1=driver.findElement(By.*xpath*("//label[text()='Password']//parent::div//following-sibling::div//input"));

password1.sendKeys("Qwer@1234");

Thread.*sleep*(1000);

WebElement confirmPassword1=driver.findElement(By.*xpath*("//label[text()='Confirm Password']//parent::div//following-sibling::div//input"));

confirmPassword1.sendKeys("Qwer@1234");

Thread.*sleep*(1000);

WebElement saveBtn1=driver.findElement(By.*xpath*("//div[@class='oxd-form-actions']//button[.=' Save ']"));

action.moveToElement(saveBtn1).click().build().perform();

//saveBtn1.click();

Thread.*sleep*(5000);

// WebElement successFullMsg=driver.findElement(By.xpath("//div[@id='oxd-toaster\_1']//div[contains(@class,'oxd-toast-start')]//p[2]"));

// if(successFullMsg.getText().contains("Successfully Saved")) {

// System.out.println("User added successfully: "+successFullMsg.getText());

// }

// else {

// System.out.println("User not added successfully");

// }

WebElement searchUserName = driver.findElement(By.*xpath*("//label[normalize-space()='Username']/parent::div//following-sibling::div/input"));

searchUserName.sendKeys("ashish.sahu");

WebElement searchBtn =driver.findElement(By.*xpath*("//button[normalize-space()='Search']"));

action.moveToElement(searchBtn).click().build().perform();

Thread.*sleep*(2000);

JavascriptExecutor js = (JavascriptExecutor) driver;

WebElement userStatus = driver.findElement(By.*xpath*("//div[@role='table']//div[@class='oxd-table-card']//div[contains(text(),'ashish.sahu')]"));

js.executeScript("arguments[0].scrollIntoView(true);", userStatus);

System.***out***.println("User is Present :"+userStatus.isDisplayed());

WebElement checkBox = driver.findElement(By.*xpath*("//div[contains(text(),'ashish.sahu')]/parent::div/preceding-sibling::div//span"));

checkBox.click();

Thread.*sleep*(2000);

WebElement deleteBtn = driver.findElement(By.*xpath*("//button[text()=' Delete Selected ']"));

System.***out***.println("Deleted button is displayed: "+deleteBtn.isDisplayed());

deleteBtn.click();

Thread.*sleep*(2000);

WebElement popMsg = driver.findElement(By.*xpath*("//div[@role='document']//p[contains(@class,'--card-body')]"));

System.***out***.println(popMsg.getText());

WebElement popUpDeleteBtn = driver.findElement(By.*xpath*("//div[@role='document']//button[text()=' Yes, Delete ']"));

popUpDeleteBtn.click();

//

// WebElement successFullDeleteMsg=driver.findElement(By.xpath("//div[@id='oxd-toaster\_1']//div[contains(@class,'oxd-toast-start')]//p[2]"));

// if(successFullDeleteMsg.getText().contains("Successfully Deleted")) {

// System.out.println("User Deleted successfully: "+successFullDeleteMsg.getText());

// }

// else {

// System.out.println("User not Deleted successfully");

// }

**if**(driver.findElements(By.*xpath*("//div[@role='table']//div[@class='oxd-table-card']//div[contains(text(),'ashish.sahu')]")).isEmpty()) {

System.***out***.println("User is Deleted");

}**else** {

System.***out***.println("User is not deleted");

}

WebElement serProfiledDrpDn = driver.findElement(By.*xpath*("//span[@class='oxd-userdropdown-tab']"));

serProfiledDrpDn.click();

WebElement logOutBtn =driver.findElement(By.*xpath*("//a[text()='Logout']"));

logOutBtn.click();

WebElement brandName = driver.findElement(By.*xpath*("//div[@class='orangehrm-login-branding']/img"));

**if**(brandName.isDisplayed()) {

System.***out***.println("User has successfully Logged Out.");

}

**else** {

System.***out***.println("User has not successfully Logged Out.");

}

driver.quit();

}

}