

SELENIUM ASSESSMENT-3 - FISERV - Trainer Sagar

Note: 1. All Locators Should be written either xpath (or) CSS Selectors
2. Do not use any Thread.sleep() method
3. Create a Excel file somewhere in your project with below information

- a. browserName: Chrome
- b. URL: <https://automationteste-trials710.orangehrmlive.com/>

(OR)

<https://automationdata-trials710.orangehrmlive.com>

- c. Keep the UserName as "Admin"
- d. Keep the pwd as "Admin@123"
- e. Keep the EmployeeName column as Empty initially

4. Remaining all other fields data in below test case can use directly

* Required

1. Name :

Batch No: *

Rahul Chauhan Batch 2

2. 1. Read the Data for browserName from Excel file , If BrowserName is Chrome
Add the below arguments to the Chrome Options class and Initialize the
WebDriver
 - (i). incognito mode
 - (ii). By default browser should be launched in maximized window
2. Read the Data for URL from Excel file and Navigate to the Orange HRM
website
3. Read the UserName and pwd from Excel file and Using Actions class, Enter
the username and pwd
4. Login to the application using WebElement submit method
5. Verify whether Login is successful or not
6. Take the Screenshot of Orange HRM Home Page [After successful Login]
7. Click on EmployeeList using JavaScript Executor
8. On the Employee Management window first page,
 - a. Print all the Job Titles of first 50 employees [Don't print the Duplicate
duplicate Title]
 - b. Print the Location Names which has repeated more than 5 times
 - c. Print the EmployeeNames whose Job Title is "QA Engineer"
9. From the above QA Engineer Employee Names, pick anyone of the Employee
Name and Update this Employee Name into Excel file for the EmployeeName
column
10. Using the Actions class click method, click on Travel and Expense
11. Use the WebDriverWait method wait for the Add button until it is clickable
12. Click on + button
13. Select the Currency value from a drop-down

- a. Write a utility method [block of code] which can select the currency based on the input
- b. Example: If user passes INR-Indian Rupee, above block of code should select the INR-Indian Rupee from the drop-down

14. Enter the Employee Name which was picked from the 9th step

15. Click on Next button

```

package WebDriver.Assessment3_11032023;

import Utils.CommonUtils;
import org.apache.commons.io.FileUtils;
import org.apache.poi.xssf.usermodel.XSSFCell;
import org.apache.poi.xssf.usermodel.XSSFRow;
import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
import org.openqa.selenium.*;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import java.io.File;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.time.Duration;
import java.util.List;

public class Question1_Self {
    public static WebDriver driver;
    public static void main(String[] args) throws Exception{

        String projectPath = System.getProperty("user.dir");
        FileInputStream fis = new
        FileInputStream(projectPath+ "//TestData//TC1_Data.xlsx");

        XSSFWorkbook wbk = new XSSFWorkbook(fis);
        XSSFSheet sh = wbk.getSheet("OrangeHRM_Login");
        XSSFRow row = sh.getRow(1);
        XSSFCell cell1 = row.getCell(1);
        String data = cell1.getStringCellValue();
        System.out.println(data);

        if(data.equalsIgnoreCase("Chrome")) {
            ChromeOptions options = new ChromeOptions();
            options.addArguments("--incognito");
            options.addArguments("start-maximized");
            driver = new ChromeDriver(options);
        }
    }
}

```

3. 1. Use the Fluent Wait method and wait for the "Travel Request Information" to load
2. Click on Add button under the Travel Information

3. Enter the Main Destination
4. Select a Travel Period From and Travel Period To Date picker dates with below values
 - a. Develop the utility method to select a given Date for both Travel Period From and Travel Period To
 - b. Travel Period From: 10-November-2023
 - c. Travel Period To: 20-December-2023
5. Enter the Destination Address and click on Save button
6. Click on Travel Request Estimates and select the Expense Type as "Hotel"
7. Enter some random text in Remarks
8. Select the Currency paid in which is selected at [13th -b] step
9. Enter the Amount as "986500.23"
10. Select Paid By as "Staff"
11. Use the Scroll Into View method of a Java Script Executor till the ASSIGN button is visible
12. Select a Check-box of Apply for Cash Advance method
13. Enter the Apply for Cash Advance method as "452300.12"
14. Click on Assign Button
15. Click on OK button

```

XSSFCell cell5 = row.getCell(5);
    String URL_Value = cell5.getStringCellValue();

    driver.get(URL_Value);
    Actions action = new Actions(driver);
    XSSFCell cell2 = row.getCell(2);
    String UserName = cell2.getStringCellValue();
    XSSFCell cell3 = row.getCell(3);
    String UserP = cell3.getStringCellValue();
    WebElement UserID = driver.findElement(By.cssSelector("#txtUsername"));
    WebElement UserPa = driver.findElement(By.cssSelector("#txtPassword"));
    action.sendKeys(UserID,UserName).perform();
    action.sendKeys(UserPa, UserP).perform();
    WebElement LoginBtn =
driver.findElement(By.xpath("//button[@type='submit']"));
    LoginBtn.submit();

    WebElement EmpMangTitle_HomePage =
driver.findElement(By.xpath("//div[text()='Employee Management']"));
    if(EmpMangTitle_HomePage.isDisplayed()){
        System.out.println("User logged in successfully");
    }else{
        System.out.println("User is not logged in successfully");
    }

    TakesScreenshot ts = (TakesScreenshot) driver;
    File src = ts.getScreenshotAs(OutputType.FILE);
    File dest = new
File(projectPath+"//Screenshots//"+"OrangeHRM_HomePage_new.jpg");
    FileUtils.copyFile(src, dest);

    JavascriptExecutor js = (JavascriptExecutor)driver;
    WebElement EmpList_Btn =
driver.findElement(By.xpath("//div[@class='top-level-menu-item-
    "

```

```
// To print all Job Title from the list ---
    driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));
    List <WebElement> JobTitle_Col =
driver.findElements(By.xpath("//table[@id='employeeListTable']/tbody/tr/td[4]"));
    for(WebElement Job_Title:JobTitle_Col){

        String JobTitle_Value = Job_Title.getText();
        System.out.println(JobTitle_Value);
    }
    System.out.println("***** ALL JOBS TITLES ARE PRINTED *****");

    // To Print Emp Name when Job Title is QA Engineer ---

String EmpName="null";
    for(WebElement Job_Title:JobTitle_Col){
        String JobTitle_Value = Job_Title.getText();
        if(JobTitle_Value.equalsIgnoreCase("QA Engineer")){

            EmpName =
Job_Title.findElement(By.xpath("./parent::tr/td[3]")).getText();
            System.out.println(EmpName);

        }
    }
```

```

XSSFCell cell4=row.getCell(4);
    if(cell4==null){
        cell4 = row.createCell(4);
    }
    cell4.setCellValue(EmpName);

    FileOutputStream fos = new
FileOutputStream(projectPath+"//TestData//TC1_Data.xlsx");
    wbk.write(fos);
    System.out.println(EmpName+ " is written into excel sheet");

    WebElement Travel_Expense_Link = driver.findElement(By.xpath("//a[@data-
tooltip='Travel and Expense'][1]"));
    action.click(Travel_Expense_Link).perform();
    //WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(40));

//wait.until(ExpectedConditions.elementToBeClickable(driver.findElement(By.xpath(
"//a[@id='addItemBtn']/i[text()='add']")))).click();

//wait.until(ExpectedConditions.elementToBeClickable(driver.findElement(By.cssSel
ector(".large.material-icons")))).click();

    //Thread.sleep(10000);
    driver.findElement(By.xpath("//a[@id='addItemBtn']/i[text()='add']")).click();
    WebElement Currency_Field =
driver.findElement(By.xpath("//div[@class='select-
wrapper']/ul[@class='dropdown-content select-dropdown']"));
    Currency_Field.click();
    CommonUtils.selectDropdown(By.xpath("//div[@class='select-
wrapper']/ul[@class='dropdown-content select-dropdown']/li", "CAD - Canadian
Dollar");
    WebElement EmpName_TravelPopup =

```



```
// Fluent Wait Condition
```

```
CommonUtils.Fluent_Wait(By.cssSelector("#ExpenseEstimate_localCurrencyName"),  
"CAD - Canadian Dollar");
```

```
    /**Wait<WebDriver> wait1 = new FluentWait<WebDriver>(driver)  
        .withTimeout(Duration.ofSeconds(30))  
        .pollingEvery(Duration.ofSeconds(1))  
        .ignoring(NoSuchElementException.class);
```

```
    String CurrecyValue = wait1.until(new Function<WebDriver, String>() {  
        public String apply(WebDriver driver) {  
            WebElement element =  
driver.findElement(By.cssSelector("#ExpenseEstimate_localCurrencyName"));  
            String elementText = element.getText();  
            if (elementText.equalsIgnoreCase("CAD - Canadian Dollar")) {  
                return elementText;  
            } else {  
                return null;  
            }  
        }  
    })
```

```
    });  
    driver.findElement(By.cssSelector("#addTravelInformationBtn")).click();  
    driver.findElement(By.xpath("Main Destination")).sendKeys("Indore");  
    WebElement TravelPeriodFrom_Field =  
driver.findElement(By.xpath("//label[text()='Travel Period From']"));  
    WebElement TravelPeriodFrom_To =  
driver.findElement(By.xpath("//label[text()='Travel Period To']"));  
    TravelPeriodFrom_Field.click();  
    //CommonUtils.selectDropdown(By.xpath("//div[@class='select-wrapper  
picker__select--month']/ul/li"), "January");  
    CommonUtils.SelectDate(15, "February", "2022");  
    TravelPeriodFrom_To.click();  
    CommonUtils.SelectDate(31, "August", "2023");  
    driver.findElement(By.xpath("//label[text()='Destination  
Address']")).sendKeys("Destination Address is added.");
```

```

CommonUtils.Fluent_Wait(By.cssSelector("#ExpenseEstimate_localCurrencyName"),
"CAD - Canadian Dollar");
    /**Wait<WebDriver> wait2 = new FluentWait<WebDriver>(driver)
        .withTimeout(Duration.ofSeconds(30))
        .pollingEvery(Duration.ofSeconds(1))
        .ignoring(NoSuchElementException.class);

    String CurrencyValue = wait2.until(new Function<WebDriver, String>() {
        public String apply(WebDriver driver) {
            WebElement element =
driver.findElement(By.cssSelector("#ExpenseEstimate_localCurrencyName"));
            String elementText = element.getText();
            if (elementText.equalsIgnoreCase("CAD - Canadian Dollar")) {
                return elementText;
            } else {
                return null;
            }
        }
    });**/

    driver.findElement(By.cssSelector("#addExpenseTypeBtn")).click();
    driver.findElement(By.xpath("//div[@class='select-wrapper
initialized']/input")).click();
    CommonUtils.selectDropdown(By.xpath("//div[@class='select-wrapper
initialized']/ul/li"), "Hotel");
    driver.findElement(By.xpath("//label[text()='Remarks']")).sendKeys("This is
Remark Section.");

    driver.findElement(By.xpath("//label[@for='estimation_currency_id']/following-
sibling::div/input")).click();

    CommonUtils.selectDropdown(By.xpath("//label[@for='estimation_currency_id']/f
ollowing-sibling::div/ul/li"), "CAD - Canadian Dollar");

    driver.findElement(By.cssSelector("#estimation_amount")).sendKeys("986500.23");

    driver.findElement(By.xpath("//label[@for='estimation_paid_by_id']/following-
sibling::div/input")).click();

```

CODE FROM CommonUtility File -----

```
public static void SelectDate (int Date, String Month, String Year){
    selectDropdown(By.xpath("//div[@class='select-wrapper picker__select--month']/ul/li"), Month);
    selectDropdown(By.xpath("//div[@class='select-wrapper picker__select--year']/ul/li"), Year);

    List<WebElement> TableRow =
driver.findElements(By.xpath("//table[@id='TravellInformation_travel_period_from_table']/tbody/tr"));
    for(WebElement Row:TableRow){
        List<WebElement> TableColumn = Row.findElements(By.xpath("./td"));
        for(WebElement Column:TableColumn){
            String DateText = Column.getText();
            int DateValue = Integer.parseInt(DateText);
            if(DateValue==Date){
                Column.click();
                break;
            }
            break;
        }
    }
}

public static void Fluent_Wait(By Locator, String ExpectedTextValue){
    Wait<WebDriver> wait1 = new FluentWait<WebDriver>(driver)
        .withTimeout(Duration.ofSeconds(30))
        .pollingEvery(Duration.ofSeconds(1))
        .ignoring(NoSuchElementException.class);

    String Value = wait1.until(new Function<WebDriver, String>() {
        public String apply(WebDriver driver) {
            WebElement element = driver.findElement(Locator);
            String elementText = element.getText();
            if (elementText.equalsIgnoreCase(ExpectedTextValue)) {
                return elementText;
            } else {
                return null;
            }
        }
    })
}
```

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