package com.ddt;

import java.io.FileInputStream;

import java.io.IOException;

import org.apache.poi.EncryptedDocumentException;

import org.apache.poi.ss.usermodel.Workbook;

import org.apache.poi.ss.usermodel.WorkbookFactory;

import org.openqa.selenium.By;

import org.openqa.selenium.StaleElementReferenceException;

//import org.openqa.selenium.StaleElementReferenceException;

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.Select;

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

public class testing1 {

public static void apply(String testCase) throws EncryptedDocumentException, IOException, InterruptedException{

FileInputStream file = new FileInputStream("E:\\Task.xlsx");

//Create new object of Workbook

final WebDriver driver =new ChromeDriver();

final Workbook wb;

wb = WorkbookFactory.create(file);

int j=0;

for(int i=0;i<wb.getSheet(testCase).getLastRowNum();i++) {

String event = wb.getSheet(testCase).getRow(i+2).getCell(j).toString().trim();

String testData = wb.getSheet(testCase).getRow(i+2).getCell(j+2).toString().trim();

switch (event) {

case "COMPONENT":

//String object1 = object1.split("-")[0].trim();

// int l=0;

String object1;

// String split1;

String event1;

// String split2;

if(testData.equalsIgnoreCase("XAPLOGIN")){

int l=0;

for(int k=0;k<4;k++){

event1 = wb.getSheet("Components").getRow(k+3).getCell(l).toString().trim();

object1 = wb.getSheet("Components").getRow(k+3).getCell(l+1).toString().trim();

String[] split1 = object1.split("-");

switch(event1) {

case "NavigateToUrl":

String url = wb.getSheet("TestData").getRow(1).getCell(0).getStringCellValue();

driver.get(url);

break;

case "EnterDataTextBox":

if(split1[1].equalsIgnoreCase("XAP\_Username")) {

int n=0;

for(int m=0;m<wb.getSheet("Objects").getLastRowNum();m++) {

String objectName = wb.getSheet("Objects").getRow(m+2).getCell(n).toString().trim();

String value = wb.getSheet("Objects").getRow(m+2).getCell(n+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

String userName = wb.getSheet("TestData").getRow(1).getCell(1).getStringCellValue();

driver.findElement(By.id(value)).sendKeys(userName);

break;

}

}

}

else if(split1[1].equalsIgnoreCase("XAP\_Password")) {

int n=0;

for(int m=0;m<wb.getSheet("Objects").getLastRowNum();m++) {

String objectName = wb.getSheet("Objects").getRow(m+2).getCell(n).toString().trim();

String value = wb.getSheet("Objects").getRow(m+2).getCell(n+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

String password = wb.getSheet("TestData").getRow(1).getCell(2).getStringCellValue();

driver.findElement(By.xpath(value)).sendKeys(password);

break;

}

}

}

break;

case "ClickButton":

if(split1[1].equalsIgnoreCase("XAP\_LoginButton")) {

int d=0;

for(int c=0;c<wb.getSheet("Objects").getLastRowNum();c++) {

String objectName = wb.getSheet("Objects").getRow(c+2).getCell(d).toString().trim();

String value = wb.getSheet("Objects").getRow(c+2).getCell(d+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

driver.findElement(By.xpath(value)).click();

break;

}

}

}

break;

case "WriteLogHeader":

break;

}

}

}

else if(testData.equalsIgnoreCase("XAPACTION")){

int l=0;

for(int k=0;k<wb.getSheet("Components").getLastRowNum();k++){

event1 = wb.getSheet("Components").getRow(k+3).getCell(l).toString().trim();

object1 = wb.getSheet("Components").getRow(k+3).getCell(l+1).toString().trim();

String[] split1 = object1.split("-");

switch(event1) {

case "MoveTo":

if(split1[1].equalsIgnoreCase("XAP\_QuickLinks")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

System.out.println(event);

System.out.println(testData);

// System.out.println(split1[0]);

// System.out.println(split1[1]);

System.out.println(event1);

System.out.println(object1);

WebElement QuickLink = driver.findElement(By.xpath(value));

Actions action = new Actions(driver);

action.moveToElement(QuickLink).perform();

Thread.sleep(2000);

break;

}

}

}

else if(split1[1].equalsIgnoreCase("XAP\_WFH")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement QuickLink\_WFH = driver.findElement(By.xpath(value));

Actions action = new Actions(driver);

action.moveToElement(QuickLink\_WFH);

//action.click();

QuickLink\_WFH.click();

break;

}

}

}

break;

case "ClickButton":

if(split1[1].equalsIgnoreCase("XAP\_APPLY")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

driver.findElement(By.xpath(value)).click();

break;

}

}

}

break;

case "Select":

if(split1[1].equalsIgnoreCase("XAP\_rqstType")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement rqstType = driver.findElement(By.xpath(value));

Select select1 = new Select(rqstType);

select1.selectByVisibleText("Work from home");

break;

}

}

}

else if(split1[1].equalsIgnoreCase("XAP\_shiftType")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement shiftTtype = driver.findElement(By.xpath(value));

Select select2 = new Select(shiftTtype);

select2.selectByVisibleText("Day");

break;

}

}

}

break;

case "Date":

if(split1[1].equalsIgnoreCase("XAP\_FROMDATE")) {

int f=0;

for(int g=0;g<wb.getSheet("Objects").getLastRowNum();g++) {

String objectName = wb.getSheet("Objects").getRow(g+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(g+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement fromDate = driver.findElement(By.xpath(value));

fromDate.click();

break;

}

}

}

else if(split1[1].equalsIgnoreCase("XAP\_TODATE")) {

int f=0;

for(int g=0;g<wb.getSheet("Objects").getLastRowNum();g++) {

String objectName = wb.getSheet("Objects").getRow(g+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(g+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement toDate = driver.findElement(By.xpath(value));

toDate.click();

break;

}

}

}

else if(split1[1].equalsIgnoreCase("Day1")) {

int f=0;

for(int g=0;g<wb.getSheet("Objects").getLastRowNum();g++) {

String objectName = wb.getSheet("Objects").getRow(g+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(g+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement day = driver.findElement(By.xpath(value));

day.click();

break;

}

}

}

else if(split1[1].equalsIgnoreCase("Day2")) {

int f=0;

for(int g=0;g<wb.getSheet("Objects").getLastRowNum();g++) {

String objectName = wb.getSheet("Objects").getRow(g+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(g+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

try {

WebElement day = driver.findElement(By.xpath(value));

day.click();

}

catch(StaleElementReferenceException e){

WebElement dayEx = driver.findElement(By.xpath(value));

dayEx = driver.findElement(By.xpath(value));

dayEx.click();

break;

}

}

}

}

break;

case "UP":

if(split1[1].equalsIgnoreCase("XAP\_UP")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement up = driver.findElement(By.xpath(value));

for(int p=0;p<=8;p++) {

up.click();

}

}

}

//break;

}

break;

default:

break;

}

}

}

else if(testData.equalsIgnoreCase("XAPAtndncVal")) {

int l=0;

for(int k=0;k<wb.getSheet("Components").getLastRowNum();k++){

event1 = wb.getSheet("Components").getRow(k+3).getCell(l).toString().trim();

object1 = wb.getSheet("Components").getRow(k+3).getCell(l+1).toString().trim();

String[] split1 = object1.split("-");

switch(event1) {

case "MoveTo":

if(split1[1].equalsIgnoreCase("XAP\_QuickLinks")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement QuickLink = driver.findElement(By.xpath(value));

Actions action = new Actions(driver);

action.moveToElement(QuickLink).perform();

Thread.sleep(1000);

break;

}

}

}

else if(split1[1].equalsIgnoreCase("XAP\_ViewAtt")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement QuickLink\_ViewAtt = driver.findElement(By.xpath(value));

Actions action = new Actions(driver);

action.moveToElement(QuickLink\_ViewAtt);

//action.click();

Thread.sleep(1000);

QuickLink\_ViewAtt.click();

break;

}

}

}

break;

case "Select":

if(split1[1].equalsIgnoreCase("XAP\_2021")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement XAP\_2021 = driver.findElement(By.xpath(value));

Select select1 = new Select(XAP\_2021);

select1.selectByVisibleText("2021");

break;

}

}

}

else if(split1[1].equalsIgnoreCase("December")) {

int f=0;

for(int e=0;e<wb.getSheet("Objects").getLastRowNum();e++) {

String objectName = wb.getSheet("Objects").getRow(e+2).getCell(f).toString().trim();

String value = wb.getSheet("Objects").getRow(e+2).getCell(f+2).toString().trim();

if(objectName.equalsIgnoreCase(split1[1])) {

WebElement December = driver.findElement(By.xpath(value));

Select select2 = new Select(December);

select2.selectByVisibleText("December");

break;

}

}

}

break;

case "Validation":

Thread.sleep(2000);

java.util.List<WebElement> rowelements = driver.findElements(By.xpath("//\*[@id='rightpagebody']/div/div/div/div[2]/div[2]/div/div/table/tbody/tr"));

int rowsize = rowelements.size();

for(int k1=1;k1<rowsize;k1++){

WebElement RemarkEl = driver.findElement(By.xpath("//\*[@id=\"rightpagebody\"]/div/div/div/div[2]/div[2]/div/div/table/tbody/tr[" + k1 + "]/td[9]"));

String Remarks = RemarkEl.getText();

if(Remarks.equalsIgnoreCase("Weekly Attendance")) {

WebElement hoursEl = driver.findElement(By.xpath("//\*[@id=\"rightpagebody\"]/div/div/div/div[2]/div[2]/div/div/table/tbody/tr[" + k1 + "]/td[7]"));

String hours = hoursEl.getText();

String[] num = hours.split("\\.");

int b = Integer.parseInt(num[0]);

if(b>=40) {

WebElement attEl = driver.findElement(By.xpath("//\*[@id=\"rightpagebody\"]/div/div/div/div[2]/div[2]/div/div/table/tbody/tr[" + k1 + "]/td[2]"));

String att\_date = attEl.getText();

System.out.println("Attendance for week " + att\_date +" is more than 40 hours ");

}

else{

WebElement attEl = driver.findElement(By.xpath("//\*[@id=\"rightpagebody\"]/div/div/div/div[2]/div[2]/div/div/table/tbody/tr[" + k1 + "]/td[2]"));

String att\_date = attEl.getText();

System.out.println("Attendance for week " + att\_date +" is not more than 40 hours ");

}

}

//assertThat(b,greaterThan(39));

}

//break;

break;

}

}

}

break;//comp & Event

case "EVENT":

if(testData.equalsIgnoreCase("EXIT")) {

//driver.quit();

}

else if(testData.equalsIgnoreCase("LaunchBrowser")) {

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

}

break;

default:

break;

}

} //1stfor

}//exe

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

apply("TestCase2");

}

}