package dailytask;

import java.util.ArrayList;

import java.util.Collections;

import java.util.List;

import java.util.Set;

import java.util.TreeSet;

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.chrome.ChromeOptions;

import org.openqa.selenium.remote.DesiredCapabilities;

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

import org.testng.Assert;

import io.github.bonigarcia.wdm.WebDriverManager;

public class FindingDuplicatesinTable {

public static void main(String[] args) {

WebDriverManager.chromedriver().setup();

ChromeOptions opt=new ChromeOptions();

opt.addArguments("incognito");

DesiredCapabilities d=new DesiredCapabilities();

d.setCapability(ChromeOptions.CAPABILITY, opt);

WebDriver driver=new ChromeDriver(opt);

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

driver.findElement(By.xpath("//input[@id='txtUsername']")).sendKeys("Admin");

driver.findElement(By.xpath("//input[@id='txtPassword']")).sendKeys("admin123");

driver.findElement(By.xpath("//input[@id='btnLogin']")).click();

driver.findElement(By.xpath("//b[normalize-space()='PIM']")).click();

//finding duplicates in table

//int rowCount = driver.findElements(By.xpath("//table[@id='resultTable']//tr")).size();

/\*List <WebElement>list=driver.findElements(By.xpath("//table[@id='resultTable']//tr"));

Set<String> ts = new TreeSet<String>();

for(int i=0; i<list.size()-1; i++)

{

String fName=driver.findElement(By.xpath("//table[@id='resultTable']//tr["+(i+1)+"]//td[3]")).getText();

System.out.println("Here the First Name: "+fName);

ts.add(fName);

}

System.out.println(ts);

System.out.println("Here is the size: "+ts.size());\*/

//to check dropdowns are sorted are not

/\*WebElement ele = driver.findElement(By.xpath("//select[@id='empsearch\_sub\_unit']"));

Select sel=new Select(ele);

List<String>originallist= new ArrayList<String>();

for(WebElement e:sel.getOptions())

{

originallist.add(e.getText());

}

System.out.println(originallist);

List<String> templist=originallist;

System.out.println(templist);

Collections.sort(templist);

boolean flag=false;

if(originallist==templist)

{

System.out.println(flag=true);

}

else {

System.out.println(flag=false);

}\*/

//checking if dropdown having duplicates or not

WebElement ele = driver.findElement(By.xpath("//select[@id='empsearch\_sub\_unit']"));

Select sel=new Select(ele);

//System.out.println(list.size());

List<WebElement>li=sel.getOptions();

System.out.println(li.size());

Set<String>se= new TreeSet<String>();

for(WebElement e:li)

{

se.add(e.getText());

}

System.out.println(se.size());

if(li.size()==se.size())

{

System.out.println("drodown doesnot have duplicates ");

}

else

{

System.out.println("dropdown having duplicates");

}

driver.quit();

}

}