Complete the Assignment and Post the code here

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.support.ui.Select;

public class DropDowns {

public static void main(String[] args)

{

System.setProperty("webdriver.chrome.driver", "C:.\\Drivers\\chromedriver.exe");

WebDriver driver = new ChromeDriver();

driver.get("http://www.itgeared.com/demo/1506-ajax-loading.html");

driver.get("https://www.cleartrip.com/");

driver.findElement(By.id("DepartDate")).click();

driver.findElement(By.cssSelector(".ui-state-default.ui-state-highlight.ui-state-active")).click();

WebElement ad= driver.findElement(By.id("Adults"));

Select adult = new Select(ad);

adult.selectByVisibleText("7");

//adult.selectByIndex(6);

WebElement ch= driver.findElement(By.id("Childrens"));

Select child = new Select(ch);

child.selectByVisibleText("2");

//child.selectByIndex(6);

driver.findElement(By.id("MoreOptionsLink")).click();

driver.findElement(By.id("AirlineAutocomplete")).sendKeys("Malaysia Airlines");

driver.findElement(By.id("SearchBtn")).click();

System.out.println(driver.findElement(By.id("homeErrorMessage")).getText());

}

}

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Array-Arraylist Example

code download

import java.util.Arrays;

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.support.ui.ExpectedConditions;

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

public class base {

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

// TODO Auto-generated method stub

System.setProperty("webdriver.chrome.driver", "C://chromedriver.exe");

WebDriver driver=new ChromeDriver();

String[] itemsNeeded= {"Cucumber","Brocolli","Beetroot"};

driver.get("https://rahulshettyacademy.com/seleniumPractise/");

Thread.sleep(3000);

addItems(driver,itemsNeeded);

}

public static void addItems(WebDriver driver,String[] itemsNeeded)

{

int j=0;

List<WebElement> products=driver.findElements(By.cssSelector("h4.product-name"));

for(int i=0;i<products.size();i++)

{

//Brocolli - 1 Kg

//Brocolli, 1 kg

String[] name=products.get(i).getText().split("-");

String formattedName=name[0].trim();

//format it to get actual vegetable name

//convert array into array list for easy search

// check whether name you extracted is present in arrayList or not-

List itemsNeededList = Arrays.asList(itemsNeeded);

if(itemsNeededList.contains(formattedName))

{

j++;

//click on Add to cart

driver.findElements(By.xpath("//div[@class='product-action']/button")).get(i).click();

if(j==itemsNeeded.length)

{

break;

}

}

}

}

}

Note: We use length() method to get Size of the Array

We use size() method to get size of the Arraylist

===============================================================================

Implicit , Explicit Wait, Thread Example

code download

import java.util.Arrays;

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.support.ui.ExpectedConditions;

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

public class base {

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

// TODO Auto-generated method stub

System.setProperty("webdriver.chrome.driver", "C://chromedriver.exe");

WebDriver driver=new ChromeDriver();

//driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

WebDriverWait w =new WebDriverWait(driver,5);

String[] itemsNeeded= {"Cucumber","Brocolli","Beetroot"};

driver.get("https://rahulshettyacademy.com/seleniumPractise/");

Thread.sleep(3000);

addItems(driver,itemsNeeded);

driver.findElement(By.cssSelector("img[alt='Cart']")).click();

driver.findElement(By.xpath("//button[contains(text(),'PROCEED TO CHECKOUT')]")).click();

w.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector("input.promoCode")));

driver.findElement(By.cssSelector("input.promoCode")).sendKeys("rahulshettyacademy");

driver.findElement(By.cssSelector("button.promoBtn")).click();

//explicit wait

w.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector("span.promoInfo")));

System.out.println(driver.findElement(By.cssSelector("span.promoInfo")).getText());

}

public static void addItems(WebDriver driver,String[] itemsNeeded)

{

int j=0;

List<WebElement> products=driver.findElements(By.cssSelector("h4.product-name"));

for(int i=0;i<products.size();i++)

{

//Brocolli - 1 Kg

//Brocolli, 1 kg

String[] name=products.get(i).getText().split("-");

String formattedName=name[0].trim();

//format it to get actual vegetable name

//convert array into array list for easy search

// check whether name you extracted is present in arrayList or not-

List itemsNeededList = Arrays.asList(itemsNeeded);

if(itemsNeededList.contains(formattedName))

{

j++;

//click on Add to cart

driver.findElements(By.xpath("//div[@class='product-action']/button")).get(i).click();

if(j==itemsNeeded.length)

{

break;

}

}

}

}

}

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Actions Class Example

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

public class ActionsDemo {

public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver",".\\Drivers\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.get("https://www.amazon.com/");

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

// To call entire line into one variable = 'move' , Replacing the entire script line to (move)

WebElement move= driver.findElement(By.id("nav-link-accountList"));

// Need to initialize Actions class

Actions a=new Actions(driver);

// a.moveToElement(driver.findElement(By.id("nav-link-accountList"))).build().perform();

// To write composite Actions

a.moveToElement(driver.findElement(By.id("twotabsearchtextbox"))).click().keyDown(Keys.SHIFT).sendKeys("hello").doubleClick().build().perform();

a.moveToElement(move).contextClick().build().perform();

}

}

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Explicit Wait Example

public class Assignment {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.chrome.driver", "C://work//chromedriver.exe");

WebDriver driver = new ChromeDriver();

driver.get("http://www.itgeared.com/demo/1506-ajax-loading.html");

driver.findElement(By.cssSelector("a[href\*='loadAjax']")).click();

WebDriverWait d=new WebDriverWait(driver,20);

d.until(ExpectedConditions.elementToBeClickable(By.id("results")));

System.out.println(driver.findElement(By.id("results")).getText());

// System.out.println( driver.findElement(By.xpath("//\*[@id='checkbox-example']/fieldset/label[2]")).getText());

}

}