**Automate Web Application Using TestNG**

**Source code**

**CombinedTests.java**

packageTestng.Testng;

importorg.openqa.selenium.By;

importorg.openqa.selenium.Keys;

importorg.openqa.selenium.WebDriver;

importorg.openqa.selenium.WebElement;

importorg.openqa.selenium.chrome.ChromeDriver;

importorg.testng.annotations.AfterMethod;

importorg.testng.annotations.BeforeMethod;

importorg.testng.annotations.Test;

importjava.util.concurrent.TimeUnit;

importjava.time.Duration;

publicclassCombinedTests{

privateWebDriverwd;

*@BeforeMethod*

publicvoidbeforeMethod(){

System.*setProperty*("webdriver.chrome.driver","D:\\Working Software\\Salenium\\seleniumjars\\chromedriver.exe");

wd=newChromeDriver();

}

*@Test*(priority=1)

publicvoidaddToCartTest(){

wd.get("https://cupsofmagik.com/");

wd.manage().window().maximize();

WebElementAddCartBut=wd.findElement(By.*id*("AddToCart-1608048234b059c376"));

AddCartBut.click();

}

*@Test*(priority=2)

publicvoidgoogleSearchTest(){

wd.get("https://google.com");

wd.manage().window().maximize();

wd.manage().timeouts().implicitlyWait(Duration.*ofMinutes*(2).getSeconds(),*TimeUnit*.***SECONDS***);

WebElementtextField=wd.findElement(By.*name*("q"));

textField.sendKeys("What is Testing?");

WebElementbtnRef=wd.findElement(By.*name*("btnK"));

btnRef.sendKeys(*Keys*.***ENTER***);

try{

Thread.*sleep*(3000);

}catch(Exceptione){

// **TODO**: handle exception

}

}

*@Test*(priority=3)

publicvoidloginTest(){

// Open the website

wd.get("https://www.saucedemo.com/");

// Perform login

wd.findElement(By.*name*("user-name")).sendKeys("standard\_user");

wd.findElement(By.*id*("password")).sendKeys("secret\_sauce");

wd.findElement(By.*xpath*("/html/body/div/div/div[2]/div[1]/div/div/form/input")).click();

}

*@Test*(priority=4)

publicvoidregistrationTest(){

wd.get("https://nxtgenaiacademy.com/demo-site/");

// Registration form

wd.findElement(By.*id*("vfb-5")).sendKeys("Dinesh");

wd.findElement(By.*id*("vfb-7")).sendKeys("Kumar");

wd.findElement(By.*name*("vfb-31")).click();

// Address

wd.findElement(By.*cssSelector*("input#vfb-13-address")).sendKeys("Dubai MainRoad");

wd.findElement(By.*cssSelector*("input#vfb-13-address-2")).sendKeys("No 6 Vevekanantha Street ");

wd.findElement(By.*cssSelector*("input#vfb-13-state")).sendKeys("Dubai kurukusanthu");

wd.findElement(By.*cssSelector*("input#vfb-13-zip")).sendKeys("Dubai ");

// Country

WebElementdropdownElement=wd.findElement(By.*className*("select2-selection\_\_arrow"));

dropdownElement.click();

WebElementoption=wd.findElement(By.*xpath*("//li[contains(text(),'Saudi Arabia')]"));

option.click();

// Email

wd.findElement(By.*xpath*("/html/body/div[2]/div[2]/div[2]/div[1]/div/section/div/div[1]/div/div/div/div/div/form/fieldset[1]/ul/li[5]/input")).sendKeys("vadivel@gmail.com");

// Date

WebElementdateInput=wd.findElement(By.*id*("vfb-18"));

dateInput.clear();

StringdesiredDate="07/19/23";

dateInput.sendKeys(desiredDate);

// Phone

wd.findElement(By.*xpath*("//\*[@id=\"vfb-19\"]")).sendKeys("956749789");

// Checkboxes

WebElementcheckbox1=wd.findElement(By.*id*("vfb-20-0"));

if(!checkbox1.isSelected()){

checkbox1.click();

}

WebElementcheckbox2=wd.findElement(By.*id*("vfb-20-3"));

if(!checkbox2.isSelected()){

checkbox2.click();

}

// Additional Info

wd.findElement(By.*xpath*("/html/body/div[2]/div[2]/div[2]/div[1]/div/section/div/div[1]/div/div/div/div/div/form/fieldset[1]/ul/li[10]/div/textarea")).sendKeys("I am your Best Friend okey!");

// Age

wd.findElement(By.*id*("vfb-3")).sendKeys("99");

wd.findElement(By.*xpath*("//\*[@id=\"vfb-4\"]")).click();

}

*@AfterMethod*

publicvoidafterMethod()throwsInterruptedException{

wd.close();

}

}