

Automate Web Application Using TestNG

CODE:

CombinedTests.java

```
package Testng.Testng;

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.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Test;

import java.util.concurrent.TimeUnit;
import java.time.Duration;

public class CombinedTests {
    private WebDriver wd;

    @BeforeMethod
    public void beforeMethod() {
        System.setProperty("webdriver.chrome.driver", "D:\\Working Software\\Selenium\\seleniumjars\\chromedriver.exe");
        wd = new ChromeDriver();
    }

    @Test(priority = 1)

    public void addToCartTest() {
        wd.get("https://cupsofmagik.com/");
        wd.manage().window().maximize();
        WebElement AddCartBut = wd.findElement(By.id("AddToCart-1608048234b059c376"));
        AddCartBut.click();
    }

    @Test(priority = 2)

    public void googleSearchTest() {
        wd.get("https://google.com");
        wd.manage().window().maximize();

wd.manage().timeouts().implicitlyWait(Duration.ofMinutes(2).getSeconds(),
TimeUnit.SECONDS);
        WebElement textField = wd.findElement(By.name("q"));
        textField.sendKeys("What is Testing?");
        WebElement btnRef = wd.findElement(By.name("btnK"));
        btnRef.sendKeys(Keys.ENTER);
        try {
            Thread.sleep(3000);
        } catch (Exception e) {
            // TODO: handle exception
        }
    }
}
```

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```
@Test(priority = 3)

public void loginTest() {
    // 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)

public void registrationTest() {
    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
    WebElement dropdownElement = wd.findElement(By.className("select2-selection__arrow"));
    dropdownElement.click();
    WebElement option =
    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
    WebElement dateInput = wd.findElement(By.id("vfb-18"));
    dateInput.clear();
    String desiredDate = "07/19/23";
    dateInput.sendKeys(desiredDate);

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

    // Checkboxes
    WebElement checkbox1 = wd.findElement(By.id("vfb-20-0"));
```

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```
        if (!checkbox1.isSelected()) {
            checkbox1.click();
        }
        WebElement checkbox2 = 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
    public void afterMethod() throws InterruptedException {
        wd.close();
    }
}
```