

# SOURCE CODE

## ExternalWebElements

```
package com.ecommerce.test;

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

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.WindowType;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class ExternalWebElements {

    public static void main(String[] args) throws InterruptedException {
        // Basic configuration
        WebDriver driver = new ChromeDriver();

        ExternalElements(driver);
        ExternalElementsNewTab(driver);
        ExternalElementsIFrame(driver);
        DoubleClick(driver);
    }

    static void ExternalElements(WebDriver driver) throws
    InterruptedException {

        String baseUrl = "C:\\\\Users\\HP\\eclipse-selenium\\hello-
selenium\\src\\main\\resources\\test.html";
        driver.get(baseUrl);

        // driver.manage().timeouts().implicitlyWait(10,
        TimeUnit.SECONDS);
        Thread.sleep(10000);

        driver.findElement(By.linkText("See an example
alert")).click();

        // alert will appear now, may be in 10 secs
        WebDriverWait wait = new WebDriverWait(driver,
        Duration.ofSeconds(10));

        // Wait for the alert to be displayed
        wait.until(ExpectedConditions.alertIsPresent());
    }
}
```

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        // Store the alert in a variable
        Alert alert = driver.switchTo().alert();

        System.out.printf("\n alert text is %s \n", alert.getText());

        Thread.sleep(10000);

        alert.accept();
    }

    static void ExternalElementsNewTab(WebDriver driver) throws
    InterruptedException {

        String baseUrl = "C:\\Users\\HP\\eclipse-selenium\\practice-
        project1\\src\\main\\resources\\test.html";
        driver.get(baseUrl);

        // driver.manage().timeouts().implicitlyWait(10,
        TimeUnit.SECONDS);
        Thread.sleep(10000);

        driver.switchTo().newWindow(WindowType.TAB);
        driver.navigate().to("https://www.google.com?q=flowers");
    }

    static void ExternalElementsIFrame(WebDriver driver) throws
    InterruptedException {

        String baseUrl = "C:\\Users\\HP\\eclipse-selenium\\practice-
        project1\\src\\main\\resources\\test.html";
        driver.get(baseUrl);

        // driver.manage().timeouts().implicitlyWait(10,
        TimeUnit.SECONDS);
        Thread.sleep(5000);

        driver.switchTo().frame("myframe");

        driver.findElement(By.cssSelector("#docsearch > button >
        span.DocSearch-Button-Container > span")).click();
        driver.findElement(By.cssSelector("#docsearch-
        input")).sendKeys("hello");
    }

    static void DoubleClick(WebDriver driver) throws InterruptedException
    {

        String baseUrl = "C:\\Users\\HP\\eclipse-selenium\\hello-
        selenium\\src\\main\\resources\\test.html";
        driver.get(baseUrl);

        // driver.manage().timeouts().implicitlyWait(10,
        TimeUnit.SECONDS);
        Thread.sleep(5000);

        WebElement button = driver.findElement(By.id("dblButton"));

        Actions actions = new Actions(driver);
        actions.doubleClick(button).perform();
    }

```

```
Thread.sleep(10000);
WebElement helloPara = driver.findElement(By.id("xyz"));
actions.contextClick(helloPara).perform();
;
    }
}
```