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package com.seleniumsimplified.webdriver.basics.manipulate.windows;
import com.seleniumsimplified.webdriver.manager.Driver;
import org.junit.Test;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import java.util.Set;
import static junit.framework.Assert.assertEquals;
import static junit.framework.Assert.assertTrue;

public class WindowsExampleTest {

    @Test
    public void switchToNewWindow(){

        // Current bug open with chrome driver
        // http://code.google.com/p/chromedriver/issues/detail?id=107

        WebDriver driver = Driver.get(
            "http://www.compendiumdev.co.uk/selenium/frames");

        String framesWindowHandle = driver.getWindowHandle();
        assertEquals("Expected only 1 current window", 1, driver.getWindowHandles().size());
        driver.switchTo().frame("content");
        driver.findElement(By.cssSelector("a[href='http://www.seleniumsimplified.com']")).click();
        assertEquals("Expected a New Window opened", 2, driver.getWindowHandles().size());
        Set<String> myWindows = driver.getWindowHandles();
        String newWindowHandle="";
        for(String aHandle : myWindows){
            if(!framesWindowHandle.contentEquals(aHandle)){
                newWindowHandle = aHandle; break;
            }
        }

        driver.switchTo().window(newWindowHandle);

        assertTrue("Expected Selenium Simplified site",
            driver.getTitle().contains("Selenium Simplified"));
    }
}

```