```java
package parallel.dataproviders;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Test;

public class DataProviderParallelTests {

    public WebDriver driver;
    private static final ThreadLocal<WebDriver> WEBDRIVER_THREADLOCAL = new ThreadLocal<WebDriver>();

     @BeforeMethod
    public void setUp(){

          System.setProperty("webdriver.chrome.driver","./Drivers/chromedriver.exe");
          driver = new ChromeDriver();
        WEBDRIVER_THREADLOCAL.set(driver);
        System.out.println("Before method Thread Id:" + Thread.currentThread().getId());

    }

    @Test(dataProvider = "testData", dataProviderClass = DataProviderDemo.class)
    public void invalidLoginTest(String username, String password, String errorMessage) throws InterruptedException {

        driver = WEBDRIVER_THREADLOCAL.get();
        driver.manage().window().maximize();
        driver.get("https://www.saucedemo.com/");

        Thread.sleep(2000);
        driver.findElement(By.name("user-name")).sendKeys(username);
        System.out.println("Username :" + username);

        Thread.sleep(2000);
        driver.findElement(By.name("password")).sendKeys(password);
        System.out.println("password :" + password);

        driver.findElement(By.xpath("//*[@name='login-button']")).submit();

        Thread.sleep(2000);
        String actualErrorMessage = driver.findElement(By.xpath("//*[@id='login_button_container']/div/form/div[3]/h3")).getText();
        System.out.println("Actual ErrorMessage :" + actualErrorMessage);
        Assert.assertTrue(actualErrorMessage.contains(actualErrorMessage));


    }

    @AfterMethod
    public void tear_down() {

         WebDriver driver = WEBDRIVER_THREADLOCAL.get();
         System.out.println("After method Thread Id:" + Thread.currentThread().getId());
            if (driver != null) {
                driver.quit();
         }
    }
```

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61 }
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