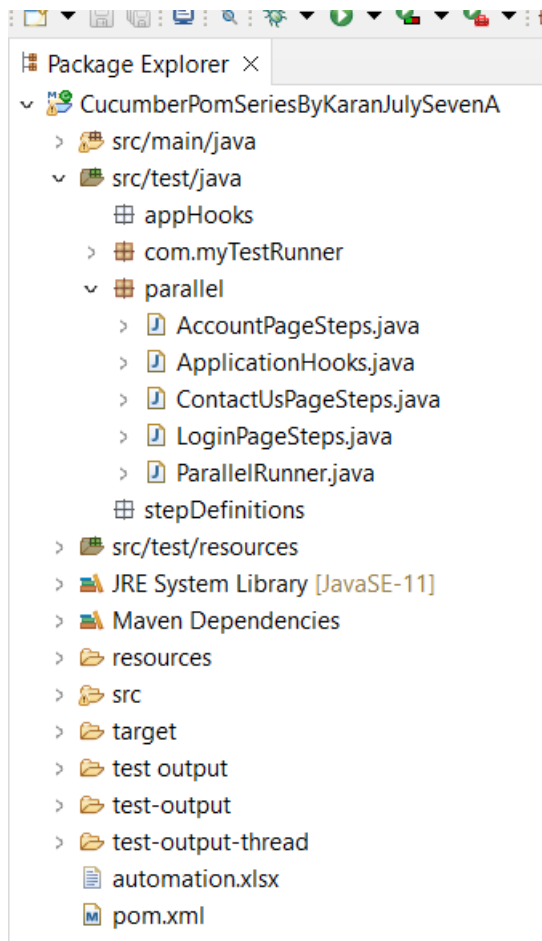


Note-

Always delete the contents of target folder and test output folder before every run so that reports will be nicely generated.

When I deleted target folder, the contents inside it got deleted but not the folder itself. I deleted the test output folders and all data within the test output as well as the test output folder itself got deleted.

Then I ran the project, extent spark pdf and html got generated. Thread report got generated. And re-run also worked properly.



PART 8 - Rerun Failure #SCENARIO | GitHub - naveenanimation20/... | Cucumber Timeline

Choose a scenario name...
Only show tests with tag...
Reset

Thread[TestNG-PoolService-0,5_main]	account page feature accounts page title		
Thread[TestNG-PoolService-1,5_main]	account page feature account sections count	account page feature accounts page title	
Thread[TestNG-PoolService-2,5_main]	contact us feature contact us scenario with different sets of data		
Thread[TestNG-PoolService-3,5_main]	contact us feature contact us scenario with different sets of data		
Thread[TestNG-PoolService-4,5_main]	contact us feature contact us scenario with different sets of data		
Thread[TestNG-PoolService-5,5_main]	contact us feature contact us scenario with different sets of data		
Thread[TestNG-PoolService-6,5_main]	contact us feature contact us scenario with different sets of data		
Thread[TestNG-PoolService-7,5_main]	contact us feature contact us scenario with different sets of data		
Thread[TestNG-PoolService-8,5_main]	login page feature login page title	account page feature account sections count	
Thread[TestNG-PoolService-9,5_main]	login page feature forgot password link	login page feature login with correct credentials	

24°C Sunny

PART 8 - Rerun Failure #SCENARIO | GitHub - naveenanimation20/... | TestNG reports

Test results
1 suite, 1 failed test

All suites

Default suite

Info

- C:\Users\karan\AppData\Local\Temp\testing-ecipse-2104625511\testing-customsuite.xml
- 1 test
- 1 group
- Times
- Reporter output
- Ignored methods
- Chronological view

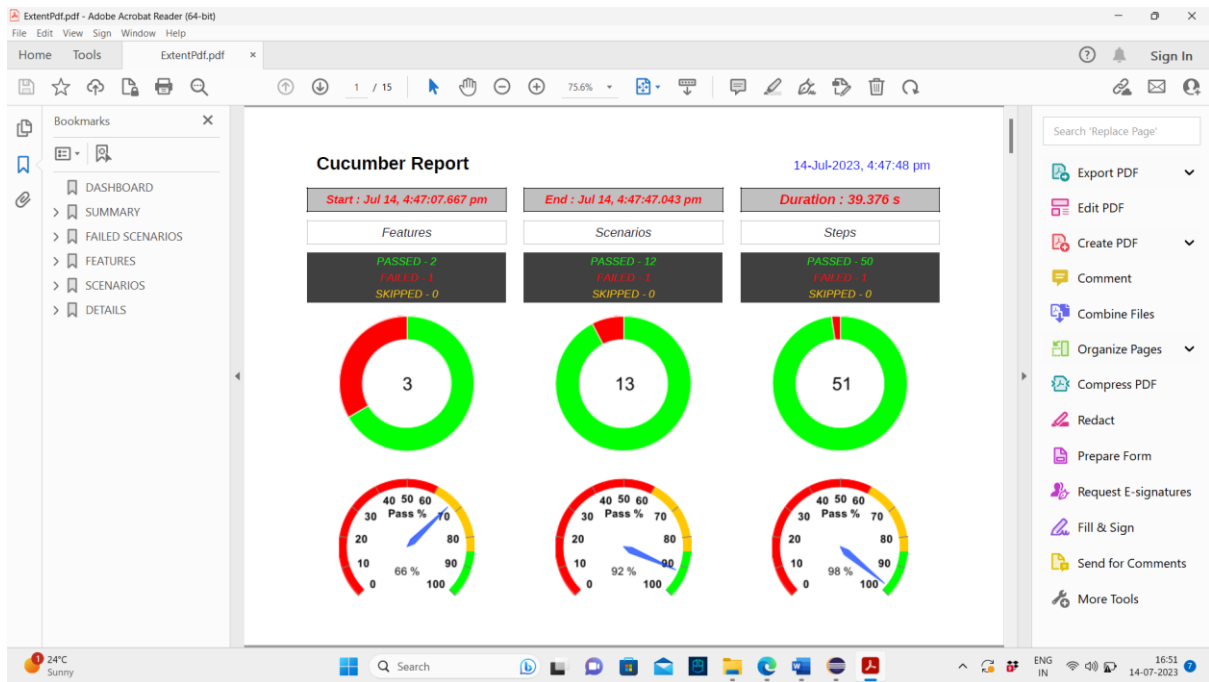
Results

- 13 methods, 1 failed, 12 passed
- Failed methods (hide)
- runScenario("forgot password link", "Optional[login page feature]")
- Passed methods (show)

parallel.ParallelRunner

```
runScenario("forgot password link", "Optional[login page feature]")
org.openqa.selenium.NoSuchElementException: no such element: Unable to locate element: {"method":"link text","selector":"Forgot your password?1111"}
(Session info: chrome:114.0.5735.199)
For documentation on this error, please visit: https://www.seleniumhq.org/exceptions/no_such_element.html
Build info: version: '3.141.59', revision: 'e82be7d358', time: '2018-11-14T08:17:03'
System info: host: 'LAPTOP-H56QV7V1', ip: '192.168.0.16', os.name: 'Windows 10', os.arch: 'amd64', os.version: '10.0', java.version: '17.0.1'
Driver info: org.openqa.selenium.chrome.ChromeDriver
Capabilities {acceptInsecureCerts: false, browserName: chrome, browserVersion: 114.0.5735.199, chrome: {chromedriverVersion: 114.0.5735.90 (386bc09e8f4f..., user
*** Element info: (Using link text, value:Forgot your password?1111)
    at java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance(Native Method)
    at java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstructorAccessorImpl.java:77)
    at java.base/jdk.internal.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:45)
    at java.base/java.lang.reflect.Constructor.newInstance0(Constructor.java:499)
    at java.base/java.lang.reflect.Constructor.newInstance(Constructor.java:480)
    at org.openqa.selenium.remote.http.HCHttpResponseCodec.decode(HCHttpResponseCodec.java:122)
    at org.openqa.selenium.remote.http.HCHttpResponseCodec.decode(HCHttpResponseCodec.java:49)
    at org.openqa.selenium.remote.HttpCommandExecutor.execute(HttpCommandExecutor.java:158)
    at org.openqa.selenium.remote.service.DriverCommandExecutor.execute(DriverCommandExecutor.java:83)
    at org.openqa.selenium.remote.RemoteWebDriver.execute(RemoteWebDriver.java:552)
    at org.openqa.selenium.remote.RemoteWebDriver.findElement(RemoteWebDriver.java:323)
    at org.openqa.selenium.remote.RemoteWebDriver.findElementByLinkText(RemoteWebDriver.java:380)
    at org.openqa.selenium.By$ByLinkText.findElement(By.java:220)
    at org.openqa.selenium.remote.RemoteWebDriver.findElement(RemoteWebDriver.java:315)
    at com.pages.LoginPageObject.isForgotPasswordLinkPresent(LoginPageObject.java:35)
    at parallel.LoginPageSteps.forgot_your_password_link_should_be_displayed(LoginPageSteps.java:39)
    at *.forgot your password link should be displayed(file:///E:/Naveen20Java%20Training/Cucumber/CucumberPomSeriesByKaranJulySevenA/src/test/resources/pa

(Runs Cucumber Scenarios)
```



Run the project with re-run plugin-

```
package parallel;

import org.testng.annotations.DataProvider;

import io.cucumber.testng.CucumberOptions;
import io.cucumber.testng.AbstractTestNGCucumberTests;

@CucumberOptions(
    features = {"src/test/resources/parallel"},
    glue = { "parallel" },
    monochrome=true,
    plugin = { "pretty",

        "com.aventstack.extentreports.cucumber.adapter.ExtentCucumberAdapte
r:",
        "timeline:test-output-thread/",
        "rerun:target/failedScenarios.txt" /**
        * rerun plugin should be used for getting failed cases and
then run them individually.
        * it will give one text file, we can give it any name after
:
        * it will generate entry of the failed scenario in the text
file.
        * then create one more runner to run only the failed cases.
        * @author karan
        *
        */
    }
)

public class ParallelRunner extends AbstractTestNGCucumberTests {

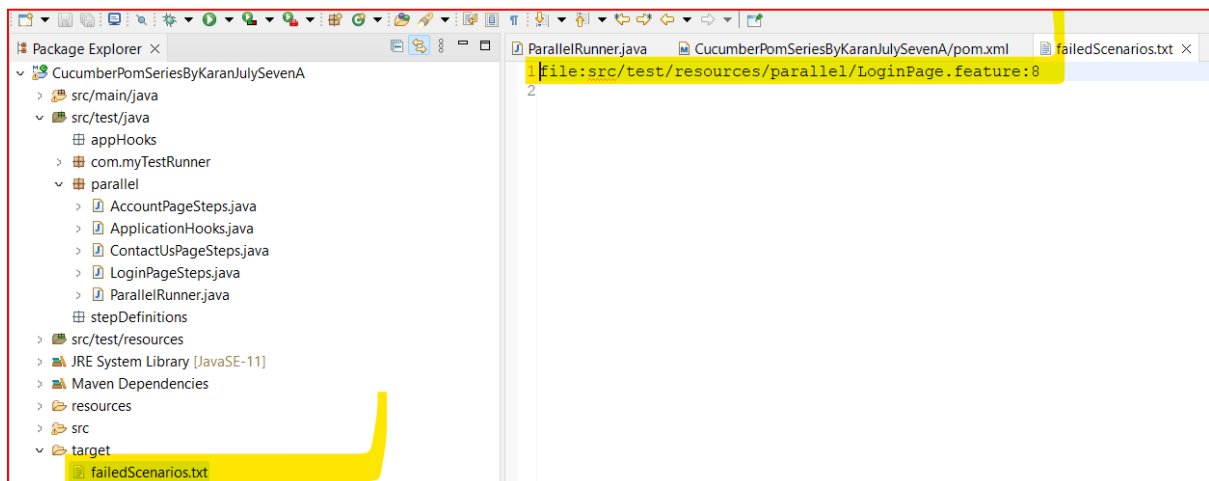
    /**
     * we need to override a method from abstracttestngcumbertests
class
```

```

    * parallel=true means run in parallel, else it will run one by
one.
    *
    * @return 2d array containing all scenarios.
    */
    @Override
    @DataProvider(parallel = true)
    public Object[][] scenarios() {
        return super.scenarios();
    }
}

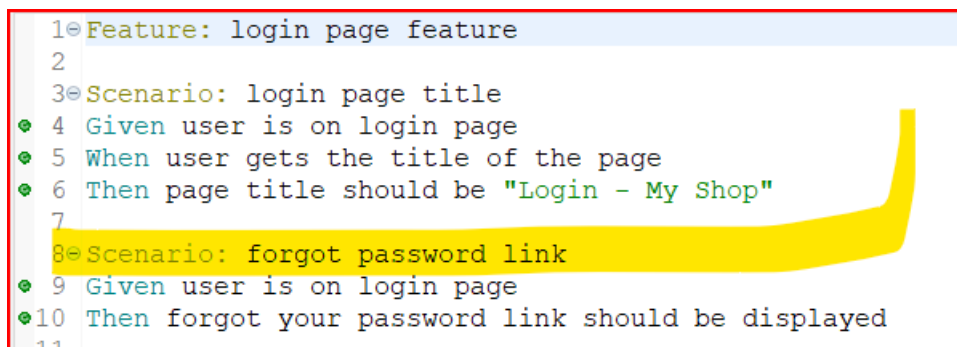
```

Refresh the project and failed scenario text file is generated-



This shows the file which got failed. “:8” is the line number where the scenario is present inside the file.

Feature file line number-



Running only failed cases-

Runner file-

```

package parallel;

import org.testng.annotations.DataProvider;

import io.cucumber.testng.AbstractTestNGCucumberTests;
import io.cucumber.testng.CucumberOptions;

@CucumberOptions (

```

```

        features = {"@target/failedScenarios.txt"}, // path of the
failed text file.
        glue = { "parallel" },
        monochrome=true,
        plugin = { "pretty",

            "com.aventstack.extentreports.cucumber.adapter.ExtentCucumberAdapte
r:",
            "timeline:test-output-thread/",
            "rerun:target/failedScenarios.txt" // give the location of
the text file which failed.
        }
    )

    public class FailedRuns extends AbstractTestNGCucumberTests{
        @Override
        @DataProvider(parallel = true)
        public Object[][] scenarios() {
            return super.scenarios();
        }
    }
}

```

Console output-

```

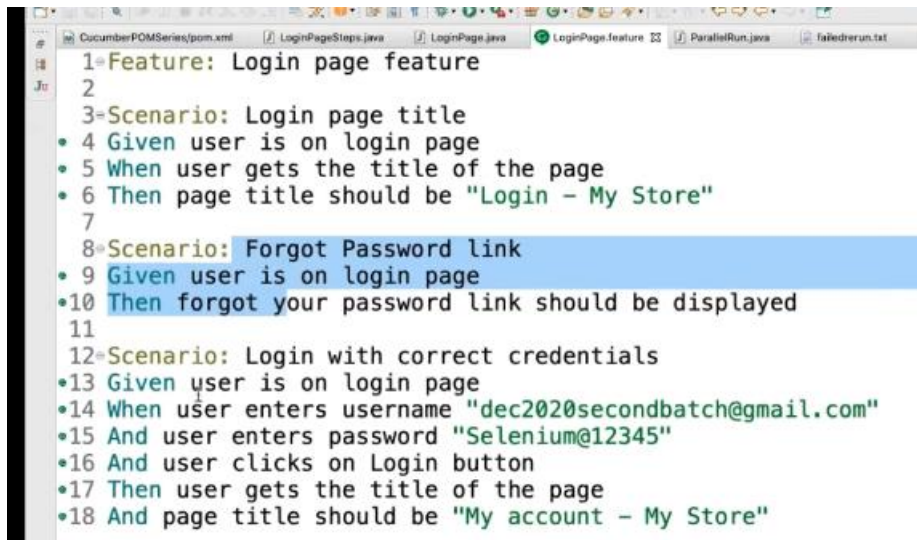
<terminated> FailedRuns [TestNG] C:\Users\karan\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.1.v20211116-1657\jre\bin\javaw.exe (14-Jul-2023, 9:40:24 pm - 9:40:39 pm) [pid: 23]
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
Starting ChromeDriver 114.0.5735.90 (386bc09e8f4f2e025eddae123f36f6263096ae49-refs/branch-heads/5735@{#1052}) on port 34124
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jul 14, 2023 9:40:33 PM org.opengqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Given user is on login page                                # parallel.LoginPageSteps.user_is_on_login_page()
Then forgot your password link should be displayed # parallel.LoginPageSteps.forgot_your_password_link_should_be_displayed()
org.opengqa.selenium.NoSuchElementException: no such element: Unable to locate element: {"method":"link text","selector":"Forgot your
password?11111"}
(Session info: chrome=114.0.5735.199)
For documentation on this error, please visit: https://www.seleniumhq.org/exceptions/no_such_element.html
Build info: version: '3.141.59', revision: 'e82be7d358', time: '2018-11-14T08:17:03'
System info: host: 'LAPTOP-H56OVJTV', ip: '192.168.0.16', os.name: 'Windows 10', os.arch: 'amd64', os.version: '10.0', java.version:
'17.0.1'
Driver info: org.opengqa.selenium.chrome.ChromeDriver
Capabilities {acceptInsecureCerts: false, browserName: chrome, browserVersion: 114.0.5735.199, chrome: {chromedriverVersion: 114.0.5735.90
(386bc09e8f4f..., userDataDir: C:\Users\karan\AppData\Loca..., goog:chromeOptions: {debuggerAddress: localhost:60000}, javascriptEnabled:
true, networkConnectionEnabled: false, pageLoadStrategy: normal, platform: WINDOWS, platformName: WINDOWS, proxy: Proxy(), setWindowRect:
true, strictFileInteractability: false, timeouts: {implicit: 0, pageLoad: 300000, script: 30000}, unhandledPromptBehavior: dismiss and
notify, userAgent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/114.0.5735.199 Safari/537.36}

```

In case, multiple scenarios are failing and they are all present within one scenario file, then see the way the numbers are assigned-



Feature file with lines 8 and 12-



```

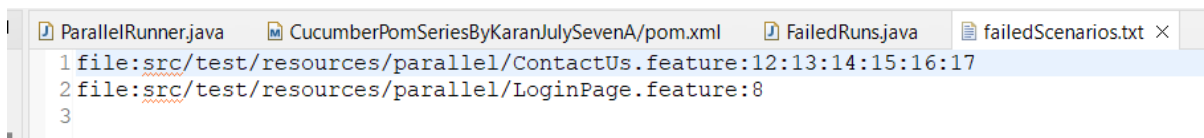
1=Feature: Login page feature
2
3=Scenario: Login page title
• 4 Given user is on login page
• 5 When user gets the title of the page
• 6 Then page title should be "Login - My Store"
7
8=Scenario: Forgot Password link
• 9 Given user is on login page
•10 Then forgot your password link should be displayed
11
12=Scenario: Login with correct credentials
•13 Given user is on login page
•14 When user enters username "dec2020secondbatch@gmail.com"
•15 And user enters password "Selenium@12345"
•16 And user clicks on Login button
•17 Then user gets the title of the page
•18 And page title should be "My account - My Store"

```

Note-

As mentioned by great Jatin, target folder, test output folders should go into gitignore.

See how multiple failures in multiple files are displayed-

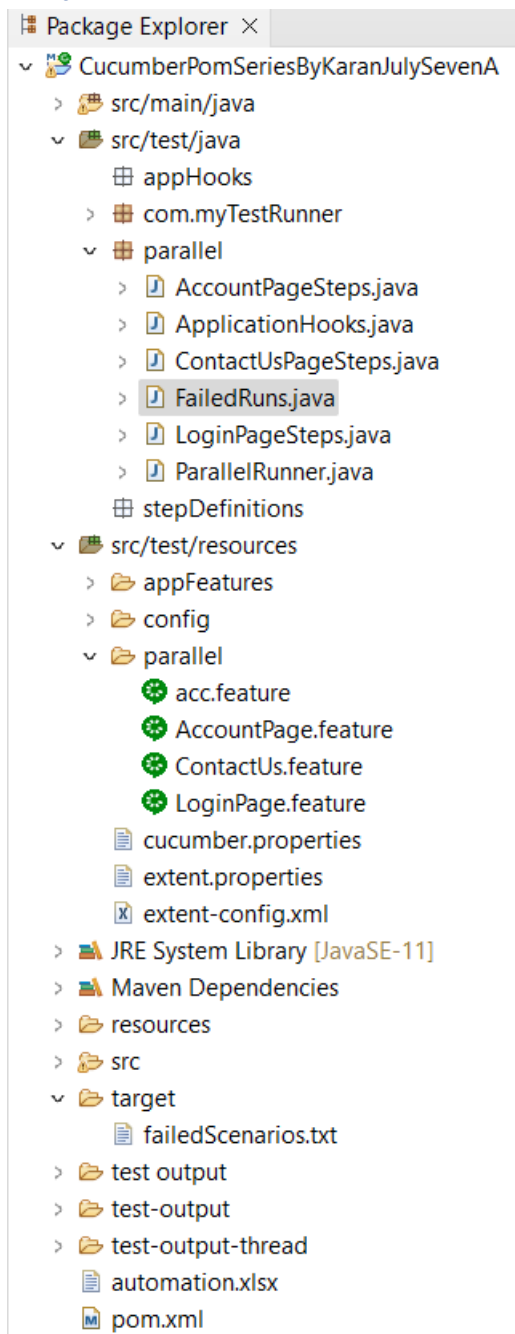


```

ParallelRunner.java  CucumberPomSeriesByKaranJulySevenA/pom.xml  FailedRuns.java  failedScenarios.txt x
1 file:src/test/resources/parallel/ContactUs.feature:12:13:14:15:16:17
2 file:src/test/resources/parallel/LoginPage.feature:8
3

```

Project structure-



Codes from this chapter-

Parallel runner-

```
package parallel;

import org.testng.annotations.DataProvider;

import io.cucumber.testng.CucumberOptions;
import io.cucumber.testng.AbstractTestNGCucumberTests;

@CucumberOptions(
    features = {"src/test/resources/parallel"},
    glue = { "parallel" },
    monochrome=true,
```

```

        plugin = { "pretty",
            "com.aventstack.extentreports.cucumber.adapter.ExtentCucumberAdapte
r:",
            "timeline:test-output-thread/",
            "rerun:target/failedScenarios.txt" /**
            * rerun plugin should be used for getting failed cases and
            then run them individually.
            * it will give one text file, we can give it any name after
            :
            * it will generate entry of the failed scenario in the text
            file.
            * then create one more runner to run only the failed cases.
            * @author karan
            *
            */
        }
    }
}

public class ParallelRunner extends AbstractTestNGCucumberTests {

    /**
    * we need to override a method from abstracttestngcumbertests
class
    * parallel=true means run in parallel, else it will run one by
    one.
    *
    * @return 2d array containing all scenarios.
    */
    @Override
    @DataProvider(parallel = true)
    public Object[][] scenarios() {
        return super.scenarios();
    }
}

```

Failed runner-

```

package parallel;

import org.testng.annotations.DataProvider;

import io.cucumber.testng.AbstractTestNGCucumberTests;
import io.cucumber.testng.CucumberOptions;

@CucumberOptions(
    features = {"@target/failedScenarios.txt"}, // path of the
failed text file.
    glue = { "parallel" },
    monochrome=true,
    plugin = { "pretty",

        "com.aventstack.extentreports.cucumber.adapter.ExtentCucumberAdapte
r:",
        "timeline:test-output-thread/",
        "rerun:target/failedScenarios.txt" // give the location of
the text file which failed.
    }
)

```



```
public class FailedRuns extends AbstractTestNGCucumberTests{
    @Override
    @DataProvider(parallel = true)
    public Object[][] scenarios() {
        return super.scenarios();
    }
}
```

Failed scenario text file-

```
file:src/test/resources/parallel/ContactUs.feature:12:13:14:15:16:17
file:src/test/resources/parallel/LoginPage.feature:8
```