

How to ignore a scenario in Cucumber BDD

Ignore scenarios using tags-

Login feature-

```
@Login
Feature: login page feature

@Smoke
Scenario: login page title
Given user is on login page
When user gets the title of the page
Then page title should be "Login - My Shop"

@Smoke
Scenario: forgot password link
Given user is on login page
Then forgot your password link should be displayed

@Regression @Skip
Scenario: login with correct credentials
Given user is on login page
When user enters username as "cucumbertesting1960@gmail.com"
And user enters password as "Malaravi@123"
And user clicks on login button
Then user gets the title of the page
And page title should be "My account - My Shop"
```

Runner class-

```
package parallel;

import org.testng.annotations.DataProvider;

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

@CucumberOptions(
    features = {"src/test/resources/parallel/LoginPage.feature"},
    glue = { "parallel" },
    monochrome=true,
    tags = "not @Skip", // do not run @skip scenarios
    plugin = { "pretty",

        "com.aventstack.extentreports.cucumber.adapter.ExtentCucumberAdapter:",
        "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();
    }
}

```

Console –

The skipped case did not run.

```

[RemoteTestNG] detected TestNG version 6.14.3
[TestNGContentHandler] [WARN] It is strongly recommended to add
"<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd" >" at the top
of your file, otherwise TestNG may fail or not work as expected.

@Login @Smoke
Scenario: forgot password link #
src/test/resources/parallel/LoginPage.feature:11

@Login @Smoke
Scenario: login page title #
src/test/resources/parallel/LoginPage.feature:5
browser value ischrome
browser value ischrome
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
(386bc09e8f4f2e025eddaelS23f36tfa6r2t6i3n0g9 6Caher4o9m-erDerfisv/ebr
aln1c4h.-0h.e5a7d3s5/5735@{#1052}) on port 9512
Only local connections are allowed.
Please see 9h0t
t(p38s6:b/c/0c9her8f4ofm2eed0r2i5veeddra.ec1hr23ofm3i6ufm6.26o3r0g9/6sae
c4u9r-iretfys-/cbornasnicdhe-rhaetaidos/5735@{#1052}) on port 15506
Onnlsy lfoocra ls ucognngneescttions on keeipoinnsg aCrher
oamlelDorwievde.r
Pleases asfeee. h
t

```

```

tps://chromedriver.chromium.org/security-considerations for suggestions
on keeping ChromeDriver safe.
ChromeDriver was started successfully.
ChromeDriver was started successfully.
Jul 15, 2023 10:04:47 PM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected dialect: W3C
Jul 15, 2023 10:04:47 PM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected dialect: W3C
Given user is on login page #
parallel.LoginPageSteps.user_is_on_login_page()
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.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-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.openqa.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:63469}, 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, webauthn:extension:credBlob:
true, webauthn:extension:largeBlob: true,
webauthn:extension:minPinLength: true, webauthn:extension:prf: true,
webauthn:virtualAuthenticators: true}
Session ID: b9a23acefdc2a88c3d878b1b78468e8b
*** Element info: {Using=link text, value=Forgot your password?1111}
at
java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance0
(Native Method)
at
java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance(
NativeConstructorAccessorImpl.java:77)
at
java.base/jdk.internal.reflect.DelegatingConstructorAccessorImpl.newInsta
nce(DelegatingConstructorAccessorImpl.java:45)
at
java.base/java.lang.reflect.Constructor.newInstanceWithCaller(Constructor
.java:499)
at
java.base/java.lang.reflect.Constructor.newInstance(Constructor.java:480)
at
org.openqa.selenium.remote.http.W3CHttpResponseCodec.createException(W3CH
ttpResponseCodec.java:187)

```

```

at
org.openqa.selenium.remote.http.W3CHttpResponseCodec.decode(W3CHttpResponseCodec.java:122)
at
org.openqa.selenium.remote.http.W3CHttpResponseCodec.decode(W3CHttpResponseCodec.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 Æ¼.forgot your password link should be
displayed(file:///E:/Naveen%20Java%20Training/Cucumber/CucumberPomSeriesByKaranJulySevenA/src/test/resources/parallel/LoginPage.feature:13)

Embedding forgot_password_link [image/png 158345 bytes]

page title is Login - My Shop
When user gets the title of the page #
parallel.LoginPageSteps.user_gets_the_title_of_the_page()
Then page title should be "Login - My Shop" #
parallel.LoginPageSteps.page_title_should_be(java.lang.String)
Jul 15, 2023 10:04:59 PM tech.grasshopper.pdf.PDFCucumberReport
collectReportConfiguration
INFO: PDF report configuration YAML file not found. Using default
settings.
????????????????????????????????????????????????????????????????????????????????
???
? View your Cucumber Report at: ?
? https://reports.cucumber.io/reports/52ea5bd8-e57d-4b5c-bcf9-
25fe0e8be5db ?
? ?
? This report will self-destruct in 24h. ?
? Keep reports forever: https://reports.cucumber.io/profile ?
????????????????????????????????????????????????????????????????????????????????
???PASSED: runScenario("login page title", "Optional[login page
feature]")
Runs Cucumber Scenarios
FAILED: runScenario("forgot password link", "Optional[login page
feature]")

```

```

Runs Cucumber Scenarios
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-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.openqa.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:63469}, 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, webauthn:extension:credBlob:
true, webauthn:extension:largeBlob: true,
webauthn:extension:minPinLength: true, webauthn:extension:prf: true,
webauthn:virtualAuthenticators: true}
Session ID: b9a23acefdc2a88c3d878b1b78468e8b
*** Element info: {Using=link text, value=Forgot your password?1111}
at
java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance0
(Native Method)
at
java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance (
NativeConstructorAccessorImpl.java:77)
at
java.base/jdk.internal.reflect.DelegatingConstructorAccessorImpl.newInsta
nce (DelegatingConstructorAccessorImpl.java:45)
at
java.base/java.lang.reflect.Constructor.newInstanceWithCaller (Constructor
.java:499)
at
java.base/java.lang.reflect.Constructor.newInstance (Constructor.java:480)
at
org.openqa.selenium.remote.http.W3CHttpResponseCodec.createException (W3CH
ttpResponseCodec.java:187)
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org.openqa.selenium.remote.http.W3CHttpResponseCodec.decode (W3CHttpRespon
seCodec.java:49)
at
org.openqa.selenium.remote.HttpCommandExecutor.execute (HttpCommandExecuto
r.java:158)
at
org.openqa.selenium.remote.service.DriverCommandExecutor.execute (DriverCo
mmandExecutor.java:83)
at
org.openqa.selenium.remote.RemoteWebDriver.execute (RemoteWebDriver.java:5
52)

```

```

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:/Naveen%20Java%20Training/Cucumber/CucumberPomSeriesByKaranJulySevenA/src/test/resources/parallel/LoginPage.feature:13)

```

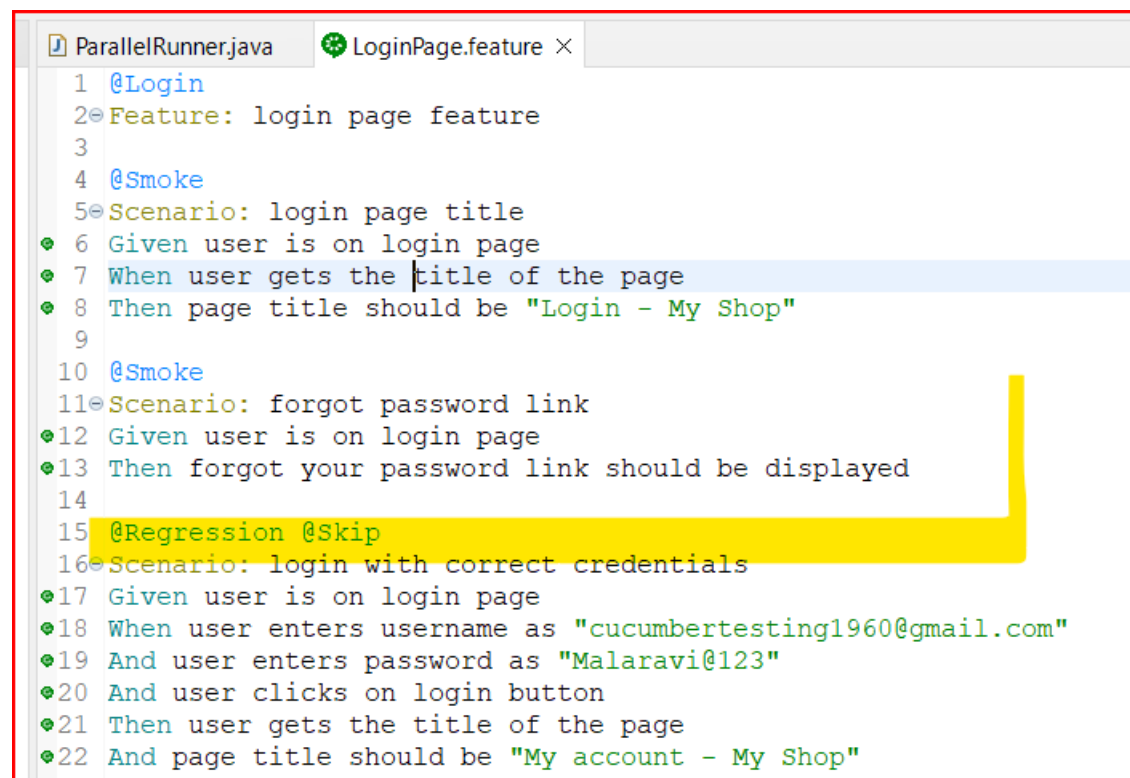
Default test

Tests run: 2, Failures: 1, Skips: 0

Default suite

Total tests run: 2, Failures: 1, Skips: 0

This is the scenario which is skipped-



The screenshot shows an IDE window with two tabs: 'ParallelRunner.java' and 'LoginPage.feature'. The 'LoginPage.feature' file is open and displays a Cucumber feature file with several scenarios. The scenario at line 15, '@Regression @Skip', is highlighted in yellow, indicating it is the one that was skipped. The feature file content is as follows:

```

1 @Login
2 Feature: login page feature
3
4 @Smoke
5 Scenario: login page title
6 Given user is on login page
7 When user gets the title of the page
8 Then page title should be "Login - My Shop"
9
10 @Smoke
11 Scenario: forgot password link
12 Given user is on login page
13 Then forgot your password link should be displayed
14
15 @Regression @Skip
16 Scenario: login with correct credentials
17 Given user is on login page
18 When user enters username as "cucumbertesting1960@gmail.com"
19 And user enters password as "Malaravi@123"
20 And user clicks on login button
21 Then user gets the title of the page
22 And page title should be "My account - My Shop"

```

Run using maven command-

To run from Jenkins or ci-cd pipeline, we need to give maven commands in the pipeline.

```
E:\Naveen Java Training\Cucumber\CucumberPomSeriesByKaranJulySevenA>mvn test -DCucumber.options="--tags '@Login and not @Skip'"
```

Output-

```
Command Prompt
[INFO]
[INFO] Results:
[INFO]
[ERROR] Failures:
[ERROR] parallel.ParallelRunner.runScenario(parallel.ParallelRunner)
[ERROR] Run 1: ParallelRunner.runScenario » NoSuchElement no such element: Unable to locate e...
[INFO] Run 2: PASS
[INFO]
[INFO]
[ERROR] Tests run: 1, Failures: 1, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 24.939 s
[INFO] Finished at: 2023-07-15T22:13:53+02:00
[INFO] -----
[WARNING]
[WARNING] Plugin validation issues were detected in 3 plugin(s)
[WARNING]
```

We can see the report path-

```
INFO: PDF report configuration YAML file not found. Using default settings.
????????????????????????????????????????????????????????????????????????????????
? View your Cucumber Report at: ?
? https://reports.cucumber.io/reports/ac821428-b4b2-40e8-bbf5-08eb1c83a4f9 ?
? ?
? This report will self-destruct in 24h. ?
? Keep reports forever: https://reports.cucumber.io/profile ?
????????????????????????????????????????????????????????????????????????????????[ERROR] T
Skipped: 0. Time elapsed: 19.057 s <<< FAILURE! - in parallel.ParallelRunner
```

In older version of cucumber there is issue. Two links are generated. One for skipped and one for passed.

```

ChromeDriver was started successfully.

View your Cucumber Report at:
https://reports.cucumber.io/reports/1e56457a-f758-47cb-b058-4261f244b574

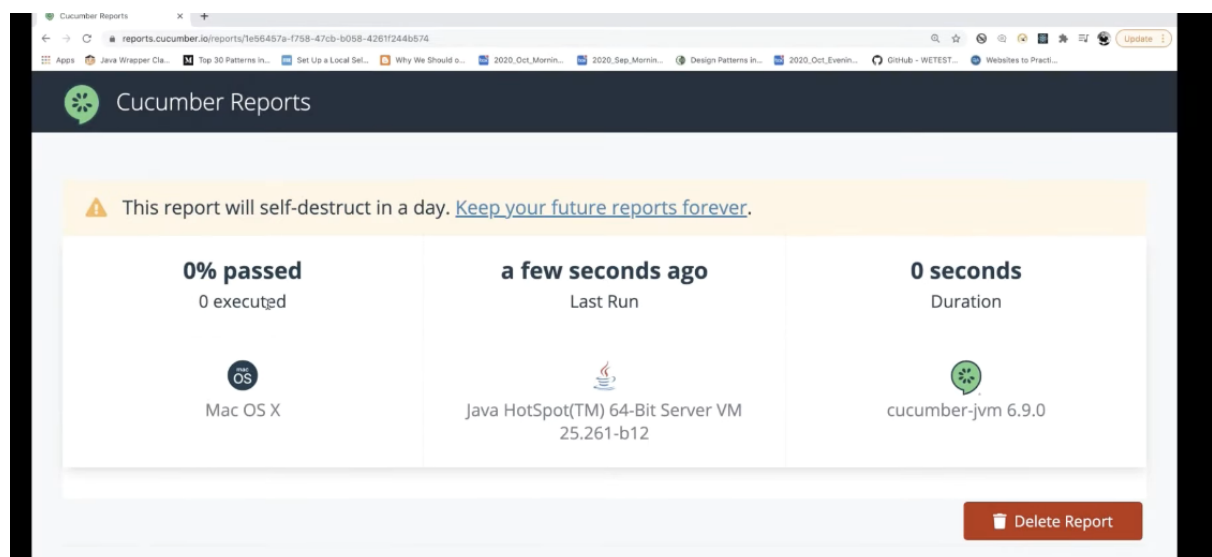
This report will self-destruct in 24h.
Keep reports forever: https://reports.cucumber.io/profile
Jan 17, 2021 2:10:00 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Jan 17, 2021 2:10:09 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Given user is on login page # parallel.LoginPageSteps.user_is_on_login
Given user is on login page # parallel.LoginPageSteps.user_is_on_login_page(
Page title is: Login - My Store
When user gets the title of the page # parallel.LoginPageSteps.user_gets_the_title_of
Then page title should be "Login - My Store" # parallel.LoginPageSteps.page_title_should_be(j
Then forgot your password link should be displayed # parallel.LoginPageSteps.forgot_your_pass
Jan 17, 2021 2:10:15 PM tech.grasshopper.pdf.PDFCucumberReport collectReportConfiguration
INFO: PDF report configuration not found. Using default settings.

View your Cucumber Report at:
https://reports.cucumber.io/reports/aa42d813-c4b5-414d-85ad-7157b3c2dca4

This report will self-destruct in 24h.
Keep reports forever: https://reports.cucumber.io/profile
[INFO] Tests run: 2
4.067 s - in TestSuite

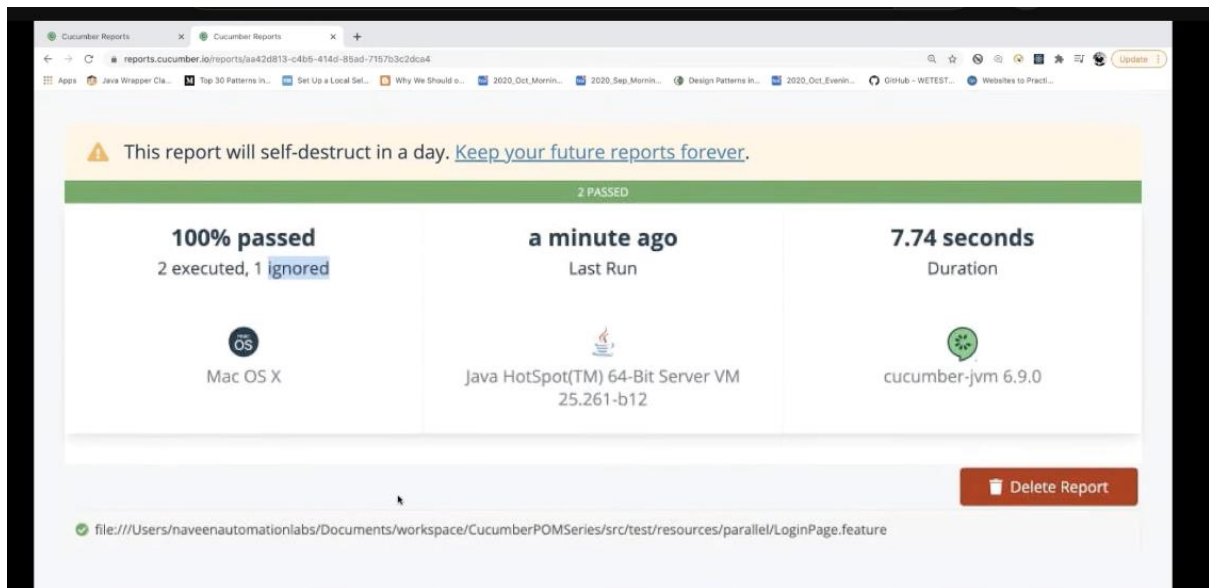
```

See the skipped one –

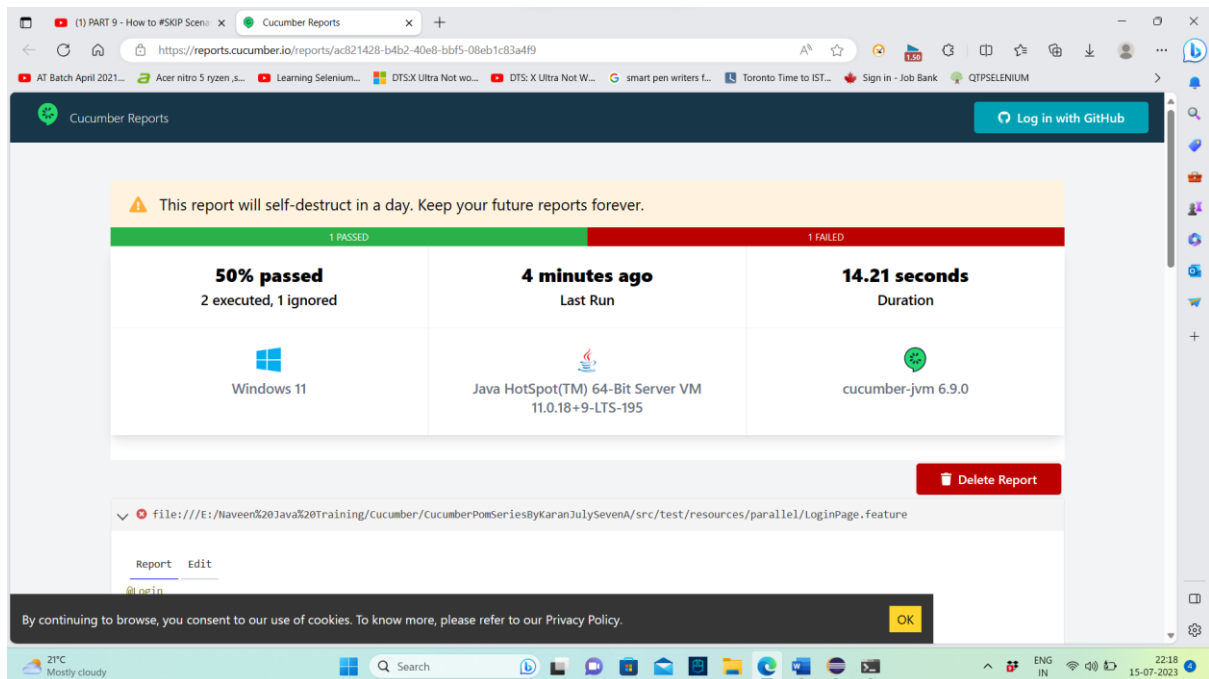


This does not give information still they are giving this report.

Not skipped one is giving proper information-



See the new version of cucumber has solved the issue-



Second way to skip test is using hooks-

Application hooks-

```
package parallel;

import static org.junit.Assume.assumeTrue;

import java.util.Properties;

import org.junit.Assume;
import org.openqa.selenium.OutputType;
```

```

import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;

import com.qa.factory.DriverFactory;
import com.qa.util.ConfigReader;

import io.cucumber.java.After;
import io.cucumber.java.Before;
import io.cucumber.java.Scenario;

public class ApplicationHooks {

    private DriverFactory driverFactory;
    private WebDriver driver;
    private ConfigReader configReader;
    private Properties prop;
    private String browserName;

    /**
     * we skip the scenario using the value and the order
     * @param scenario
     */
    @Before(value="@Skip", order=0)
    public void skipScenario(Scenario scenario) {
        System.out.println("skipped scenario is " + scenario.getName());
        Assume.assumeTrue(false);
    }

    @Before(order=1)
    public void getProperty() {
        configReader=new ConfigReader();
        prop=configReader.initProp();
    }

    @Before(order=2)
    public void launchBrowser() {
        browserName=prop.getProperty("browser");
        driverFactory=new DriverFactory();
        driver=driverFactory.init_driver(browserName); // we need to assign driver here,
else driver.quit will
        //give null pointer exception and the webdriver driver declared in step 16 is not
        pointing anywhere.
    }

    //note - in after the order works in reverse direction.
    //order = 2 is executed before order = 1 and order =0.

    @After(order=0)
    public void quitBrowser() {
        driver.quit();
    }
}

```

```

        @After(order=1)
        public void tearDown(Scenario scenario) {
            if(scenario.isFailed()) {
                //take screenshot
                String screenshotName=scenario.getName().replaceAll(" ", "_"); // replace
all space in file name with _
                byte []
sourcePath=((TakesScreenshot)driver).getScreenshotAs(OutputType.BYTES);// we keep the output
type as

                //bytes or base64 so that it is compatible with jenkins/ci/cd tool
scenario.attach(sourcePath, "image/png", screenshotName);

            }
        }
    }
}

```

Runner-

```

package parallel;

import org.testng.annotations.DataProvider;

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

@CucumberOptions(
    features = {"src/test/resources/parallel/LoginPage.feature"},
    glue = { "parallel" },
    monochrome=true,
    // tags = "not @Skip", // do not run @skip scenarios
    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();
    }
}

```

Output-

```

[RemoteTestNG] detected TestNG version 6.14.3
[TestNGContentHandler] [WARN] It is strongly recommended to add
"<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd" >" at the top
of your file, otherwise TestNG may fail or not work as expected.

@Login @Smoke
Scenario: forgot password link #
src/test/resources/parallel/LoginPage.feature:11

@Login @Regression @Skip
Scenario: login with correct credentials #
src/test/resources/parallel/LoginPage.feature:16

@Login @Smoke
Scenario: login page title #
src/test/resources/parallel/LoginPage.feature:5
skipped scenario is login with correct credentials
org.junit.AssumptionViolatedException: got: <false>, expected: is <true>
at org.junit.Assume.assumeThat(Assume.java:106)
at org.junit.Assume.assumeTrue(Assume.java:50)
at parallel.ApplicationHooks.skipScenario(ApplicationHooks.java:30)

browser value ischrome
browser value ischrome
browser value ischrome
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 41708
Only local connections are Saltlaorwteidn.g
PleCasher osmeeeD rhitvteprs :1/1/4c.h0r.o5m7e3d5r.i9v0e
r(.3c8h6rbocm0i9uem8.fo4rfg/security-c2oen0s2i5deedrdaateilo2n3sf 3f6ofr
suggestions o6n 2k6e3e0p9i6nage 4C9h-rroemfesD/rbirvaenrc hs-ahfeea.d
s
/5735@{#1052}) on port 30376
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for
suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Starting ChromeDriver 114.0.5735.90
(386bc09e8f4f2e025eddae123f36f6263096ae49-refs/Cbranch-
hheads/r5o7m3e5D@r{i#vler 0w5a2s} )s tarted successfully.
on port 44303
Only local connections are allowed.

```

```

Please see https://chromedriver.chromium.org/security-considerations for
suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jul 15, 2023 10:25:50 PM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected dialect: W3C
Jul 15, 2023 10:25:50 PM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected dialect: W3C
Jul 15, 2023 10:25:50 PM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected dialect: W3C
Given user is on login page #
parallel.LoginPageSteps.user_is_on_login_page()
When user enters username as "cucumbertesting1960@gmail.com" #
parallel.LoginPageSteps.user_enters_username_as(java.lang.String)
And user enters password as "Malaravi@123" #
parallel.LoginPageSteps.user_enters_password_as(java.lang.String)
And user clicks on login button #
parallel.LoginPageSteps.user_clicks_on_login_button()
Then user gets the title of the page #
parallel.LoginPageSteps.user_gets_the_title_of_the_page()
And page title should be "My account - My Shop" #
parallel.LoginPageSteps.page_title_should_be(java.lang.String)
Given user is on login page #
parallel.LoginPageSteps.user_is_on_login_page()
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.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-H560VJTV', 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..., userDataDir:
C:\Users\karan\AppData\Loca..., goog:chromeOptions: {debuggerAddress:
localhost:63712}, 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, webauthn:extension:credBlob:
true, webauthn:extension:largeBlob: true,
webauthn:extension:minPinLength: true, webauthn:extension:prf: true,
webauthn:virtualAuthenticators: true}
Session ID: 34c50efaf6fcd65891bcb4e3c249ce52
*** Element info: {Using=link text, value=Forgot your password?1111}
at
java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance0
(Native Method)

```

```

at
java.base/jdk.internal.reflect.NativeConstructorAccessorImpl.newInstance (
NativeConstructorAccessorImpl.java:77)
at
java.base/jdk.internal.reflect.DelegatingConstructorAccessorImpl.newInsta
nce (DelegatingConstructorAccessorImpl.java:45)
at
java.base/java.lang.reflect.Constructor.newInstanceWithCaller (Constructor
.java:499)
at
java.base/java.lang.reflect.Constructor.newInstance (Constructor.java:480)
at
org.openqa.selenium.remote.http.W3CHttpResponseCodec.createException (W3CH
ttpResponseCodec.java:187)
at
org.openqa.selenium.remote.http.W3CHttpResponseCodec.decode (W3CHttpRespon
seCodec.java:122)
at
org.openqa.selenium.remote.http.W3CHttpResponseCodec.decode (W3CHttpRespon
seCodec.java:49)
at
org.openqa.selenium.remote.HttpCommandExecutor.execute (HttpCommandExecuto
r.java:158)
at
org.openqa.selenium.remote.service.DriverCommandExecutor.execute (DriverCo
mmandExecutor.java:83)
at
org.openqa.selenium.remote.RemoteWebDriver.execute (RemoteWebDriver.java:5
52)
at
org.openqa.selenium.remote.RemoteWebDriver.findElement (RemoteWebDriver.ja
va:323)
at
org.openqa.selenium.remote.RemoteWebDriver.findElementByLinkText (RemoteWe
bDriver.java:380)
at org.openqa.selenium.By$ByLinkText.findElement (By.java:220)
at
org.openqa.selenium.remote.RemoteWebDriver.findElement (RemoteWebDriver.ja
va:315)
at
com.pages.LoginPageObject.isForgotPasswordLinkPresent (LoginPageObject.jav
a:35)
at
parallel.LoginPageSteps.forgot_your_password_link_should_be_displayed(Log
inPageSteps.java:39)
at ½.forgot your password link should be
displayed(file:///E:/Naveen%20Java%20Training/Cucumber/CucumberPomSeriesB
yKaranJulySevenA/src/test/resources/parallel/LoginPage.feature:13)

```

Embedding forgot_password_link [image/png 158345 bytes]

```

page title is Login - My Shop
When user gets the title of the page #
parallel.LoginPageSteps.user_gets_the_title_of_the_page()
Then page title should be "Login - My Shop" #
parallel.LoginPageSteps.page_title_should_be(java.lang.String)
Jul 15, 2023 10:26:03 PM tech.grasshopper.pdf.PDFCucumberReport
collectReportConfiguration
INFO: PDF report configuration YAML file not found. Using default
settings.

```

```

????????????????????????????????????????????????????????????????????????????????????
???
? View your Cucumber Report at: ?
? https://reports.cucumber.io/reports/89785fba-1e4a-408a-8434-
d23ee614318c ?
? ?
? This report will self-destruct in 24h. ?
? Keep reports forever: https://reports.cucumber.io/profile ?
????????????????????????????????????????????????????????????????????????????????
???PASSED: runScenario("login page title", "Optional[login page
feature]")
Runs Cucumber Scenarios
FAILED: runScenario("forgot password link", "Optional[login page
feature]")
Runs Cucumber Scenarios
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
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WINDOWS, proxy: Proxy(), setWindowRect: true, strictFileInteractability:
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unhandledPromptBehavior: dismiss and notify, webauthn:extension:credBlob:
true, webauthn:extension:largeBlob: true,
webauthn:extension:minPinLength: true, webauthn:extension:prf: true,
webauthn:virtualAuthenticators: true}
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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:/Naveen%20Java%20Training/Cucumber/CucumberPomSeriesByKaranJulySevenA/src/test/resources/parallel/LoginPage.feature:13)

SKIPPED: runScenario("login with correct credentials", "Optional[login
page feature]")
Runs Cucumber Scenarios
org.testng.SkipException: got: <false>, expected: is <true>
at
io.cucumber.testng.TestCaseResultObserver.lambda$assertTestCasePassed$1(TestCaseResultObserver.java:27)
at
io.cucumber.core.runtime.TestCaseResultObserver.assertTestCasePassed(TestCaseResultObserver.java:99)
at
io.cucumber.testng.TestCaseResultObserver.assertTestCasePassed(TestCaseResultObserver.java:23)
at
io.cucumber.testng.TestNGCucumberRunner.lambda$runScenario$0(TestNGCucumberRunner.java:117)
at
io.cucumber.core.runtime.CucumberExecutionContext.runTestCase(CucumberExecutionContext.java:117)
at
io.cucumber.testng.TestNGCucumberRunner.runScenario(TestNGCucumberRunner.java:113)
at
io.cucumber.testng.AbstractTestNGCucumberTests.runScenario(AbstractTestNGCucumberTests.java:31)
at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(NativeMethod)

```



```

at
java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:77)
at
java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.base/java.lang.reflect.Method.invoke(Method.java:568)
at
org.testng.internal.MethodInvocationHelper.invokeMethod(MethodInvocationHelper.java:124)
at org.testng.internal.Invoker.invokeMethod(Invoker.java:583)
at org.testng.internal.Invoker.invokeTestMethod(Invoker.java:719)
at
org.testng.internal.TestMethodWithDataProviderMethodWorker.call(TestMethodWithDataProviderMethodWorker.java:71)
at
org.testng.internal.TestMethodWithDataProviderMethodWorker.call(TestMethodWithDataProviderMethodWorker.java:14)
at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)
at
java.base/java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:539)
at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)
at
java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1136)
at
java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:635)
at java.base/java.lang.Thread.run(Thread.java:833)
Caused by: org.junit.AssumptionViolatedException: got: <false>, expected:
is <true>
at org.junit.Assume.assumeThat(Assume.java:106)
at org.junit.Assume.assumeTrue(Assume.java:50)
at parallel.ApplicationHooks.skipScenario(ApplicationHooks.java:30)

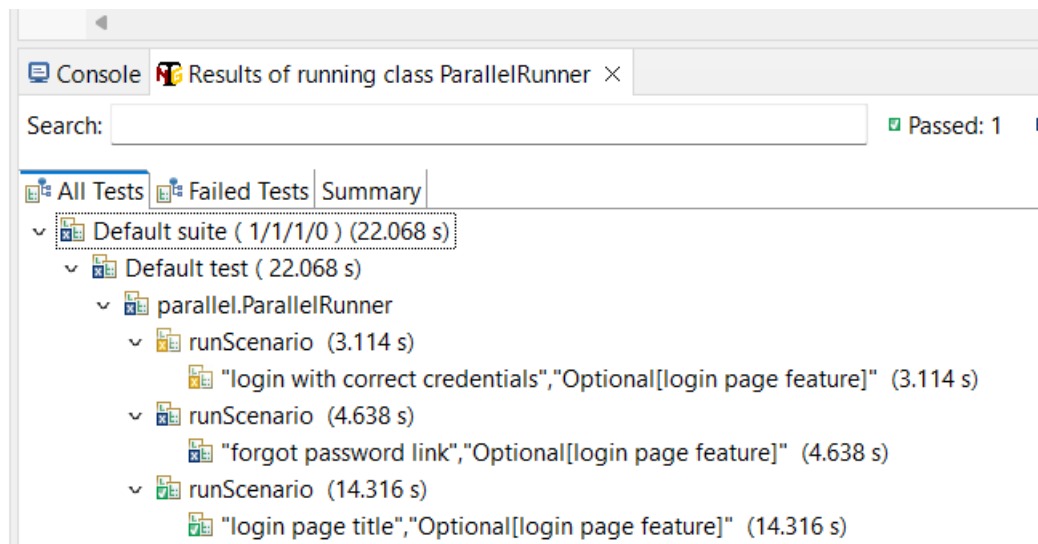
=====
Default test
Tests run: 3, Failures: 1, Skips: 1
=====

=====
Default suite
Total tests run: 3, Failures: 1, Skips: 1
=====

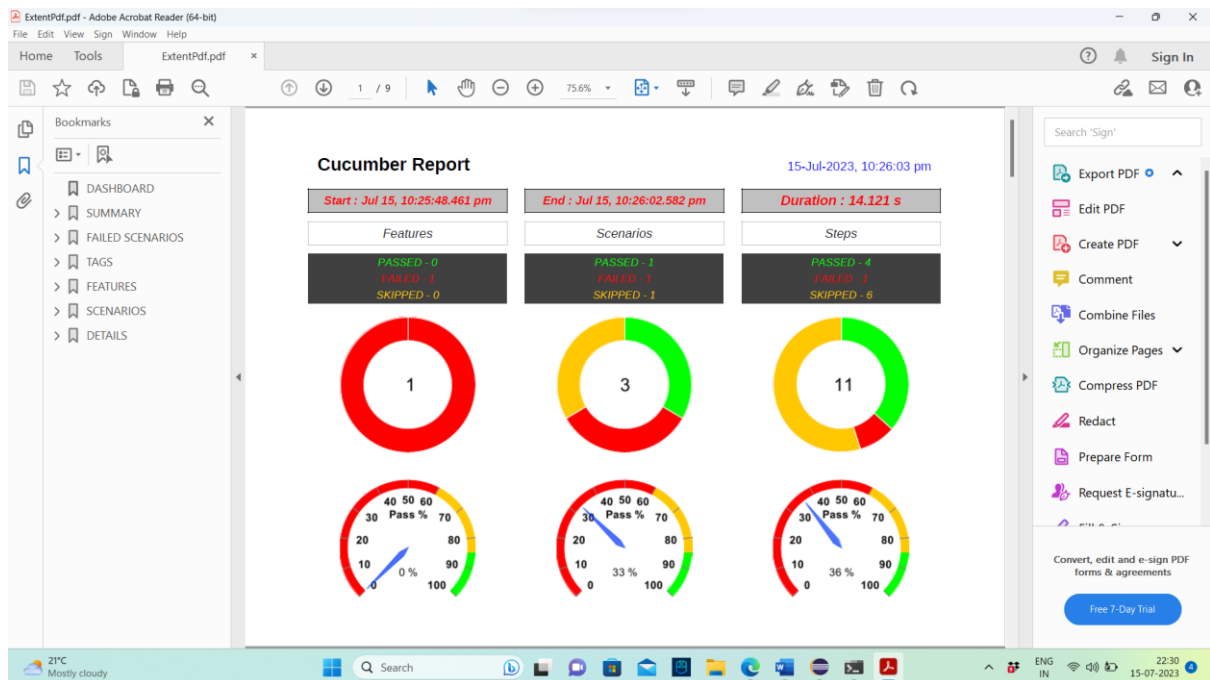
```

See testng results-

Skipped scenarios in yellow color.

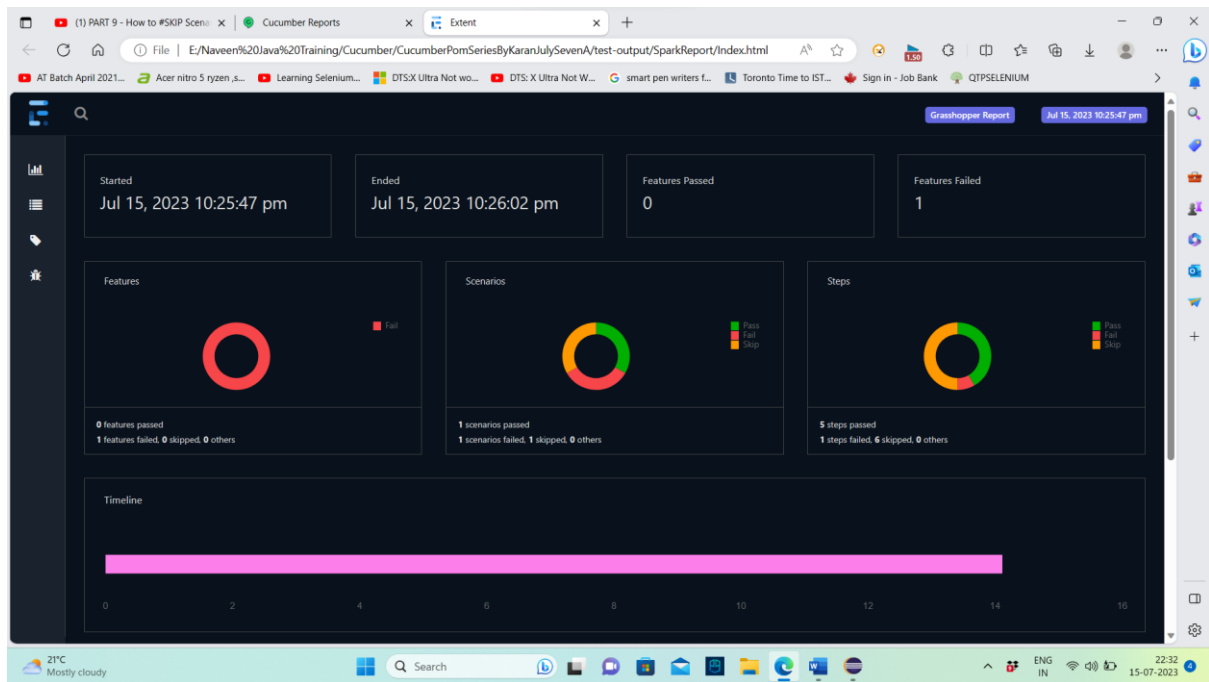


Extent pdf report-

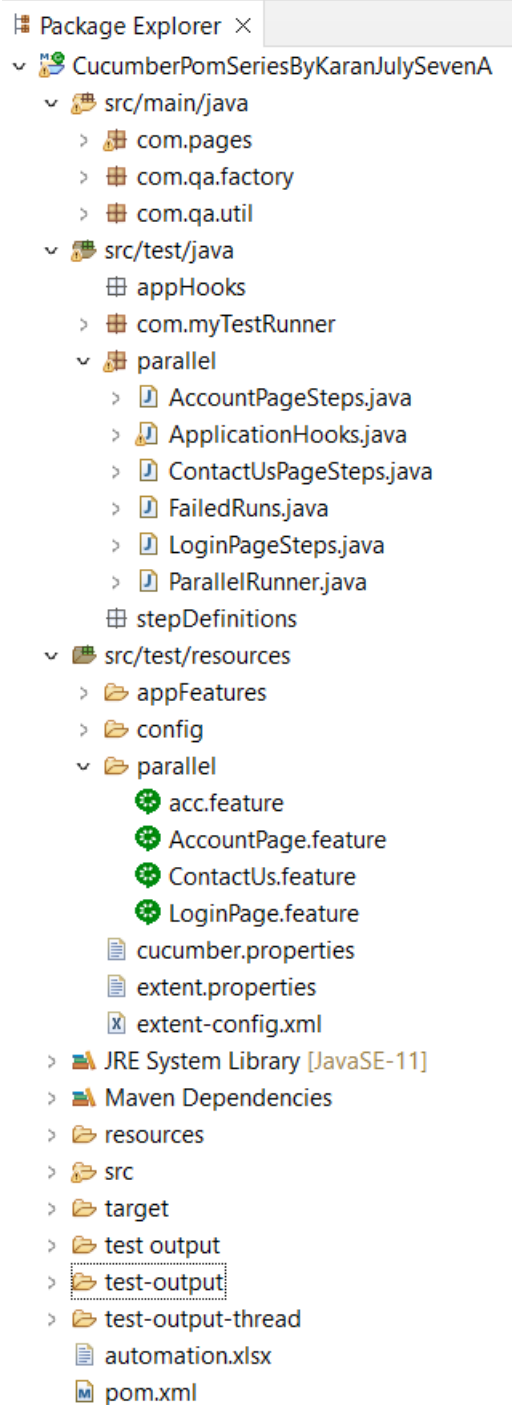


Even in pdf report, all yellow sections means they are skipped.

Index spark html report-



Project structure-



Codes from this chapter-

```
Runner-
package parallel;

import org.testng.annotations.DataProvider;

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

```

@CucumberOptions(
    features = {"src/test/resources/parallel/LoginPage.feature"},
    glue = { "parallel" },
    monochrome=true,
    // tags = "not @Skip", // do not run @skip scenarios
    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 abstracttestngcucumbertests
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();
    }
}

```

Feature-

@Login

Feature: login page feature

@Smoke

Scenario: login page title

Given user is on login page

When user gets the title of the page

Then page title should be "Login - My Shop"

@Smoke

Scenario: forgot password link

Given user is on login page

Then forgot your password link should be displayed

@Regression @Skip

Scenario: login with correct credentials

```

Given user is on login page
When user enters username as "cucumbertesting1960@gmail.com"
And user enters password as "Malaravi@123"
And user clicks on login button
Then user gets the title of the page
And page title should be "My account - My Shop"

```

Hooks-

package parallel;

import static org.junit.Assume.assumeTrue;

import java.util.Properties;

import org.junit.Assume;

import org.openqa.selenium.OutputType;

import org.openqa.selenium.TakesScreenshot;

import org.openqa.selenium.WebDriver;

import com.qa.factory.DriverFactory;

import com.qa.util.ConfigReader;

import io.cucumber.java.After;

import io.cucumber.java.Before;

import io.cucumber.java.Scenario;

public class ApplicationHooks {

private DriverFactory driverFactory;

private WebDriver driver;

private ConfigReader configReader;

private Properties prop;

private String browserName;

/**

* we skip the scenario using the value and the order

* @param scenario

*/

@Before(value="@Skip", order=0)

public void skipScenario(Scenario scenario) {

System.out.println("skipped scenario is " + scenario.getName());

Assume.assumeTrue(false);

}

@Before(order=1)

public void getProperty() {

configReader=new ConfigReader();

prop=configReader.initProp();

}

@Before(order=2)

public void launchBrowser() {

```

        browserName=prop.getProperty("browser");
        driverFactory=new DriverFactory();
        driver=driverFactory.init_driver(browserName); // we need to assign driver here,
else driver.quit will
        //give null pointer exception and the webdriver driver declared in step 16 is not
        pointing anywhere.
    }

    //note - in after the order works in reverse direction.
    //order = 2 is executed before order = 1 and order =0.

    @After(order=0)
    public void quitBrowser() {
        driver.quit();
    }

    @After(order=1)
    public void tearDown(Scenario scenario) {
        if(scenario.isFailed()) {
            //take screenshot
            String screenshotName=scenario.getName().replaceAll(" ", "_"); // replace
all space in file name with _
            byte []
sourcePath=((TakesScreenshot)driver).getScreenshotAs(OutputType.BYTES);// we keep the output
type as

            //bytes or base64 so that it is compatible with jenkins/ci/cd tool
            scenario.attach(sourcePath, "image/png", screenshotName);
        }
    }
}

```