A yellow sign with black text

Description automatically generated

# Ignore scenarios using tags-

Login feature-

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| --- |
| @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-

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| --- |
| **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 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();  }  } |

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 (386bc09e8f4f2e025eddae1S23f36tfa6r2t6i3n0g9 6Caher4o9m-erDerfisv/ebrr a1n1c4h.-0h.e5a7d3s5/5735@{#1052}) on port 9512  Only local connections are allowed.  Please se.e 9h0t t(p38s6:b/c/0c9her8f4ofm2eed0r2i5veeddra.ec1hr23ofm3i6ufm6.26o3r0g9/6saeec4u9r-iretfys-/cbornasnicdhe-rhaetaidos/5735@{#1052}) on port 15506  Onnlsy lfoocra ls ucogngneescttions 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.newInstance(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(W3CHttpResponseCodec.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 âœ½.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.newInstance(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(W3CHttpResponseCodec.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 ?.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  =============================================== |

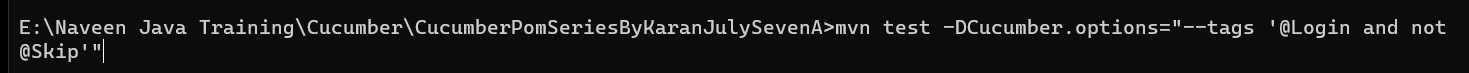
This is the scenario which is skipped-

A screenshot of a computer

Description automatically generated

Run using maven command-

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



Output-

A screenshot of a computer

Description automatically generated

We can see the report path-

A computer screen with white text

Description automatically generated

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

A screenshot of a computer

Description automatically generated

See the skipped one –

A screenshot of a computer

Description automatically generated

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

Not skipped one is giving proper information-

A screenshot of a computer

Description automatically generated

See the new version of cucumber has solved the issue-

A screenshot of a computer

Description automatically generated

# 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 toold  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.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 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();  }  } |

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-c2oen0s2i5deedrdaatei1o2n3sf 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#v1er 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-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: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.newInstance(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(W3CHttpResponseCodec.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 âœ½.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 10:26:03 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  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: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.newInstance(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(W3CHttpResponseCodec.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 ?.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$0(TestNGCucumberRunner.java:117)  at io.cucumber.core.runtime.CucumberExecutionContext.runTestCase(CucumberExecutionContext.java:117)  at io.cucumber.testng.TestNGCucumberRunner.runScenario(TestNGCucumberRunner.java:113)  at io.cucumber.testng.AbstractTestNGCucumberTests.runScenario(AbstractTestNGCucumberTests.java:31)  at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:77)  at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.base/java.lang.reflect.Method.invoke(Method.java:568)  at org.testng.internal.MethodInvocationHelper.invokeMethod(MethodInvocationHelper.java:124)  at org.testng.internal.Invoker.invokeMethod(Invoker.java:583)  at org.testng.internal.Invoker.invokeTestMethod(Invoker.java:719)  at org.testng.internal.TestMethodWithDataProviderMethodWorker.call(TestMethodWithDataProviderMethodWorker.java:71)  at org.testng.internal.TestMethodWithDataProviderMethodWorker.call(TestMethodWithDataProviderMethodWorker.java:14)  at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)  at java.base/java.util.concurrent.Executors$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.

A screenshot of a computer

Description automatically generated

Extent pdf report-

A screenshot of a computer

Description automatically generated

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

Index spark html report-

A screenshot of a computer

Description automatically generated

# Project structure-

A screenshot of a computer

Description automatically generated

# Codes from this chapter-

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| 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.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 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();  }  } |

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| 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" |

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| 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 toold  scenario.attach(sourcePath, "image/png", screenshotName);  }  }  } |