## **Specflow vs Cucumber**

### cucumber

# specflow

#### Feature File

File Name: loginToGmail.feature

Feature: Login to gmail Acccount

Scenario: Valid Users

**Given:** I am on gmail Login Page **When:** Enter username and password

And: Click on Login button

Then: User should be redirected to HomePage

And: welcome message is displayed with first Name

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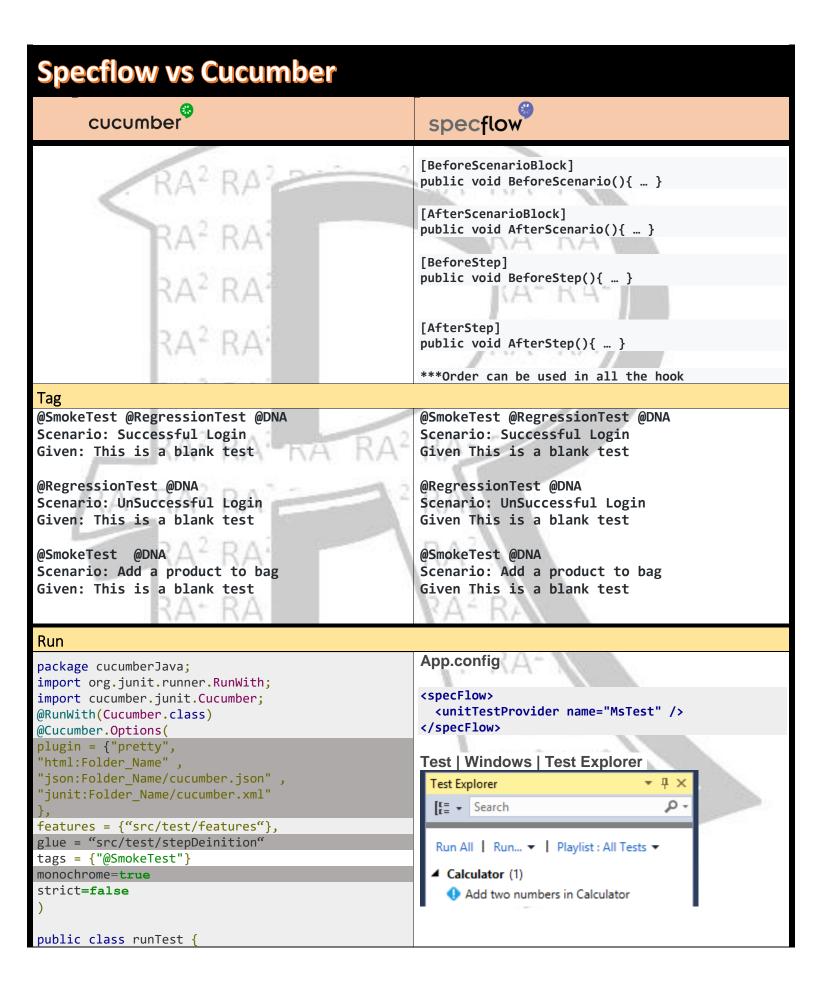
#### Step Definition File

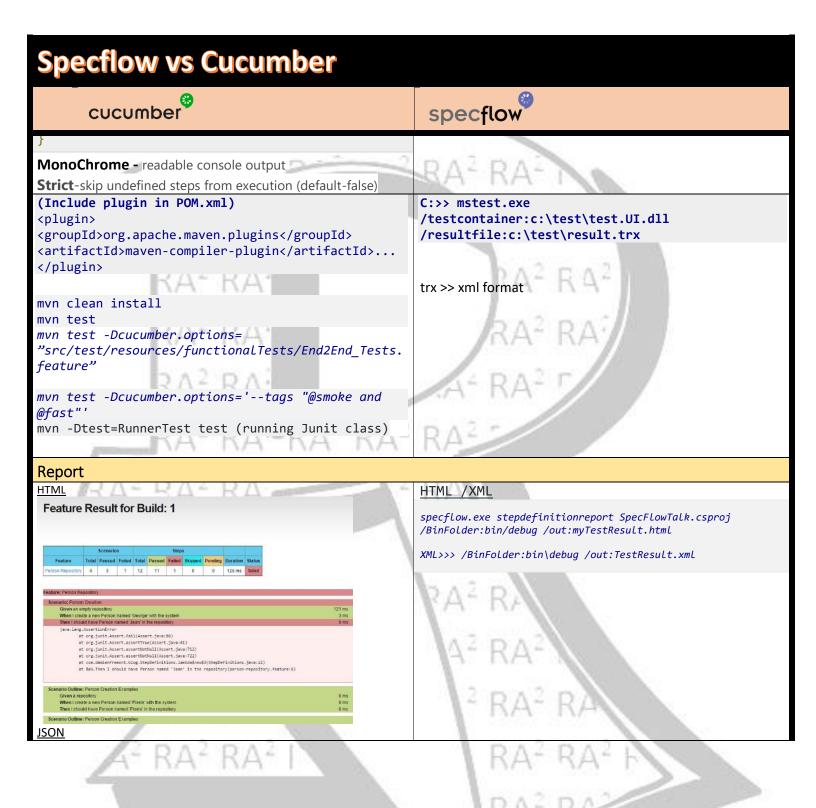
```
File Name: loginTOGmail.java
public class loginToGmail {
@Given("^I am on gmail Login Page$")]
public void launchGmailLogin(){
//...
@When("^Enter username and password$")]
public void enterUserNamePassword(){
//...
@When("^Click on Login button$")]
public void clickOnLoginButton(){
//...
@Then("^User should be redirected to HomePage$")]
public void verifyHomepage(){
//...
@Then("^welcome message is displayed with first
public void verifyWelcomeMessage(){
//...
```

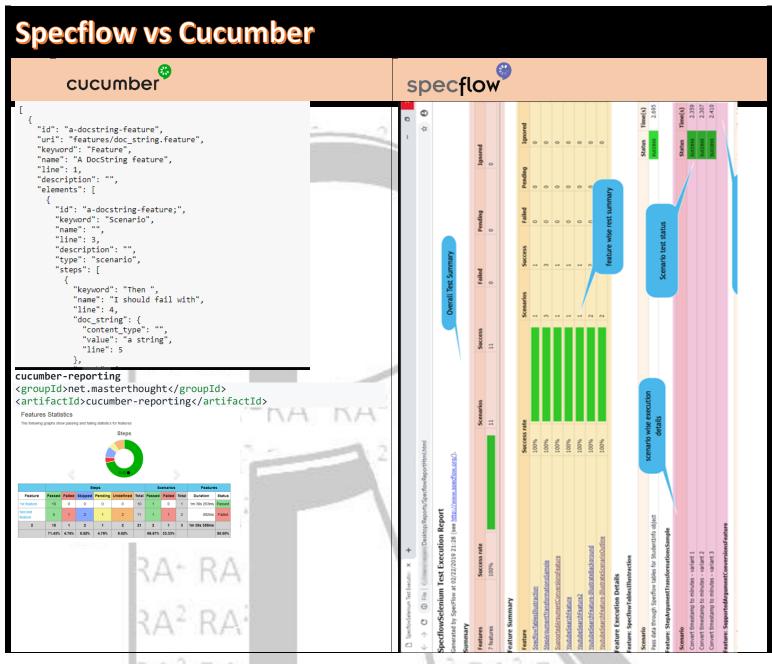
```
File Name: loginTOGmail.cs
[Binding]
public class loginToGmail {
[Given(@"I am on gmail Login Page")]
public void launchGmailLogin(){
//...
[When(@"Enter username and password")]
public void enterUserNamePassword(){
//...
[When(@"Click on Login button")]
public void clickOnLoginButton(){
//...
}
[Then(@"User should be redirected to HomePage")]
public void verifyHomepage(){
//...
}
[Then(@"welcome message is displayed with first
public void verifyWelcomeMessage(){
//...
}
```

#### **Specflow vs Cucumber** cucumber specflow Parameterization - Feature File Parameterization - Examples Scenario Outline: Various Valid Users Scenario Outline: Various Valid Users Given: I am on gmail Login Page Given I am on gmail Login Page When: Enter "<username>" and "<password>" When Enter <username> and <password> And: Click on Login button And Click on Login button Examples: Examples: username | password | username password username1 | password1 | username1 | password1 username2 | password2 | username2 | password2 | @When("^Enter \"(.\*)\" and \"(.\*)\"\$")] [When(@"Enter (.\*) and (.\*)")] public void enterUserNamePassword(String uName, public void enterUserNamePassword(String uName, String passwd){ String passwd){ //... //... Parameterization – Table Scenario: Various Valid Users Scenario: Various Valid Users Given: I am on gmail Login Page Given I am on gmail Login Page When: Enter the user name and password When Enter the user name and password | Username | Password | | Username | Password | username1 | password1 | username1 password1 username2 | password2 | username2 password2 And: Click on Login button And Click on Login button @When("^Enter the user name and password\$") [When(@"Enter the user name and password")] public void enterUserNamePassword(DataTable public void enterUserNamePassword(Table table) table){ List<List<String>> data= table.row(0); foreach (var row in table.Rows){ dictionary.Add(row[0], row[1]); username = data.get(0).get(0) passwd= data.get(0).get(1); address.Line1 = table.Rows[0]["Username"]; List<List<String>> data= table.asList(); address.Line1 = table.Rows[0]["Password "]; username = data.get(0).get(0) passwd= data.get(0).get(1); For(int i=0; i<table.RowCount;i++){</pre> String Text = table.Rows[i]["UserName"] List<Map<String,String>> data= String Text = table.Rows[i]["Password"] table.asMap(String.class, String.class); username = data.get(0).get('userName');

#### **Specflow vs Cucumber** cucumber specflow lable.ContainsColumn("Password") passwd= data.get(1).get('password'); SpecFlow Assist Helpers (techTalk.specflow.assit) var account = table.CreateInstance<Account>(); var products = table.CreateSet<Product>(); IEnumerable <dynamic> credentials = table.CreateDynamicSet(); foreach(var users in credentials){ IEnumerable <dynamic> credentials = table.CreateDynamicInstance(); foreach(var users in credentials){ ScenarioContext.Current["UserName"] = UserName1 ScenarioContext.Current.Add("UserName",UserName1) Get Var uname= ScenarioContext.Current["UserName1"]; Var uname= ScenarioContext.Current.Get<int>("UserName"); Data can be share between Steps by using Context Injection Hooks @Before(Order = 2) [BeforeTestRun(Order = 1)] public void Before2() { public static void BeforeTestRun1(){ ... } Run before executing each scenario [BeforeTestRun(Order = 2)] TY AT A public static void BeforeTestRun2(){ ... } @Before(Order = 1)[AfterTestRun] public void Before1() { public static void AfterTestRun(){ ... } Run before executing each scenario [BeforeFeature] public static void BeforeFeature(){ ... } @After public void After() { [AfterFeature] Run after executing each scenario public static void AfterFeature(){ ... } [BeforeScenario] | [Before] \*\*\*Order can be used in the cook hook public void BeforeScenario(){ ... } [AfterScenario] | [Before] public void AfterScenario(){ ... }







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