## **Specflow vs 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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**Then** User should be redirected to Home Page

**And** welcome message is displayed with first Name

### 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** specflow cucumber 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){ foreach (var row in table.Rows){ List<List<String>> data= table.row(0); 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
passwd= data.get(1).get('password');
                                                    lable.ContainsColumn("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)]
                                                   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(){ ... }
```







