



FREE eBook

LEARNING specflow

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#specflow

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About

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Chapter 1: Getting started with specflow

Remarks

This section provides an overview of what specflow is, and why a developer might want to use it.

It should also mention any large subjects within specflow, and link out to the related topics. Since the Documentation for specflow is new, you may need to create initial versions of those related topics.

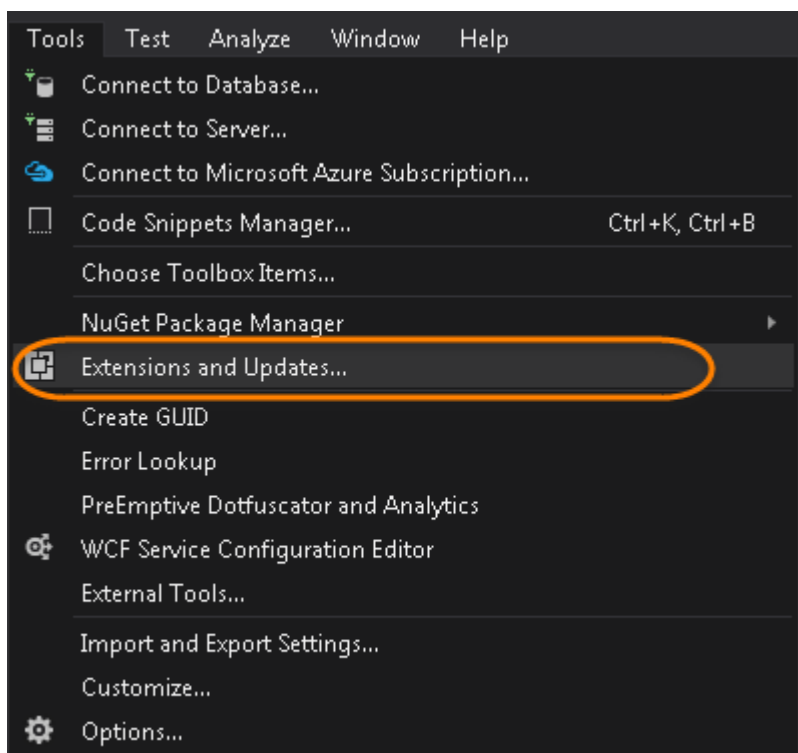
Examples

Setup for Specflow

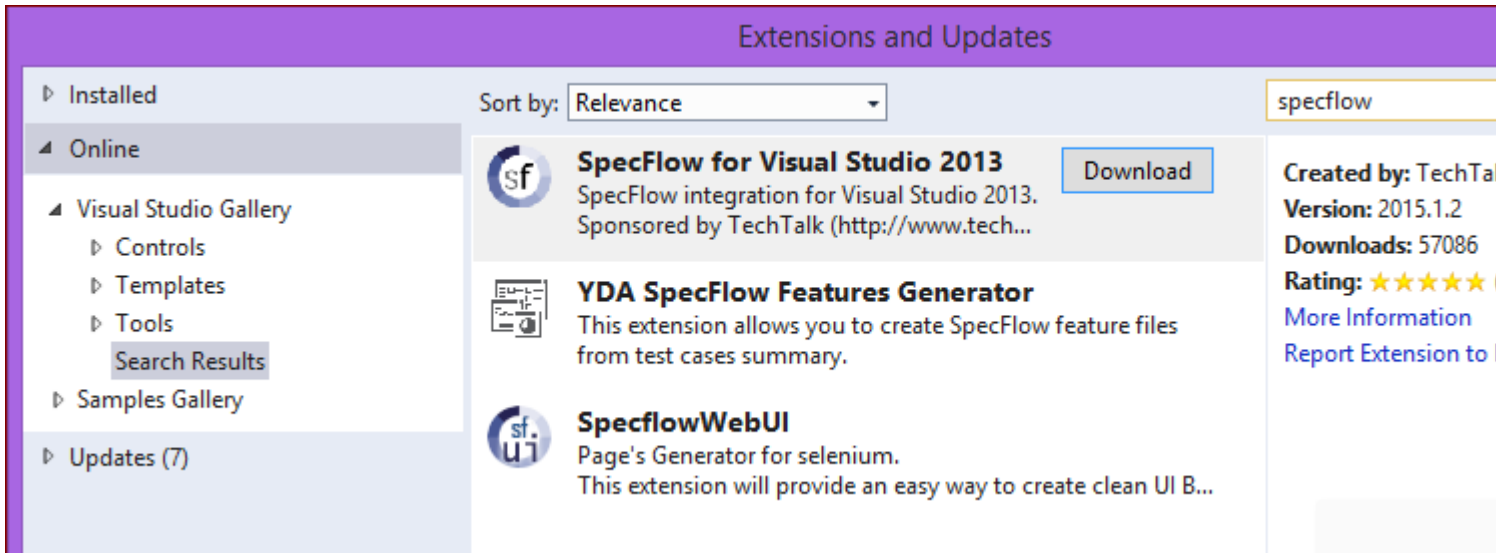
Pre -Requisite:

Download Visual Studio IDE

1. Create a new project
2. Install specflow visual studio integration, Nunit Adapter & Nunit framework



3. Download specflow for visual studio as shown below



A Simple Google Search using Specflow

This is a simple example to search in Google. It contains two parts,

1. Feature File
2. Step Definition File

Am not going into much details here as the code itself is self explanatory.

Feature File

```
Feature:Google  Key word search

@mytag

Scenario: search Spec Flow in Google search bar
Given I have entered the Google Home page
And I have entered spec flow into google search bar
When I press search button
Then the result should be a new pages with results for spec flow
```

Step Definition File

```
using OpenQA.Selenium;
using OpenQA.Selenium.Firefox;
using System;
using TechTalk.SpecFlow;
using static NUnit.Core.NUnitFramework;

namespace GoogleSearch.GoogleSearch
{
    [Binding]
    public class GoogleKeyWordSearchSteps
    {
        IWebDriver driver = new FirefoxDriver();
        [Given(@"I have entered the Google Home page")]
        public void GivenIHaveEnteredTheGoogleHomePage()
        {
            driver.Navigate().GoToUrl("https://www.google.co.nz");
        }
    }
}
```

Chapter 2: Specflow Basics

Introduction

You can write tests in non-technical way as below using specflow.

Specflow is an open source extension available in visual studio, that lets you to write specifications using Gherkin syntax.

Just if you are aware about cucumber for BDD approach, then specflow is cucumber for .net.

Examples

Example feature file

Example Feature file:

Feature: Calculator

```
In order to avoid silly mistakes
As a math idiot
I want to be told the sum of two numbers
```

@mytag

Scenario: Add two numbers

```
Given I have entered 50 into the calculator
And I have also entered 70 into the calculator
When I press add
Then the result should be 120 on the screen
```

Data Driven test in Specflow

```
Given I have entered <FirstOperand> into the calculator
And I have also entered <SecondOperand> into the calculator
When I press add
Then the result should be <Result> on the screen
|FirstOperand|SecondOperand|Result|
|20          |30          |50       |
|60          |40          |100      |
```

it will run test 2 times for 2 set of test data

Read Specflow Basics online: <https://riptutorial.com/specflow/topic/8121/specflow-basics>

Credits

S. No	Chapters	Contributors
1	Getting started with specflow	Aadhith Bose , Community , Priya
2	Specflow Basics	Priya , Rakesh Raut