PROJECT REPORT.

TO: BLUESKYCITADEL

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First Step is open Goggle browser and go to: https:// Visualstudio.microsoft.com

* Click on downloads for windows >>Community 2017, which is a free version even though other versions for instance Enterprise, Professionals but are licensed, so I will be using the Community 2017.
* After Downloading, it will then be Installed

The next Step will be creating a new Test Project by opening Visual Studio

* When the VS Page is displayed
* Click on File >> New>> Project and the New Project Page is Displayed

I then Click on TEST >> Unit Test Project(.NET Framework) and then I give my Project a name: Final Project and then make sure the CHECK BOX for create directory for solution so we can have my solutions in side a directory and I leave add to source control unchecked and click OK

Now a new Solution is created with the Title of the the solution page is displayed with 3 windows.

* Test Explorer
* Final Project will be displayed in the Middle where we are going to be writing our codes.
* Solution Explorer. In case Solution Explorer window is not displayed which does happen sometimes, click on VIEW>>Solution Explorer, it would then be displayed.

INTEGRATING SPECFLOW EXTENSION WITH VISUAL STUDIO IDE.

* Open Visual Studio, Once the page is displayed.
* Click on Tools >> Extension & Updates
* Click on Online inside the Left window to make sure am connected to internet to be able to browse
* Click on SEARCH BOX and Enter SPECFLOW for Visual Studio 2017

Once Displayed,

* Click on the Download button

Once Downloading is completed, a green arrow facing down should be displayed on the SpecFlow for visual Studio 2017, alternatively

* Click on the Installed button and an array of successfully downloaded Specflow Extension should be displayed.

Then a message would pop up, CHANGE WOULD BE RESCHELDULE

* Close Visual Studio completely
* Restart Visual Studio again
* Click on Modify
* Then CLOSE when its finished
* SHUTDOWN Visual Studio & RESTART again
* Click on INSTALLED and all installed Specflow Extension would be displayed with a green arrow facing down. This process is only done once

The next step is to create my first Test Project.

* Open Visual Studio
* Click on File>>>NEW>>> PROJECT

We are going to be creating a Test Project am going to be using the Test Template and then Unit Test Project(.NetFramework)

* Now I give my Project a name Final Training
* Click Ok
* Then my Project is created.

ADDING NUGGET PACKAGES.

* Open Visual Studio >> Click on Tools
* Click on Nugget Package Manager >>
* Click on Manage Nugget Package for Solutions

The following Nugget Packages are required;

* NUnit
* NUnit.Console
* NUnit. Runner
* NUnit. Console Runner
* NUnit3TestAdapter
* Specflow
* Specflow.NUnit
* SeleniumWebDriver
* Selenium Support
* Selenium.WebDriver.IEDriver
* Selenium.FireFox.WebDriver

Then I start installing the packages using the same method for each at a time.

* Click on Browse and type NU and the list will be displayed
* Click on NUnit
* Click on Project and the name of the project

Then the NUnit is installed, you can check this by clicking on your Output, installed items will be displayed. Make sure the package is fully installed before starting the next package. Apply the same process to installing each of the packages.

Once that’s completed you can confirm by clicking on your Apps.config and all nugget packages added will be displayed.

CHALLENGES ENCOUNTERED.

* Missed adding the Selenium Support while adding my nugget packages and all the test failed to run.
* I upgraded to the Specflow version 3.0.213 hoping to make it more effective but to the latter . it was unstable and not working properly.

CORRECTIVES MEASURES APPLIED.

* Installed Selenium Support and was able to run my Test, although it failed.
* Had to revert back to the older SpecFlow version 2.4.1 and everything back to normal.