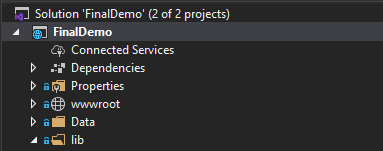
Setup testing environments

By: Hieu Nguyen

# Setup

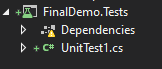
## xUnit

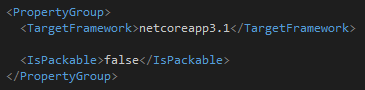
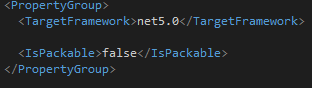
1. Right click on the project Solution -> Add -> New Project
2. Select xUnitTestProject(.NET Core)
3. Select the Project and copy TargetFramework





1. Select the xUnitTest project and replace the TargetFramework to match with the your project

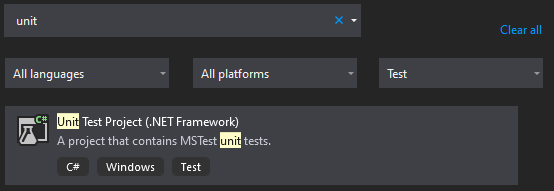




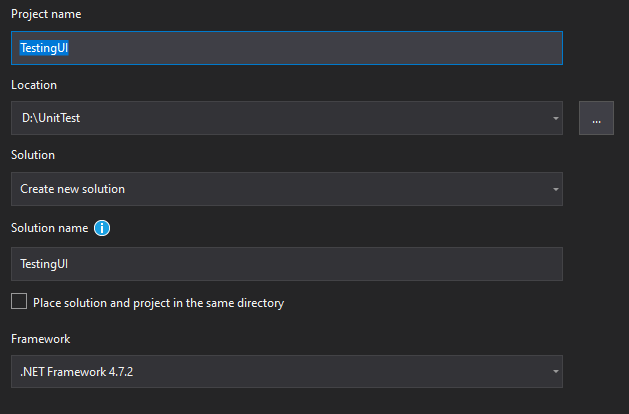
1. Right click xUnitTest project’s Dependencies -> Add Project Reference

## Selenium

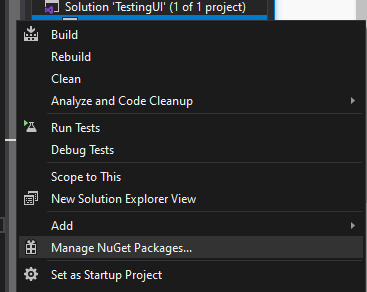
1. Right click on the project Solution -> Add -> New Project



1. Calling it TestingUI



1. Add Nuget packages



In the Browse Tab, search for Selenium, install:

Selenium.WebDriver

Selenium.WebDriver.ChromeDriver

Selenium.WebDriver.IEDriver

Selenium.FireFox.webDriver

1. Create the test

using System;

using System.Text;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using OpenQA.Selenium;

using OpenQA.Selenium.Firefox;

using OpenQA.Selenium.Chrome;

using OpenQA.Selenium.IE;

namespace TestingUI

{

[TestClass]

public class MySeleniumTests

{

private TestContext testContextInstance;

private IWebDriver driver;

private string appURL;

public MySeleniumTests()

{

}

[TestMethod]

[TestCategory("Chrome")]

public void TheBingSearchTest()

{

driver.Navigate().GoToUrl(appURL + "/");

driver.FindElement(By.Id("sb\_form\_q")).SendKeys("Azure Pipelines");

//driver.Manage().Timeouts().ImplicitWait = TimeSpan.FromSeconds(10);

driver.FindElement(By.Id("sb\_form\_q")).SendKeys(Keys.Enter);

//driver.Manage().Timeouts().ImplicitWait = TimeSpan.FromSeconds(10);

driver.FindElement(By.XPath("//ol[@id='b\_results']/li/h2/a")).Click();

Assert.IsTrue(driver.Title.Contains("Azure Pipelines"), "Verified title of the page");

}

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

[TestInitialize()]

public void SetupTest()

{

appURL = "http://www.bing.com/";

string browser = "chrome";

switch (browser)

{

case "chrome":

driver = new ChromeDriver();

break;

case "FireFox":

driver = new FirefoxDriver();

break;

case "IE":

driver = new InternetExplorerDriver();

break;

default:

driver = new ChromeDriver();

break;

}

}

[TestCleanup()]

public void MytestCleanup()

{

driver.Quit();

}

}

}