

# Unit Testing Instructions

Last Updated: September 20, 2015

## Step-by-Step Guide

Unfortunately it turns out that VS 2015 Express IDE is restricted (Thank you Microsoft!) in the sense that you can search and install necessary extensions to run unit tests within the IDE.

No worries! We can still do our testing for this course, but in somewhat a twisted way.

I tried to summarize how you can make sure your assignments can pass the unit tests provided.

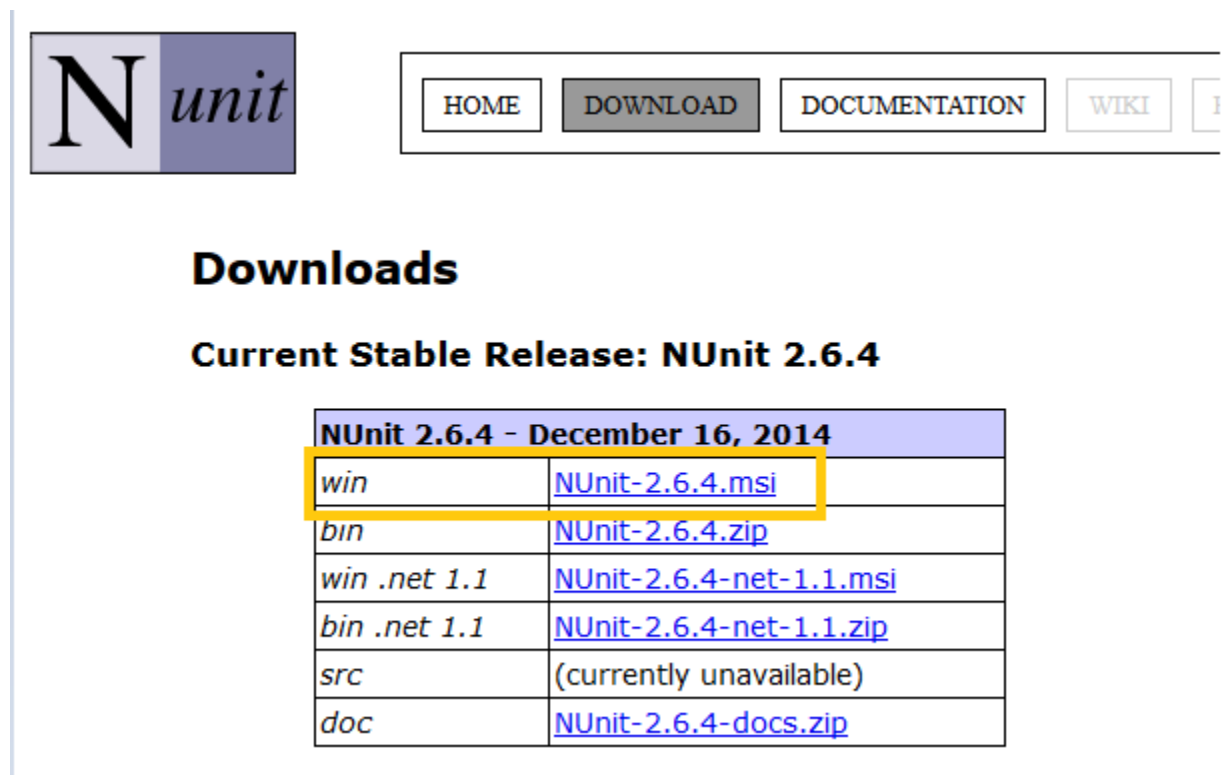
Hope this helps, and again, let me or your TA know about issues if you get stuck.

*\*\*\*Before going through the steps before, make sure you pulled the assignment from GitHub and built the solution including the Test project.*

### Download NUnit GUI Runner

1. Go to NUnit page and download the latest package there and run the installer with all defaults selected (i.e. do not change anything on the installer options, just run through)

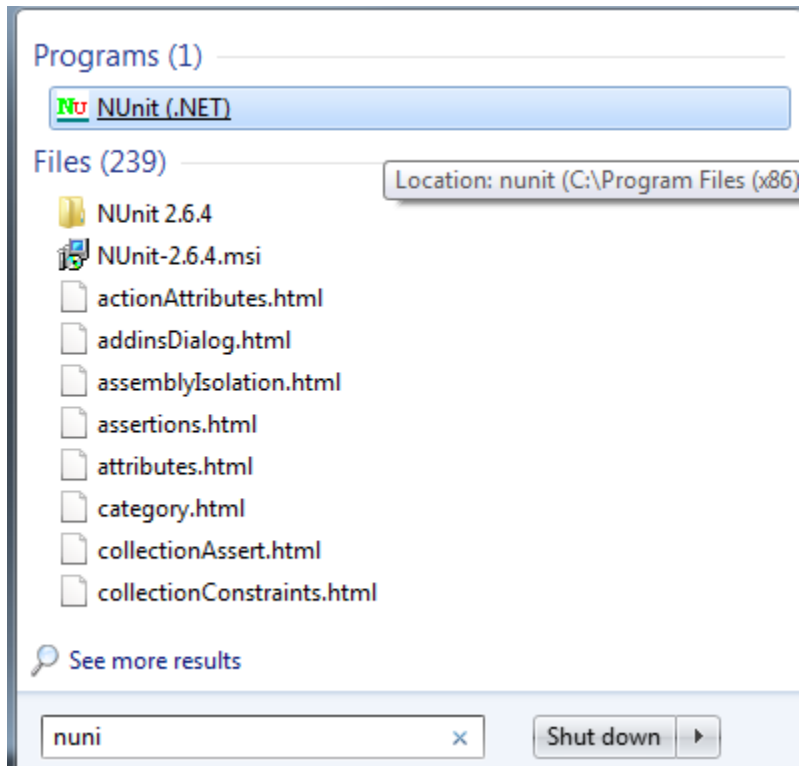
<http://www.nunit.org/index.php?p=download>



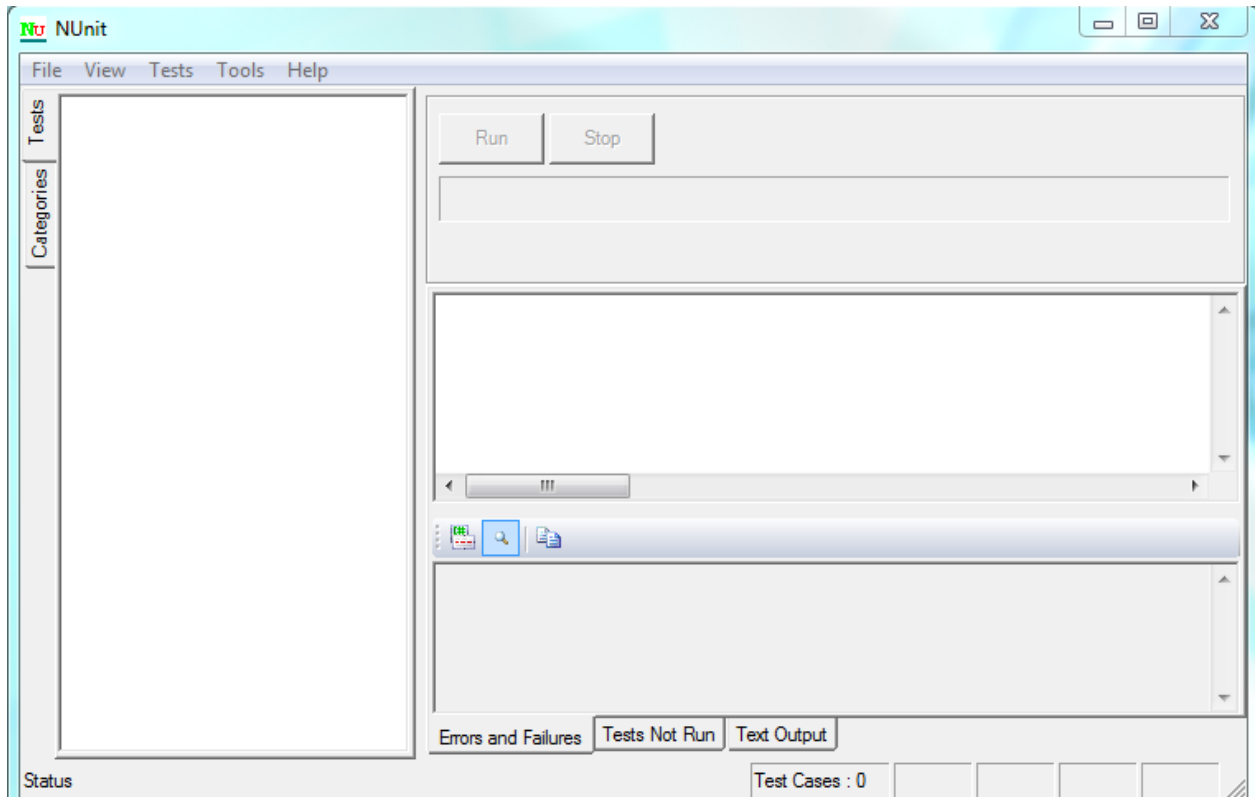
The screenshot shows the NUnit website's 'Downloads' section. At the top is the NUnit logo and a navigation bar with links: HOME, DOWNLOAD, DOCUMENTATION, WIKI, and I. Below the navigation bar is the heading 'Downloads' and 'Current Stable Release: NUnit 2.6.4'. A table lists download options for NUnit 2.6.4 - December 16, 2014. The 'win' option is highlighted with a yellow box, showing the download link 'NUnit-2.6.4.msi'.

NUnit 2.6.4 - December 16, 2014	
win	<a href="#">NUnit-2.6.4.msi</a>
bin	<a href="#">NUnit-2.6.4.zip</a>
win .net 1.1	<a href="#">NUnit-2.6.4-net-1.1.msi</a>
bin .net 1.1	<a href="#">NUnit-2.6.4-net-1.1.zip</a>
src	(currently unavailable)
doc	<a href="#">NUnit-2.6.4-docs.zip</a>

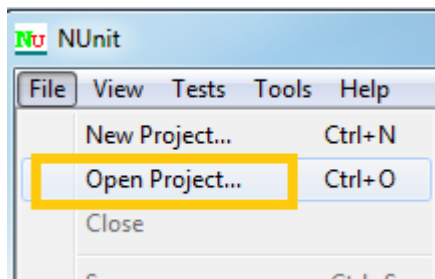
2. On your *Start* button you should see the NUnit application installed



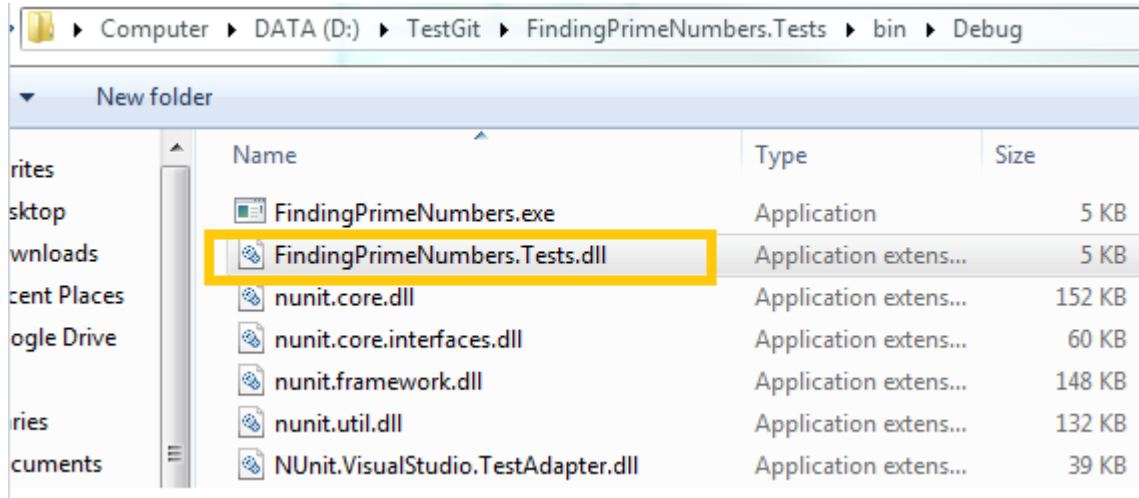
- Click on it and you should be presented a GUI like the one below



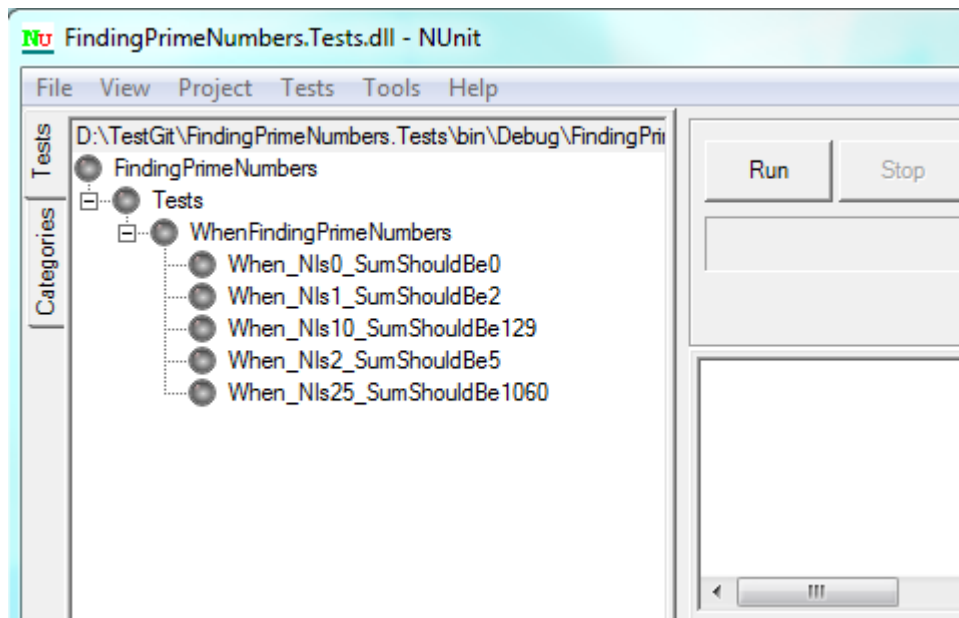
- Go to *Open Project* option



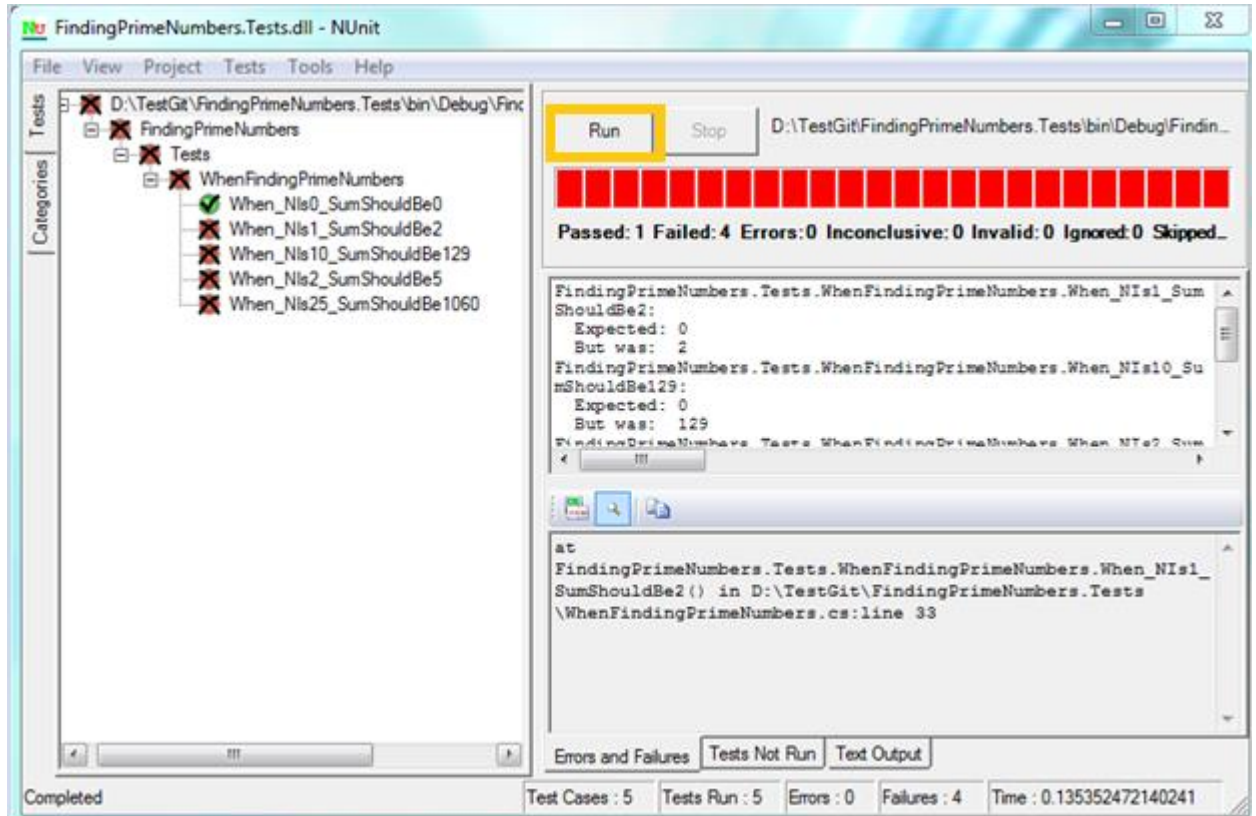
- From the dialog window find the Test *dll* – In this case it is *FindingPrimeNumbers.Tests.dll* – and click on *Open*



- You should see NUnit GUI loading all the tests that are available to you



- When you *Run* the tests, you should see that all but except the first one fails – This is because there is no implementation in place.



That is all! Good luck! Make sure all the tests (if provided) are passed before completing your assignment, and please do not change anything about the tests.