StyleCop Instructions

Last Updated: September 20, 2015

Step-by-Step Guide

Same thing with what happened with NUnit and unit tests, 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. This means you cannot just install StyleCop as an extension and then just go. You need to take some additional steps to make it work.

I found a way to modify the project that would house your solution such that, if installed StyleCop should be working. Tested this on VS 2015 Express on my box and worked.

I tried to summarize how you can make sure your assignments can pass the enforced style.

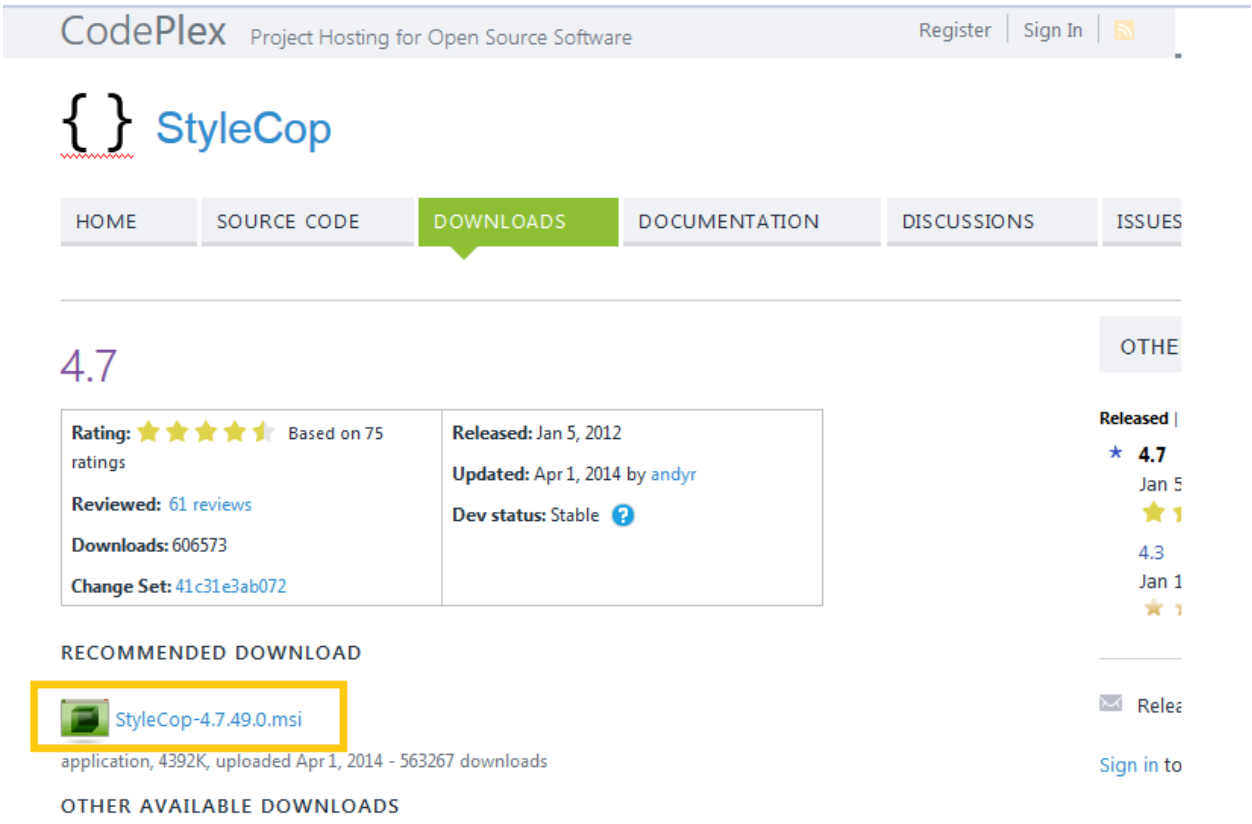
Hope this helps, and again, this is not battle tested yet, so let me or your TA know about issues if you get stuck.

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

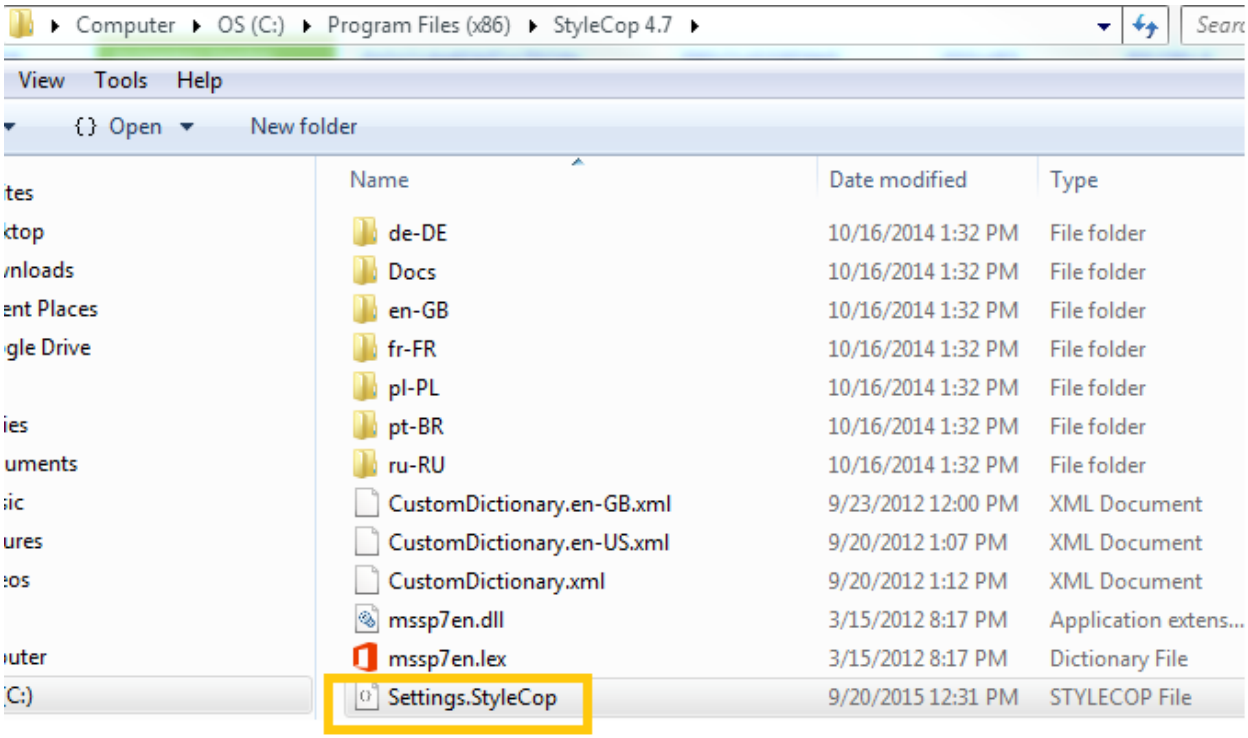
Download NUnit GUI Runner

1. Go to StyleCope page below 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://stylecop.codeplex.com/releases/view/79972

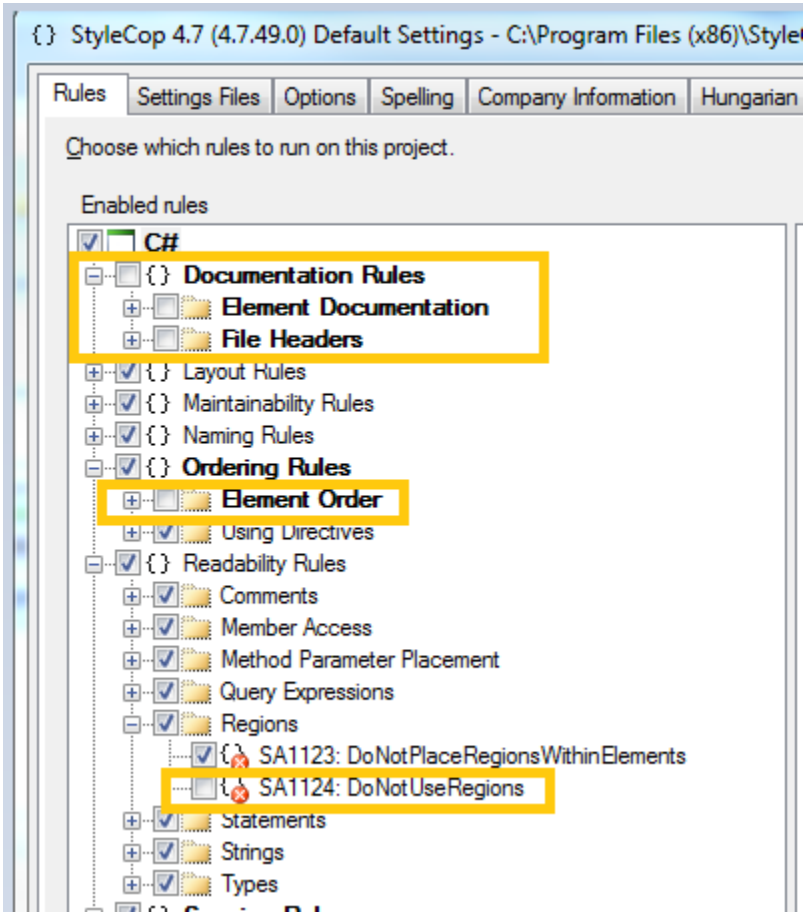

CodePlex Project Hosting for Open Source Software
Register
Sign In
StyleCop
HOME
SOURCE CODE
DOWNLOADS
DOCUMENTATION
DISCUSSIONS
ISSUES
4.7
Rating: Based on 75 ratings
Reviewed: 61 reviews
Downloads: 606573
Change Set: 41c31e3ab072
Released: Jan 5, 2012
Updated: Apr 1, 2014 by andyr
Dev status: Stable
RECOMMENDED DOWNLOAD
StyleCop-4.7.49.0.msi
application, 4392K, uploaded Apr 1, 2014 - 563267 downloads
OTHER AVAILABLE DOWNLOADS
OTHE
Released
4.7
Jan 5
4.3
Jan 1
Sign in to

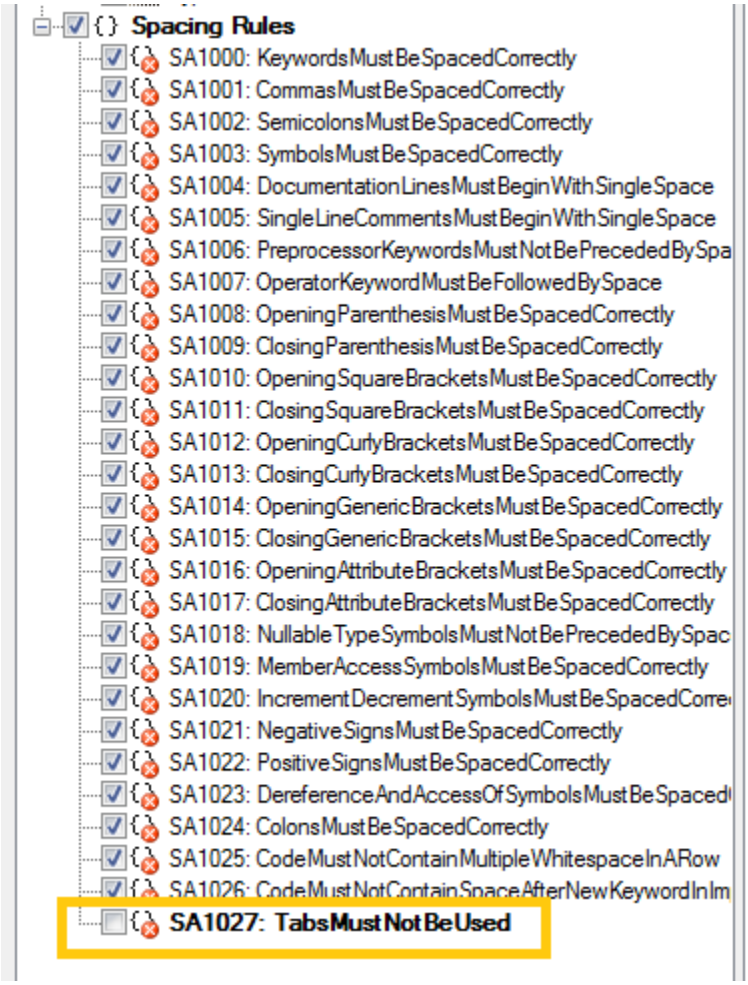
2. Once the installation is completed, then go and find your *Settings.StyleCop* file
   In my case it was hidden under *C:\Program Files (x86)\StyleCop 4.7*



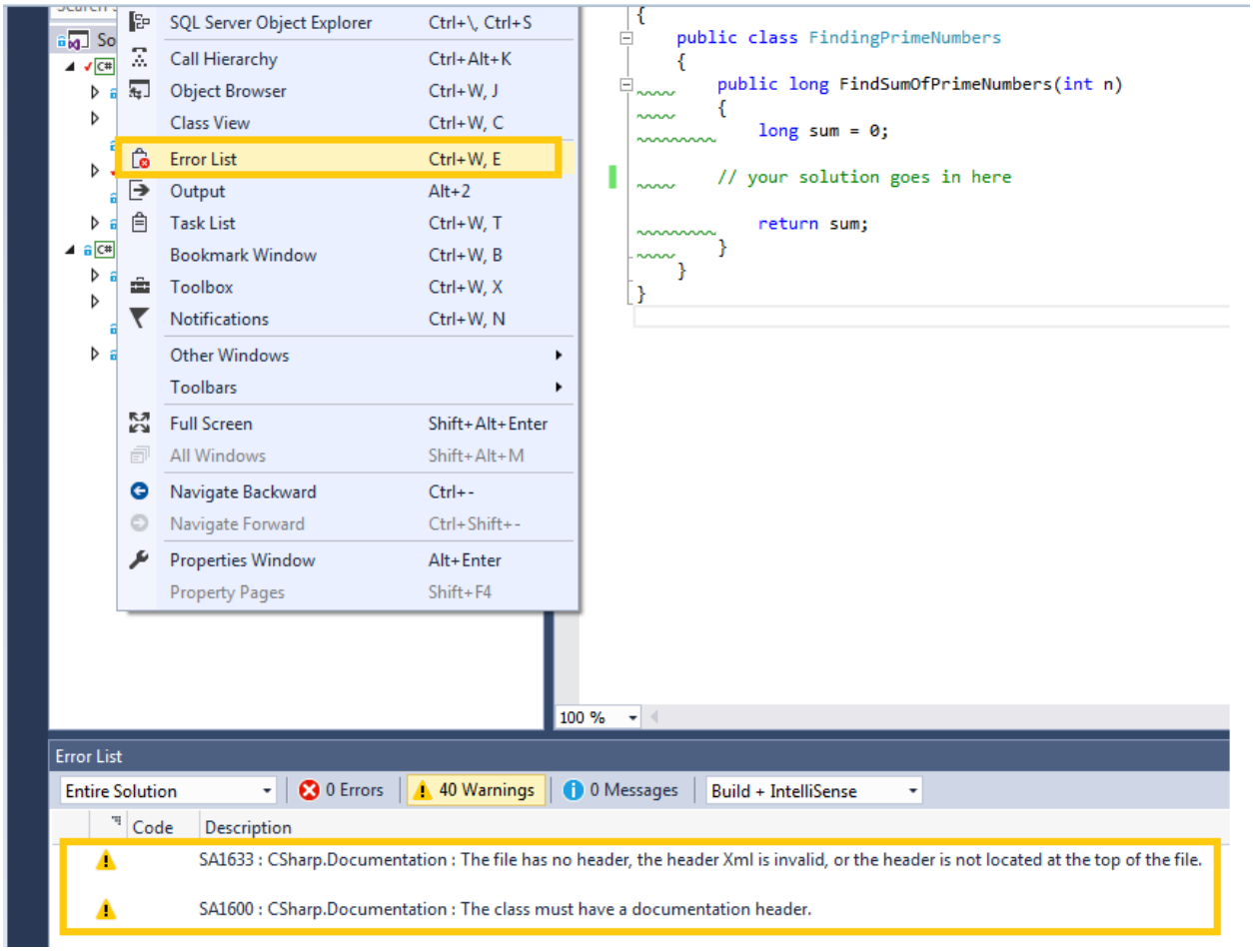
3. Next step is to disable some of the rules. Unfortunately I tried to copy over my *Settings.StyleCop* file to a clean environment, but when I re-built the file was generated from scratch hence overwriting all my rules and reverting it back to the default. I will take a look at this again, but for now please do this manually just to get over with it.

   So double click on the *Settings.StyleCop* file and uncheck all the rules that is posted in the screenshot below


StyleCop 4.7 (4.7.49.0) Default Settings - C:\Program Files (x86)\Style
Rules
Settings Files
Options
Spelling
Company Information
Hungarian
Choose which rules to run on this project.
Enabled rules
C#
Documentation Rules
Element Documentation
File Headers
Layout Rules
Maintainability Rules
Naming Rules
Ordering Rules
Element Order
Using Directives
Readability Rules
Comments
Member Access
Method Parameter Placement
Query Expressions
Regions
SA1123: DoNotPlaceRegionsWithinElements
SA1124: DoNotUseRegions
Statements
Strings
Types


Spacing Rules
SA1000: KeywordsMustBeSpacedCorrectly
SA1001: CommasMustBeSpacedCorrectly
SA1002: SemicolonsMustBeSpacedCorrectly
SA1003: SymbolsMustBeSpacedCorrectly
SA1004: DocumentationLinesMustBeginWithSingleSpace
SA1005: SingleLineCommentsMustBeginWithSingleSpace
SA1006: PreprocessorKeywordsMustNotBePrecededBySpa
SA1007: OperatorKeywordMustBeFollowedBySpace
SA1008: OpeningParenthesisMustBeSpacedCorrectly
SA1009: ClosingParenthesisMustBeSpacedCorrectly
SA1010: OpeningSquareBracketsMustBeSpacedCorrectly
SA1011: ClosingSquareBracketsMustBeSpacedCorrectly
SA1012: OpeningCurlyBracketsMustBeSpacedCorrectly
SA1013: ClosingCurlyBracketsMustBeSpacedCorrectly
SA1014: OpeningGenericBracketsMustBeSpacedCorrectly
SA1015: ClosingGenericBracketsMustBeSpacedCorrectly
SA1016: OpeningAttributeBracketsMustBeSpacedCorrectly
SA1017: ClosingAttributeBracketsMustBeSpacedCorrectly
SA1018: NullableTypeSymbolsMustNotBePrecededBySpac
SA1019: MemberAccessSymbolsMustBeSpacedCorrectly
SA1020: IncrementDecrementSymbolsMustBeSpacedCorre
SA1021: NegativeSignsMustBeSpacedCorrectly
SA1022: PositiveSignsMustBeSpacedCorrectly
SA1023: DereferenceAndAccessOfSymbolsMustBeSpaced
SA1024: ColonsMustBeSpacedCorrectly
SA1025: CodeMustNotContainMultipleWhitespaceInARow
SA1026: CodeMustNotContainSpaceAfterNewKeywordInIm
SA1027: TabsMustNotBeUsed

4. Now when you build your solution, if you go to your *Error List* window, if there is anything that does not satisfy the style rules, then you should see it as a warning in the *Error List* window



This should be it! Good luck! Make sure before posting your assignment, you don't get any *StyleCop* warnings.