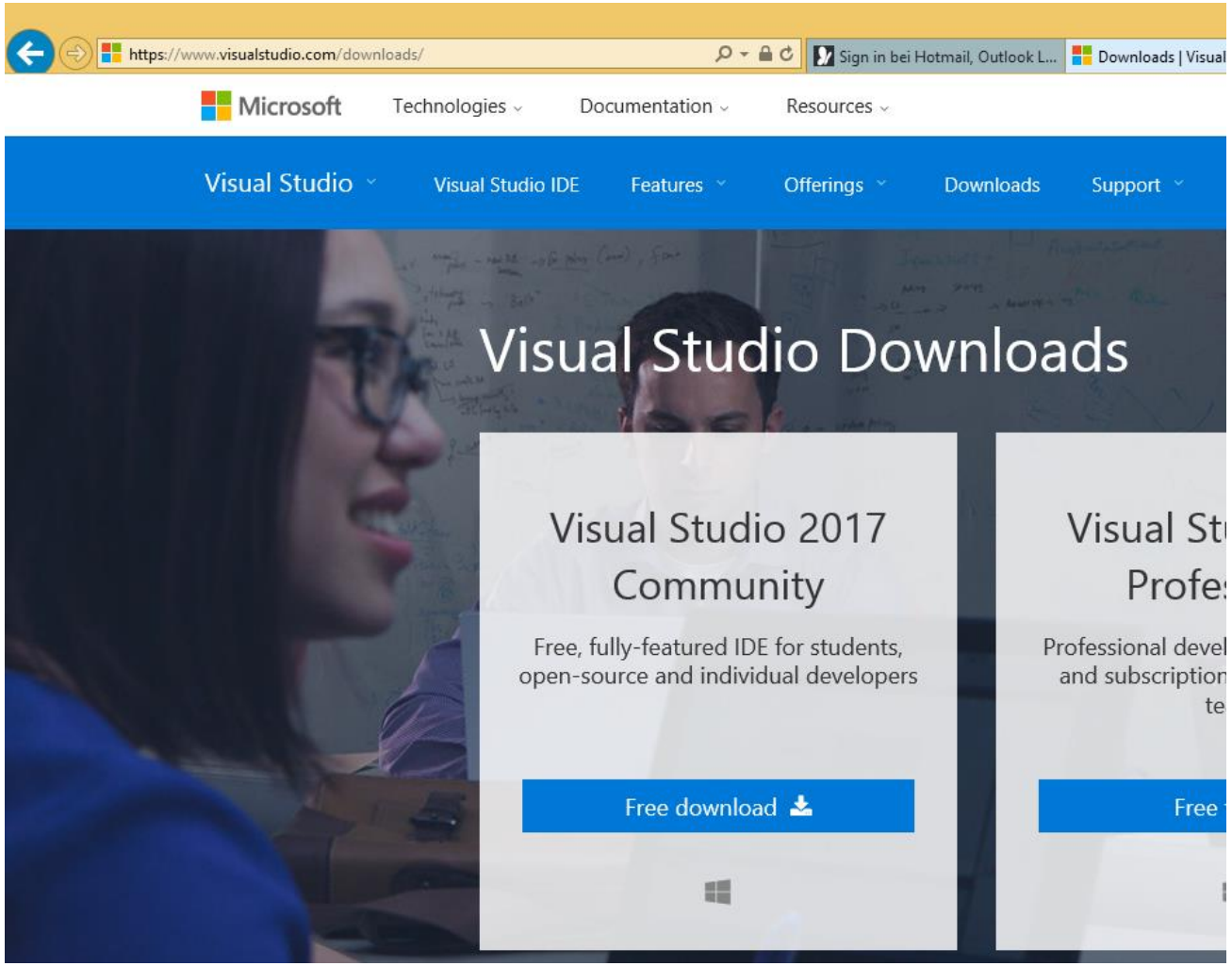
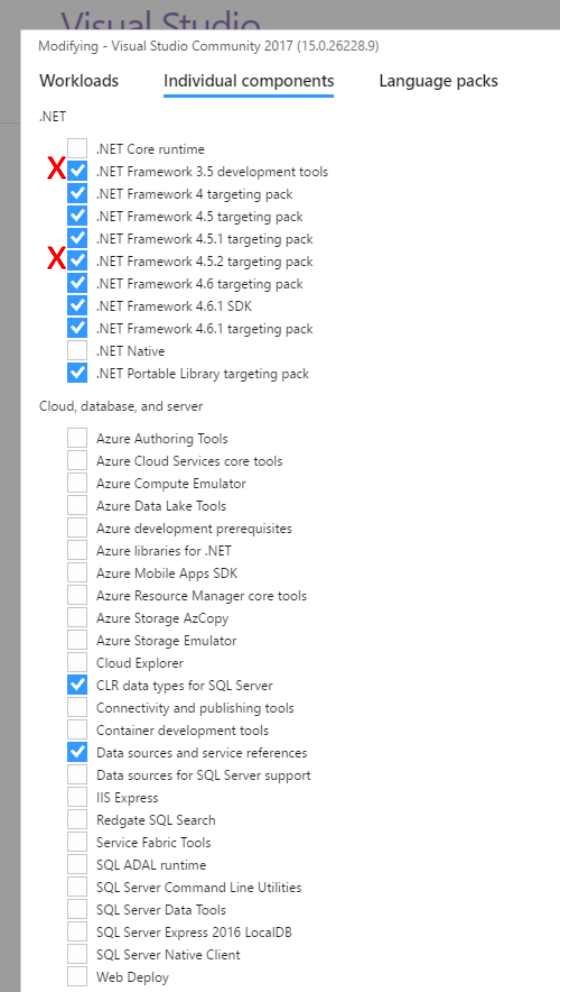
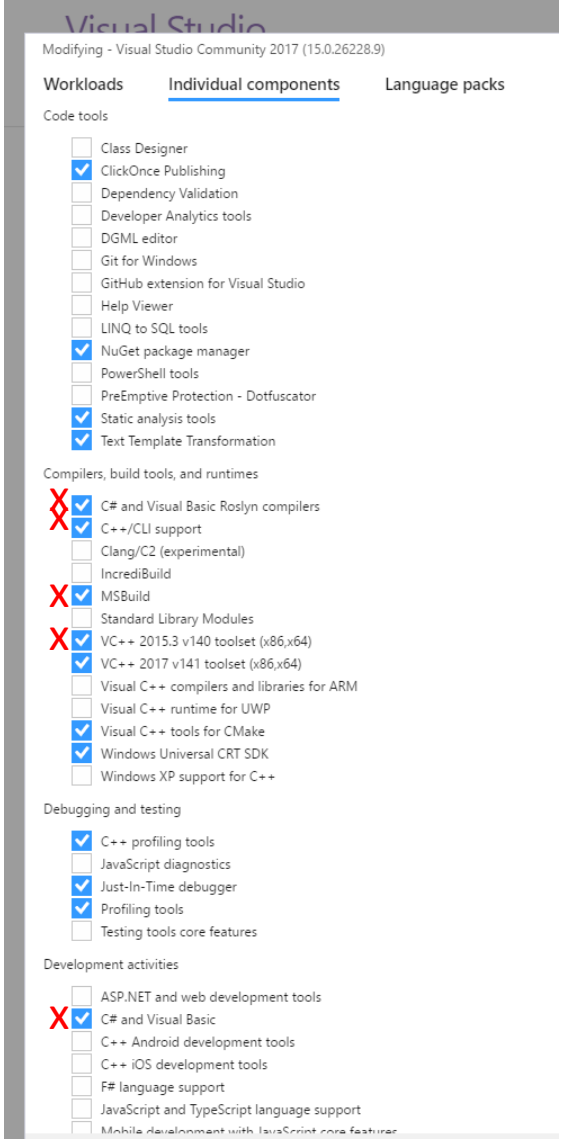
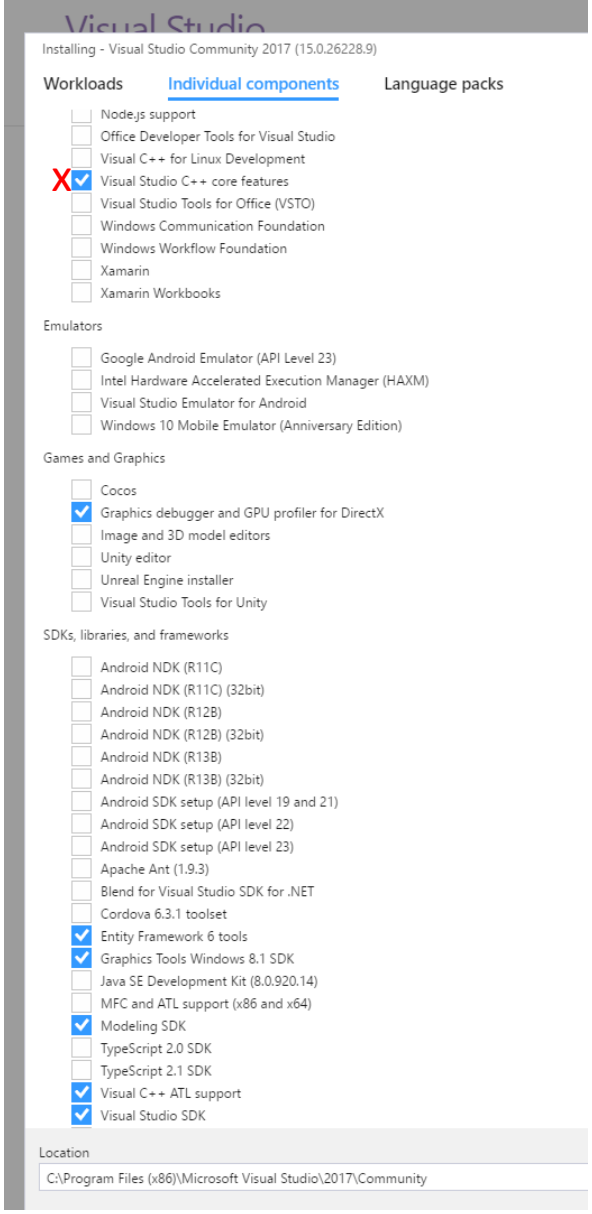


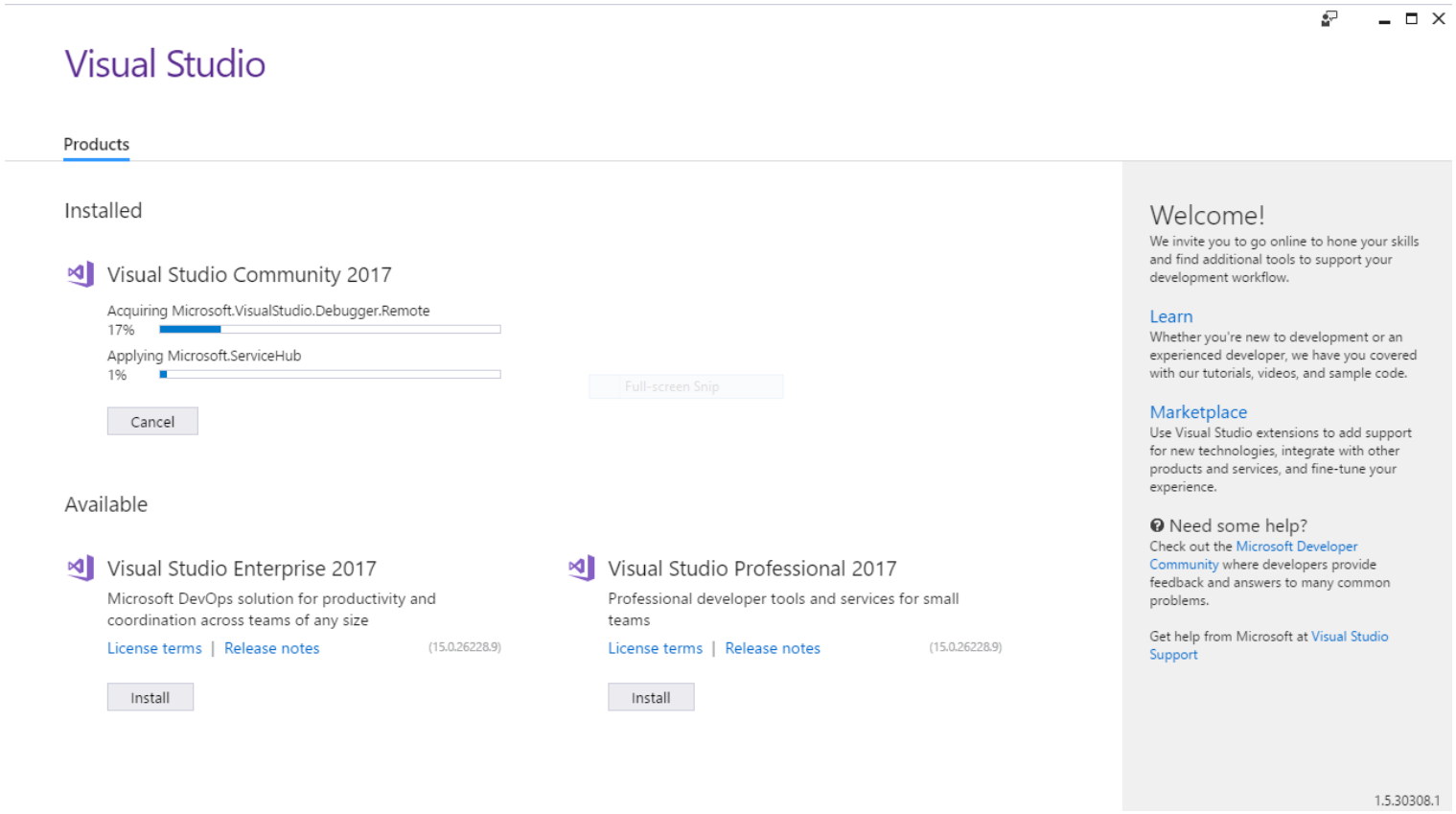
- Download Visual Studio 2017 Community



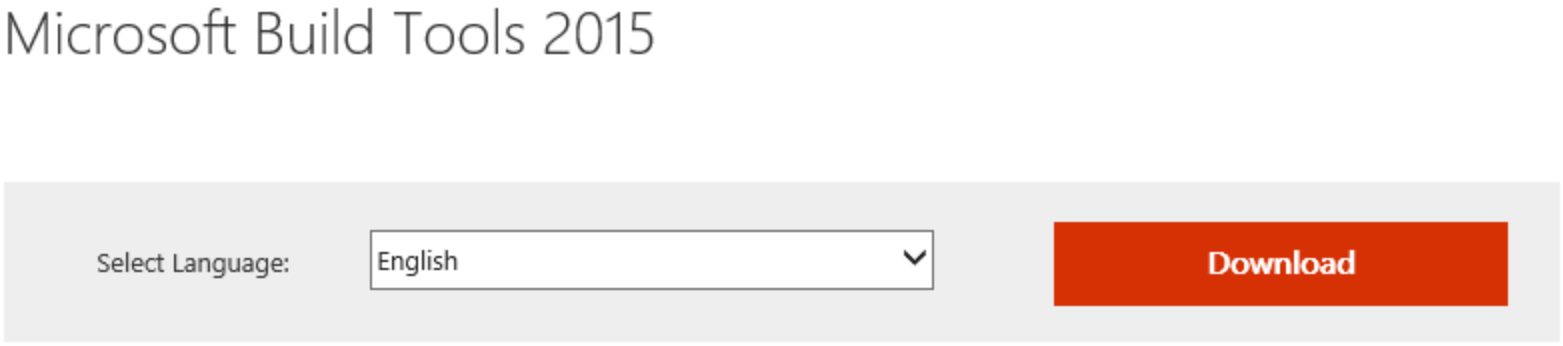




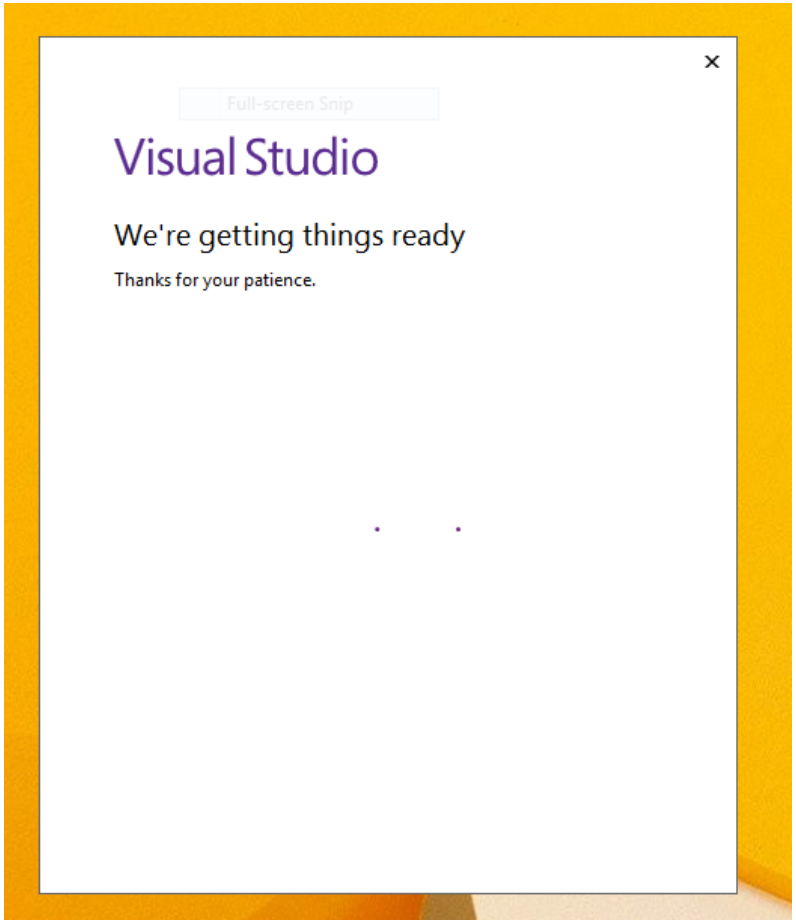
- Make sure that the highlighted components are selected (required because our main development platform is VS 2015)



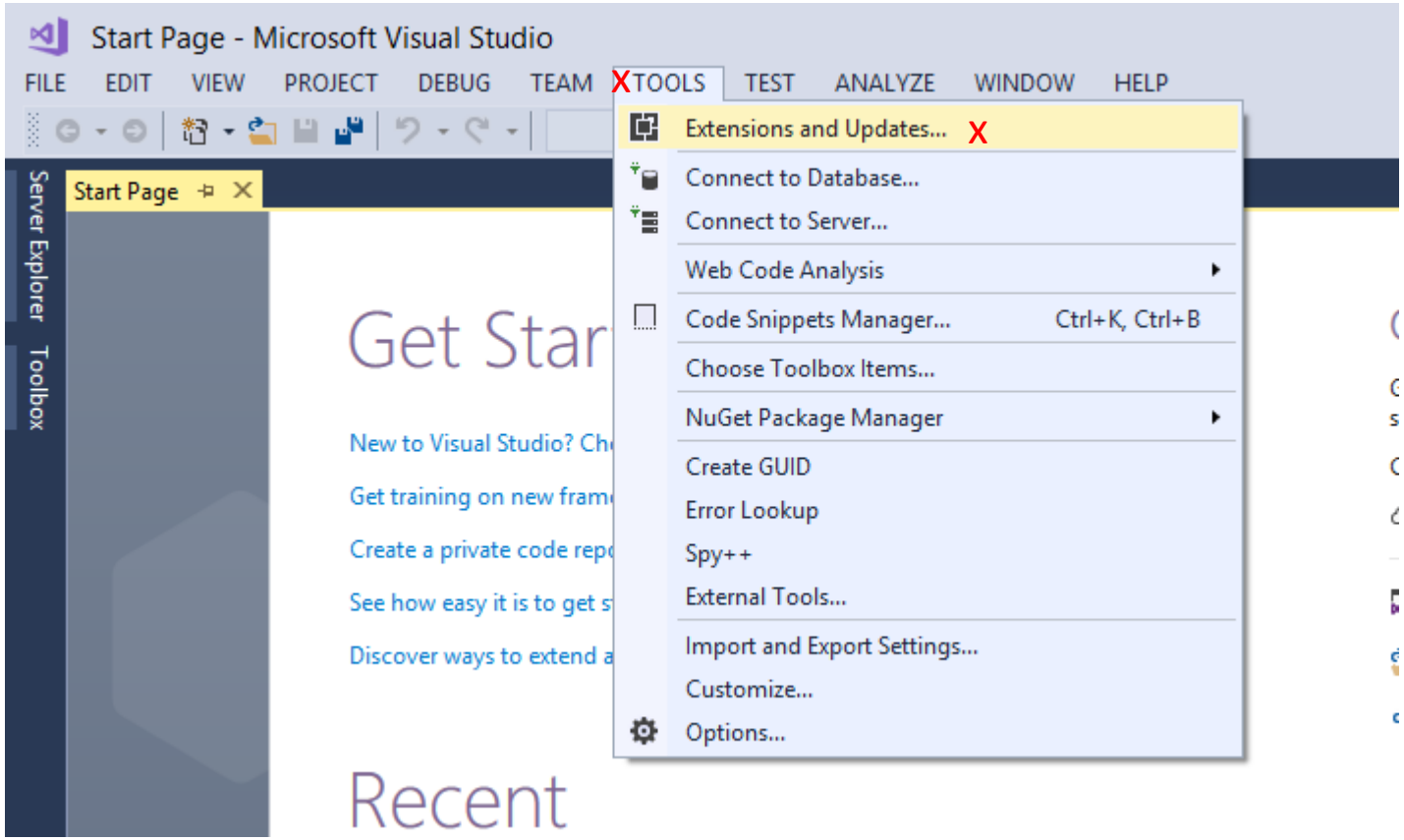
- Visual Studio 2017 is getting installed



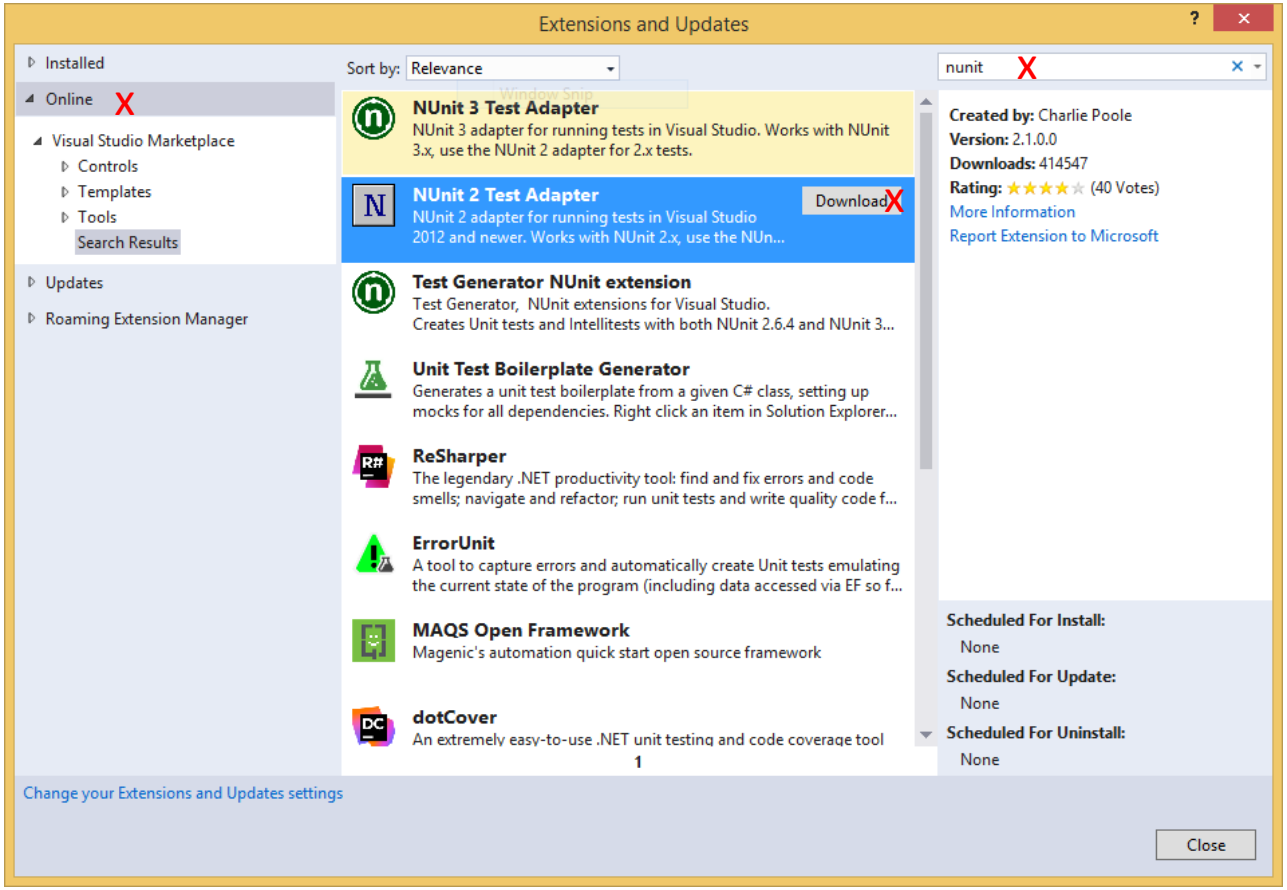
- Download Microsoft Build Tools 2015 from https://www.microsoft.com/en-us/download/details.aspx?id=48159 (required because our main development platform is VS 2015)



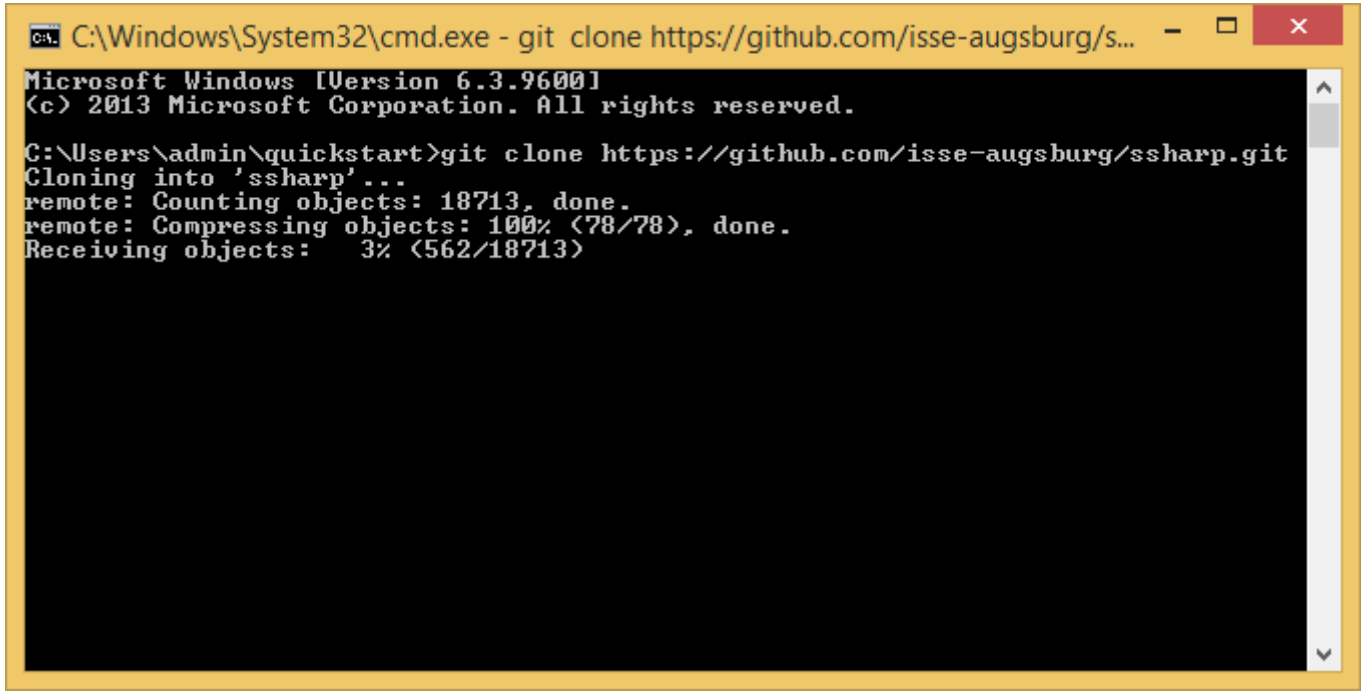
- Start Visual Studio



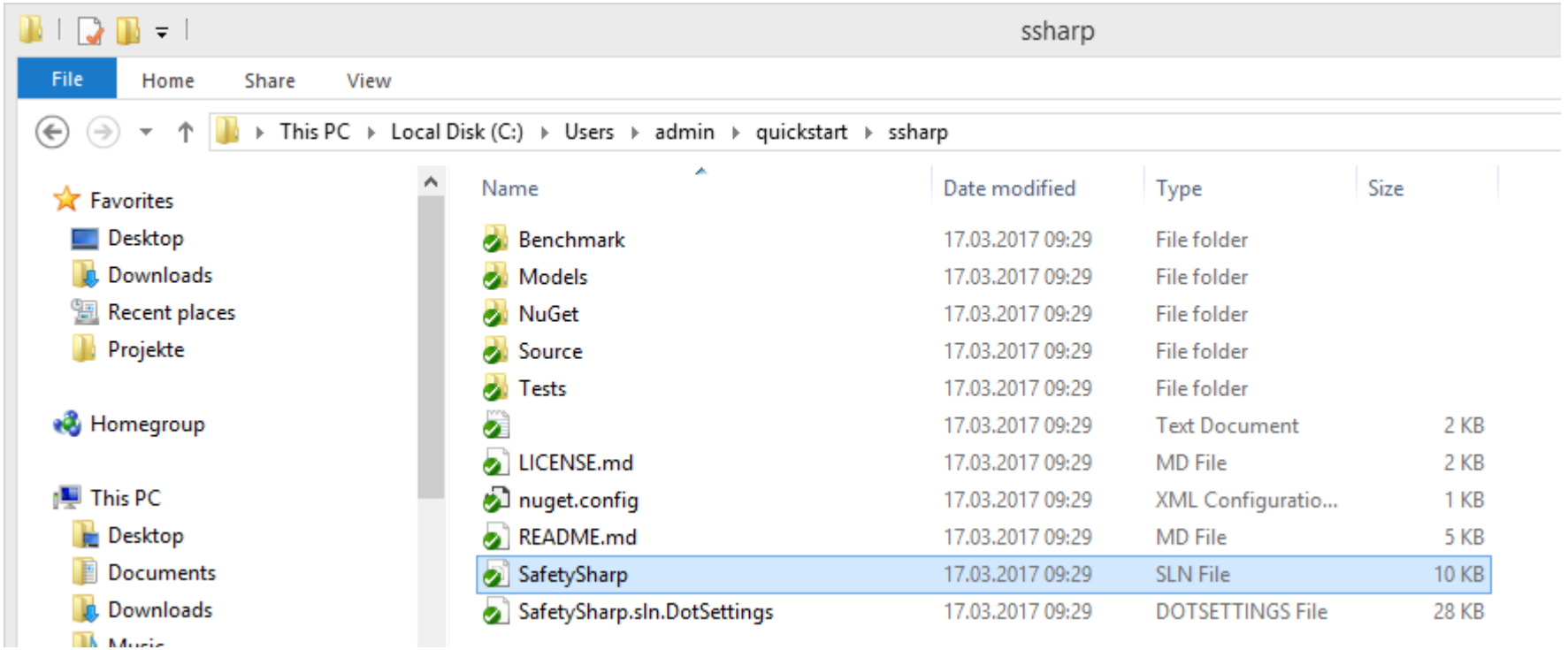
- Open Tools -> Extensions and Updates



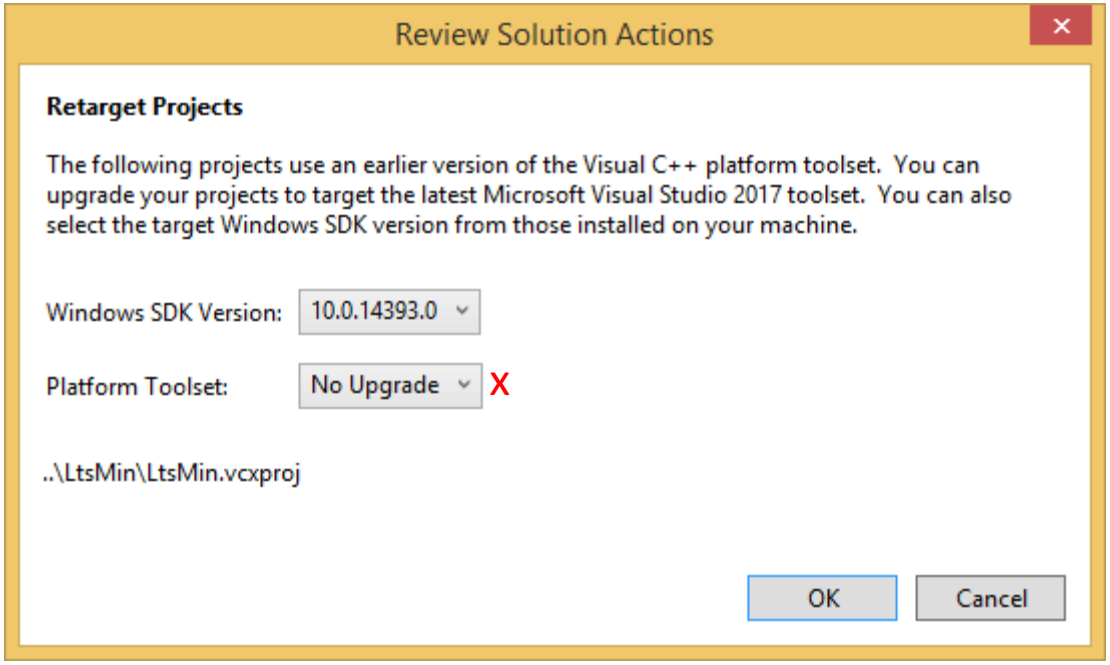
- Select „Online“
- search for „nunit“ on the right
- Download Nunit 2 Test Adapter



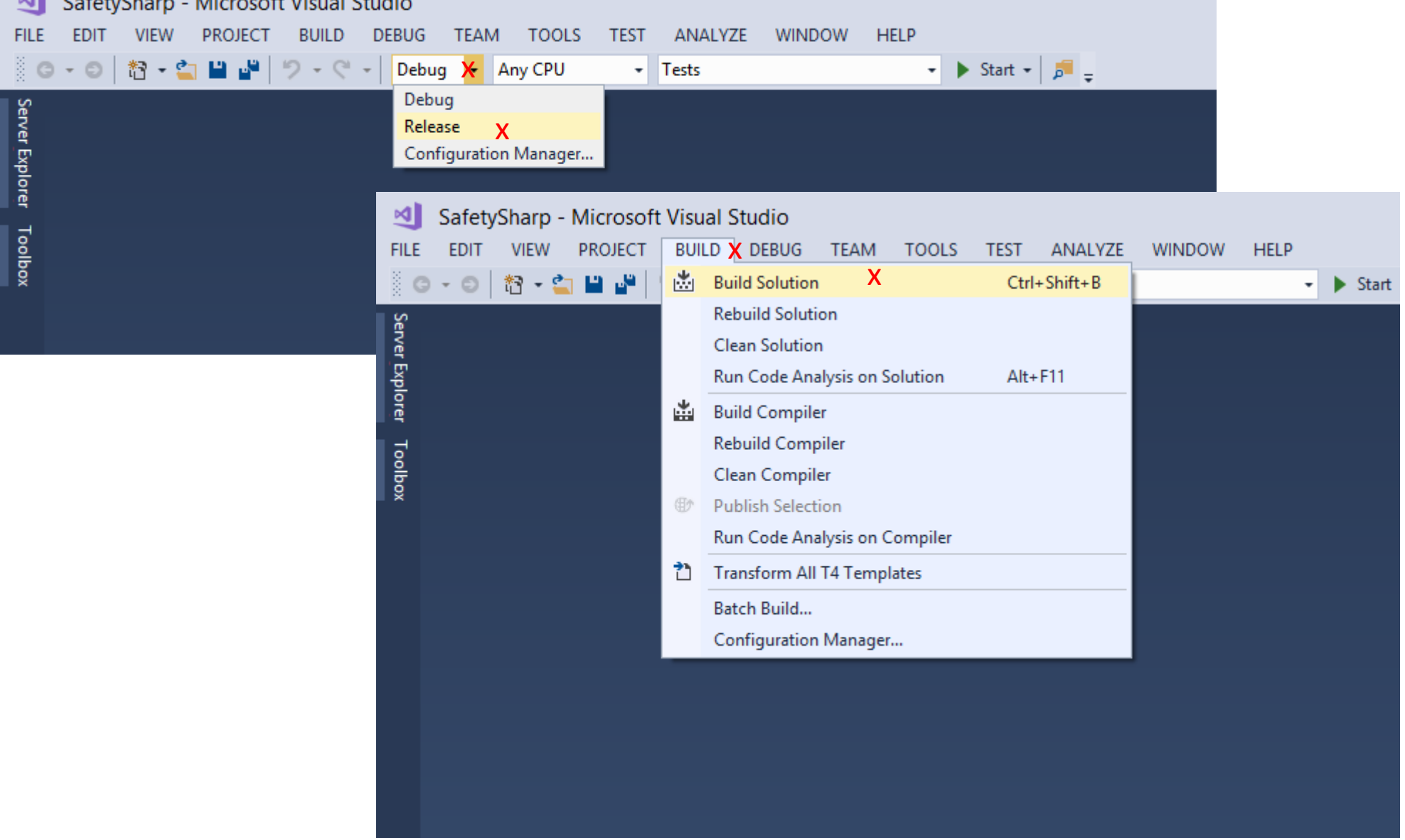
- Download our git repositiory from https://github.com/isse-augsburg/ssharp.git
- You can use your favorite git tool for that



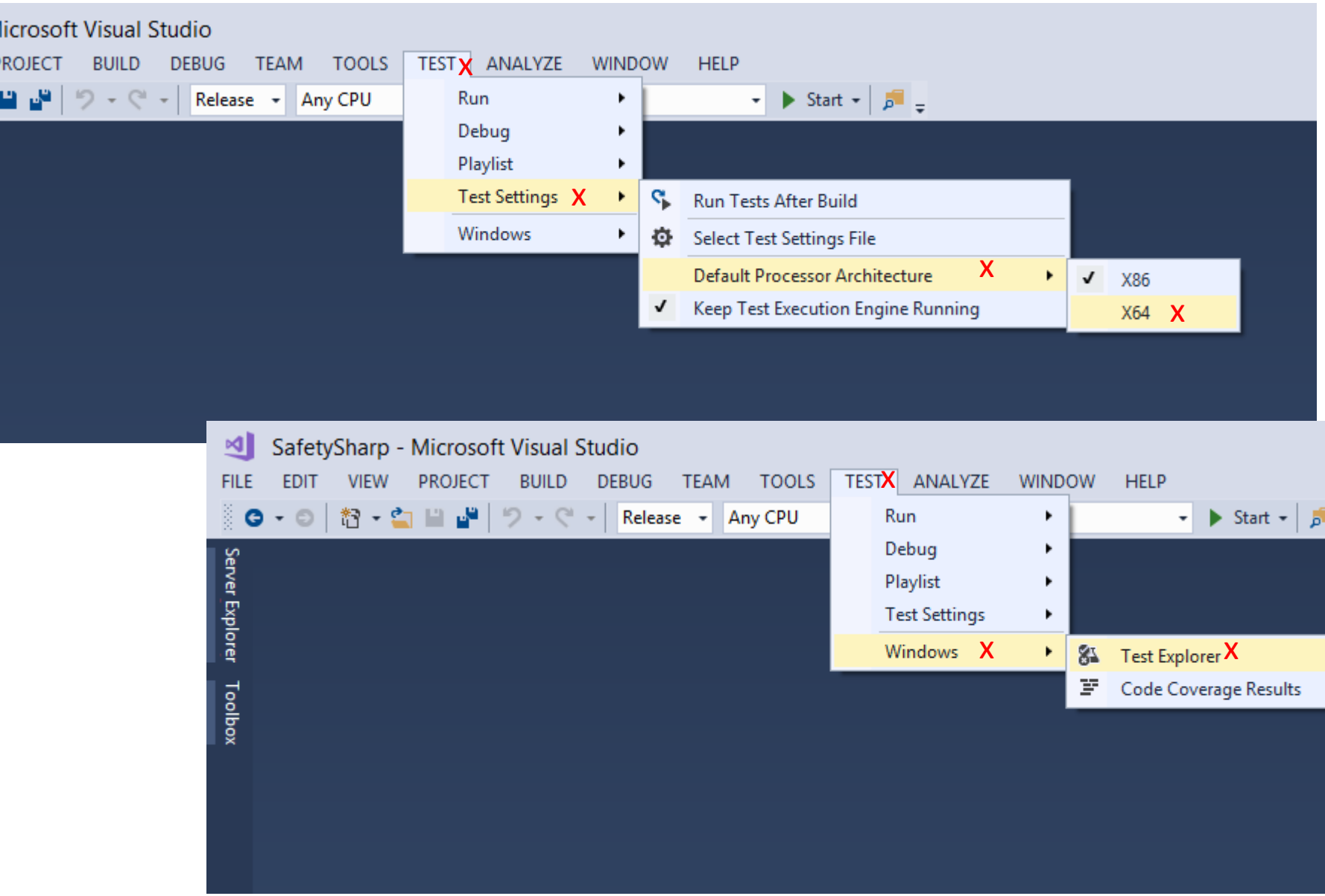
- Open the SafetySharp.sln solution file



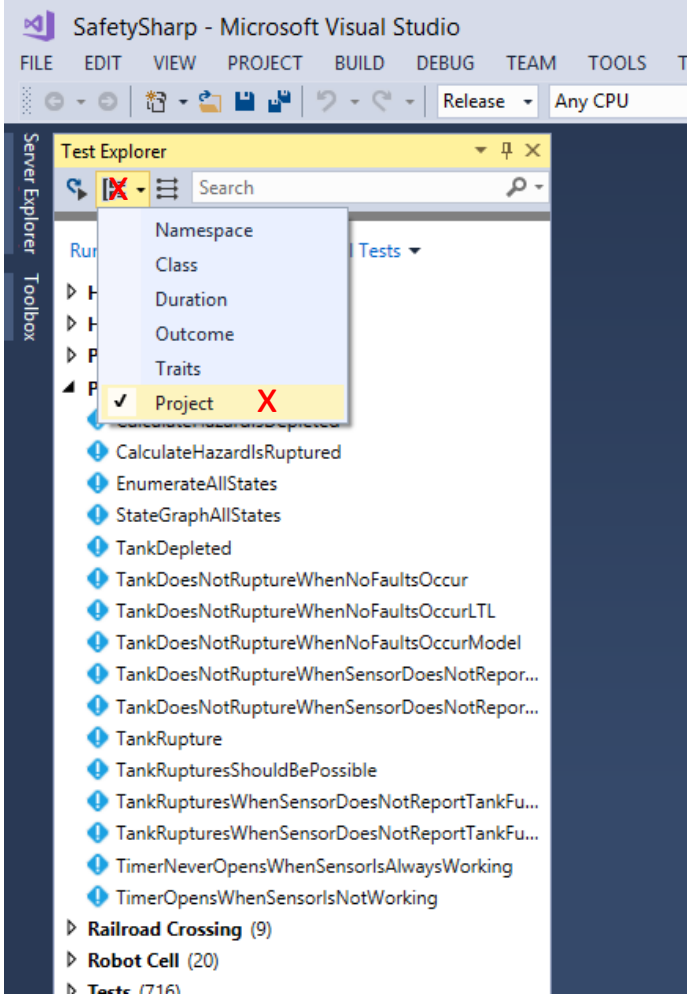
- Select Platform Toolset „No Upgrade“
  (required because our main development platform is VS 2015)



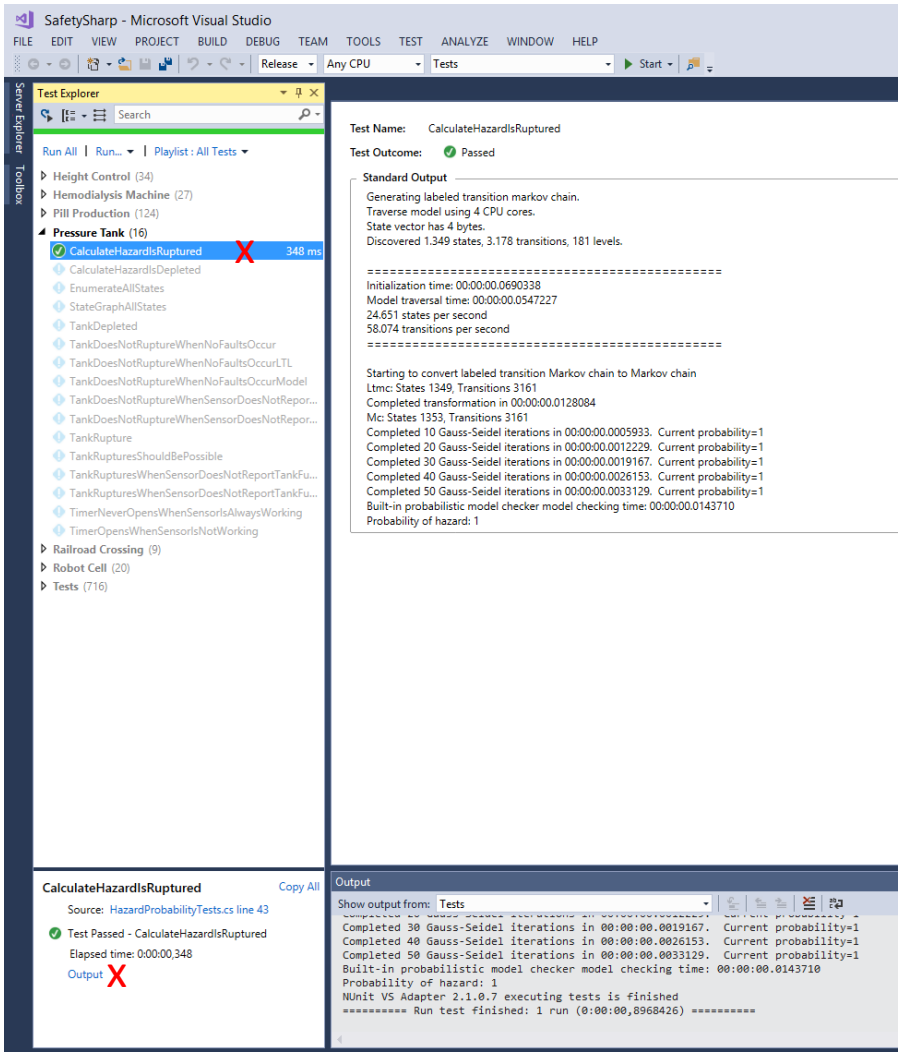
- Select „Release“ and run „Build->Build Solution“ to create an optimized build



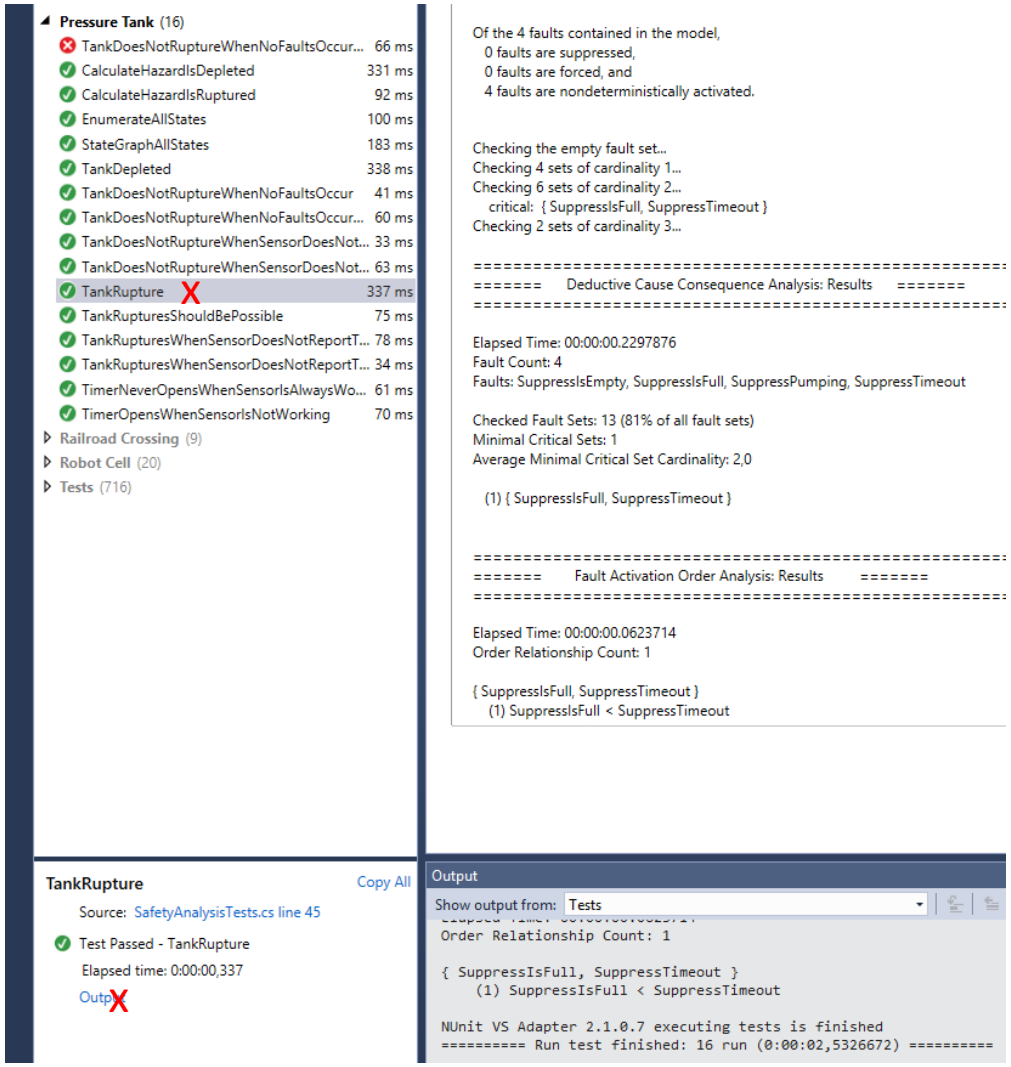
- Select X64 as processor architecture for the tests
- Open the Test Explorer



- Sort the test cases by project
- You may need to restart Visual Studio to see all projects in the test explorer



- Right click on „CalculateProbability…„ and select „run…“ to conduct a quantitative analysis
- The hazard probability is shown in the main windows after clicking „Output“



- Right click on „CalculateProbability…„ and select „run…“ to conduct a DCCA analysis
- The minimal cut sets are shown in the main windows after clicking „Output“