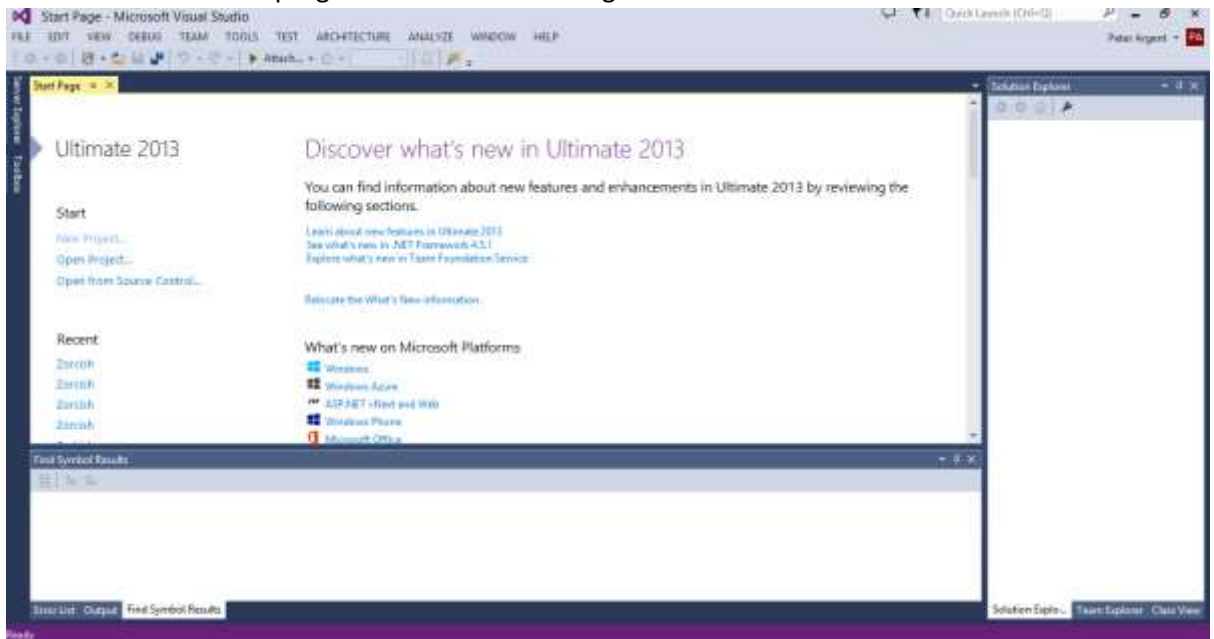# IDE Report: Visual Studio 2013
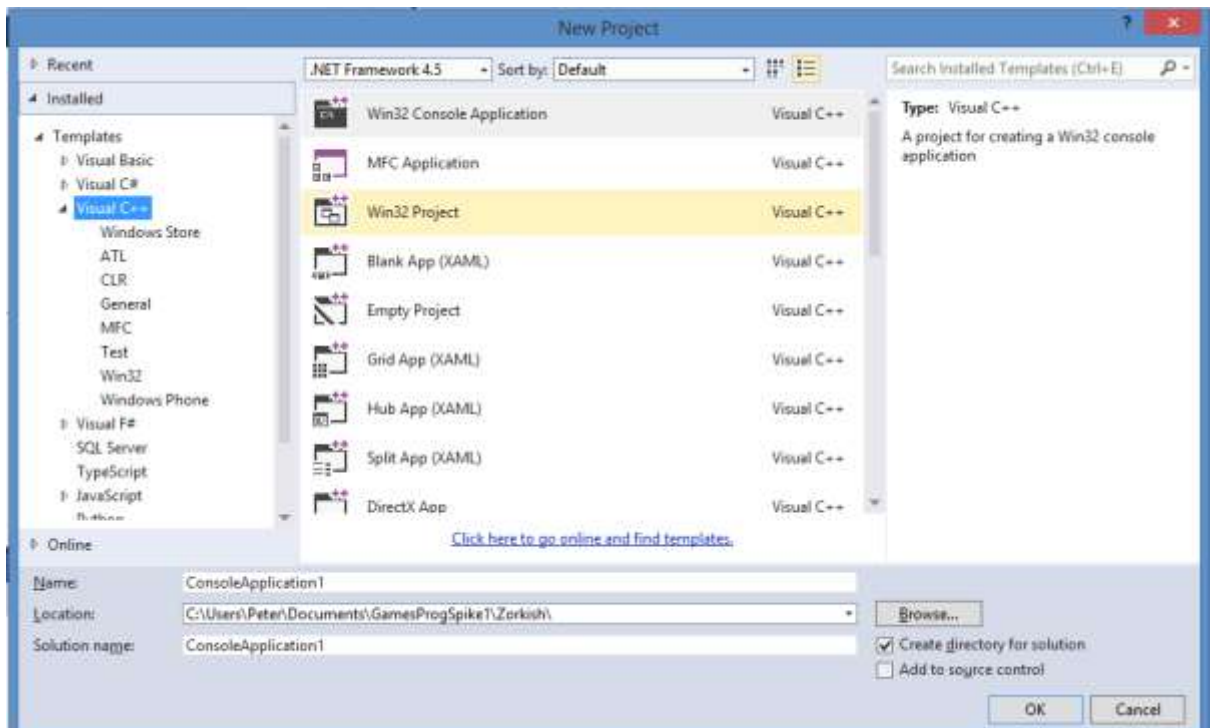
Note: I have done this report on Visual Studio 2013 rather than 2015 due to that is the version of the program that exists on my computers.

Creating a new project:

- Open Visual Studio, Wait for it to load.
- The first screen to the program will look something like:

- Under Start, There is a link called "New Project". Click it.
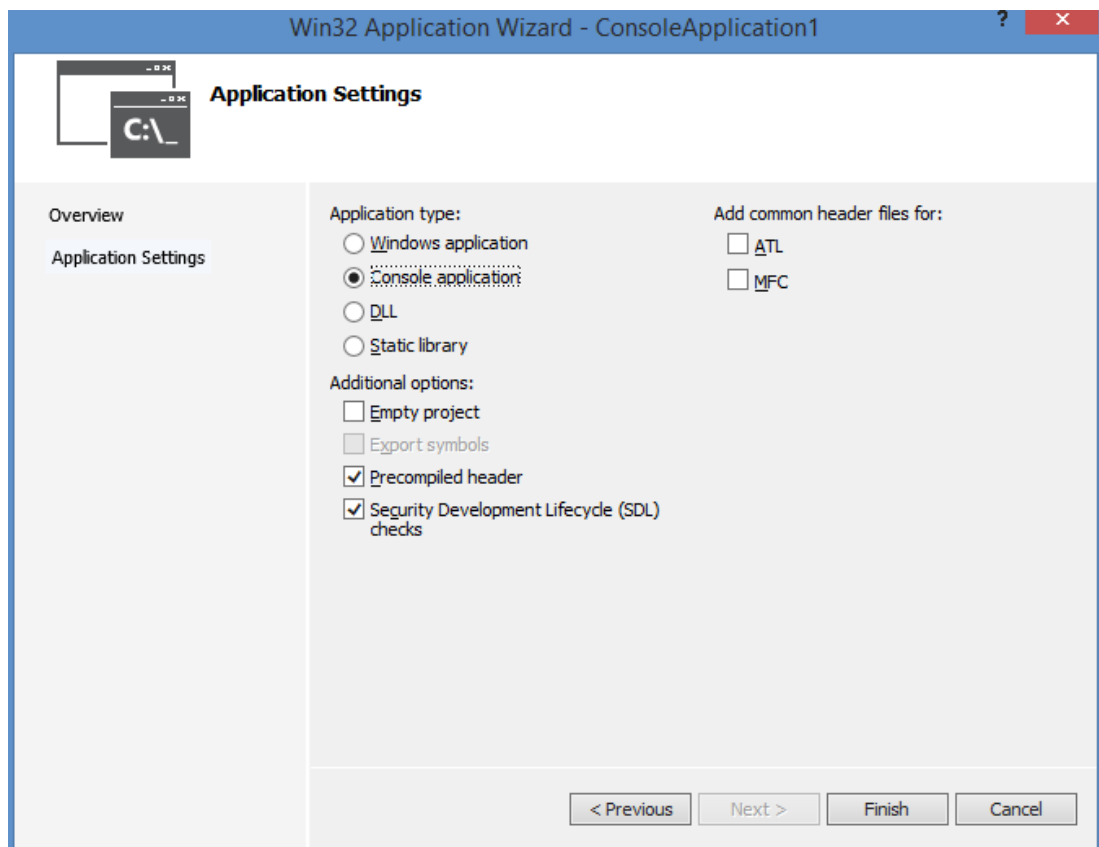- We are then showed this screen

- On this screen are many choices for creating applications. The one we want currently is Win32ConsoleApplication. So click that one, name it, put it in a directory, and click "OK"
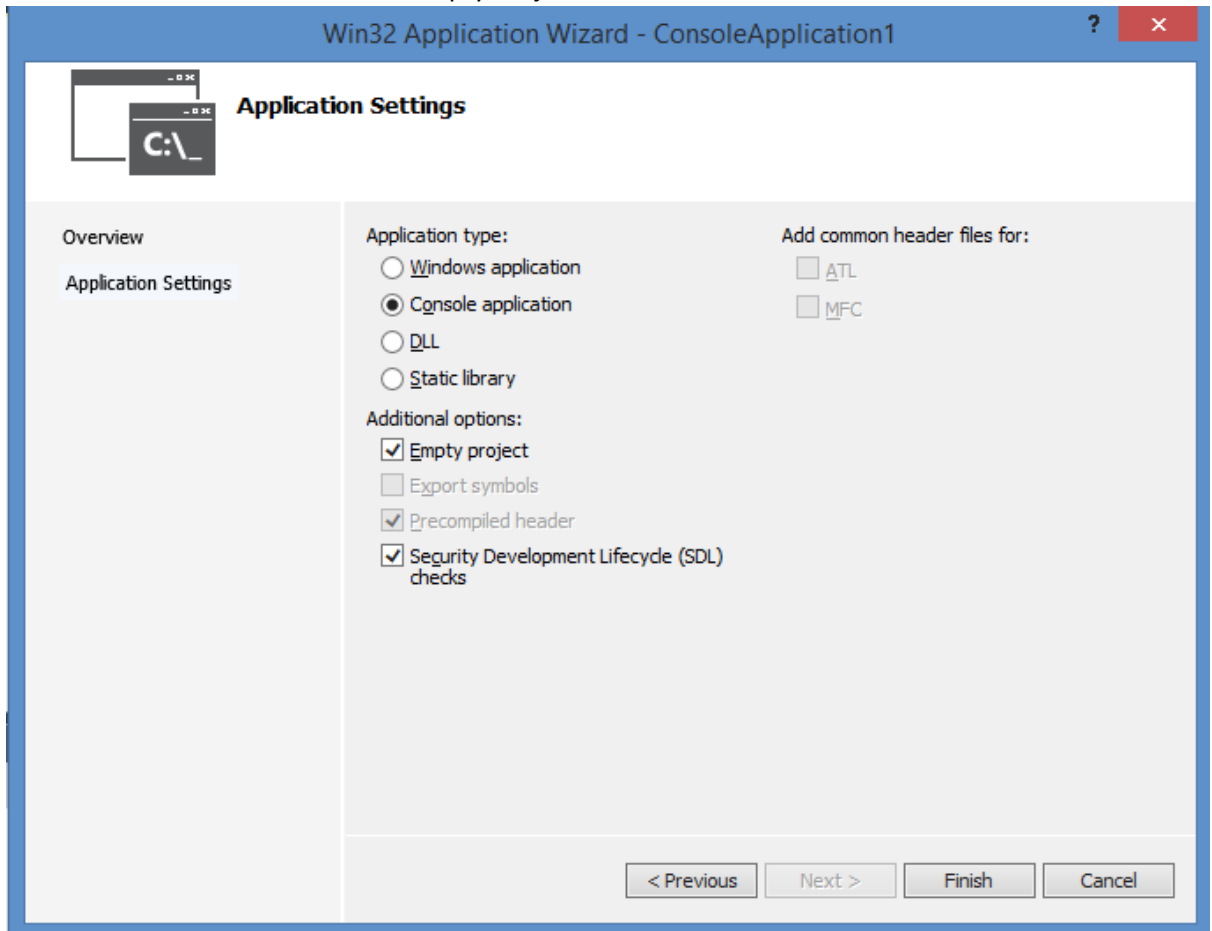
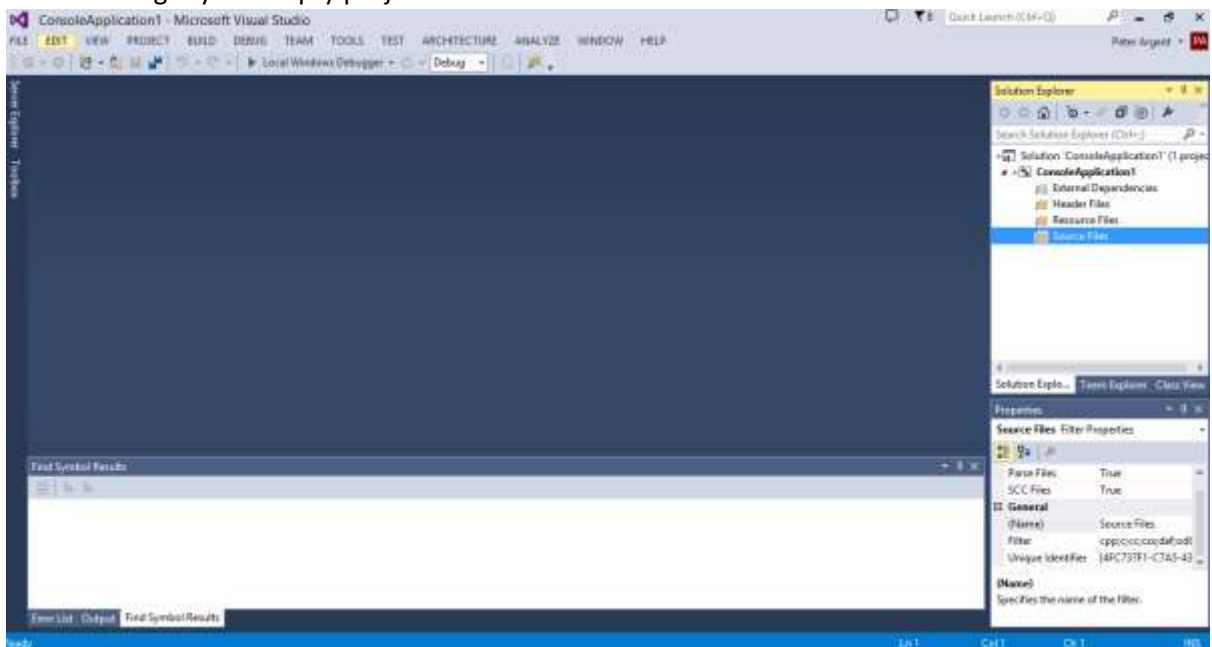- We then get given a wizard that makes the starting files and config of the project
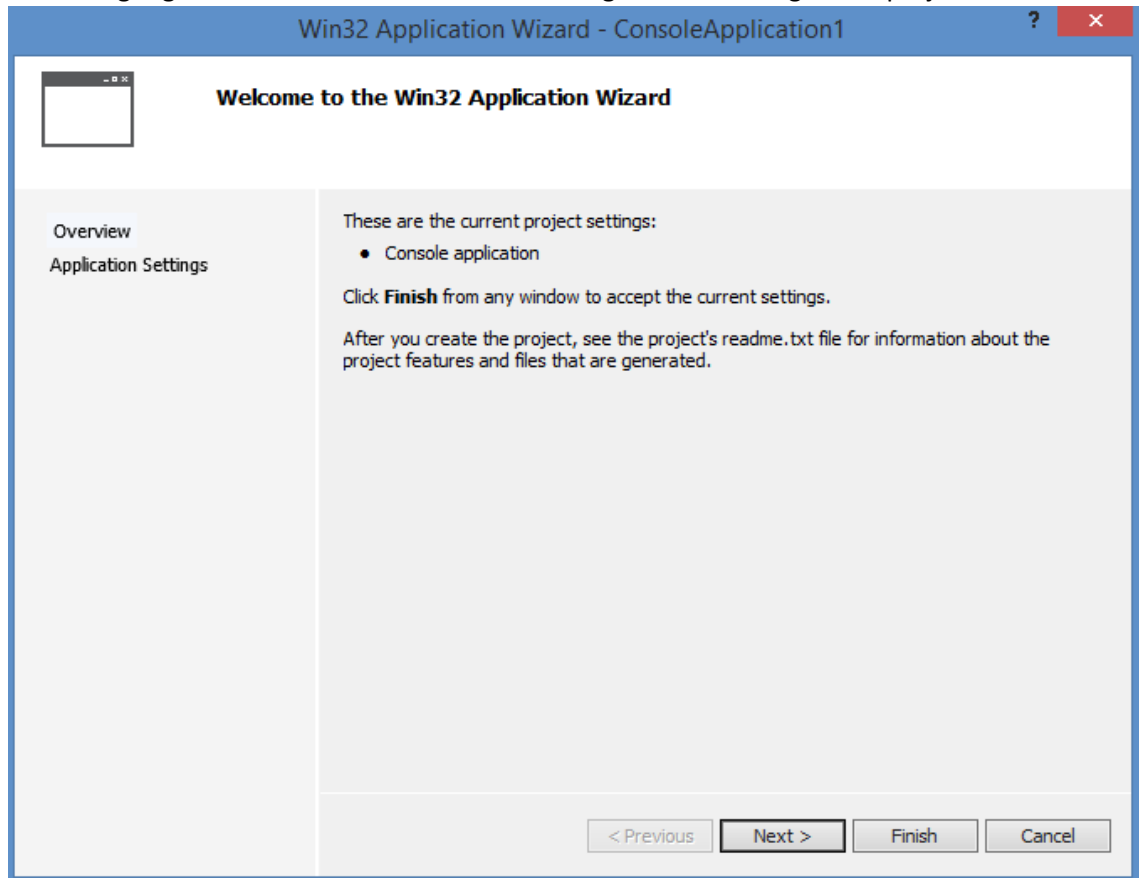
- We want to click "next" on this screen.

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- On this screen we want to check "Empty Project" before we finish.
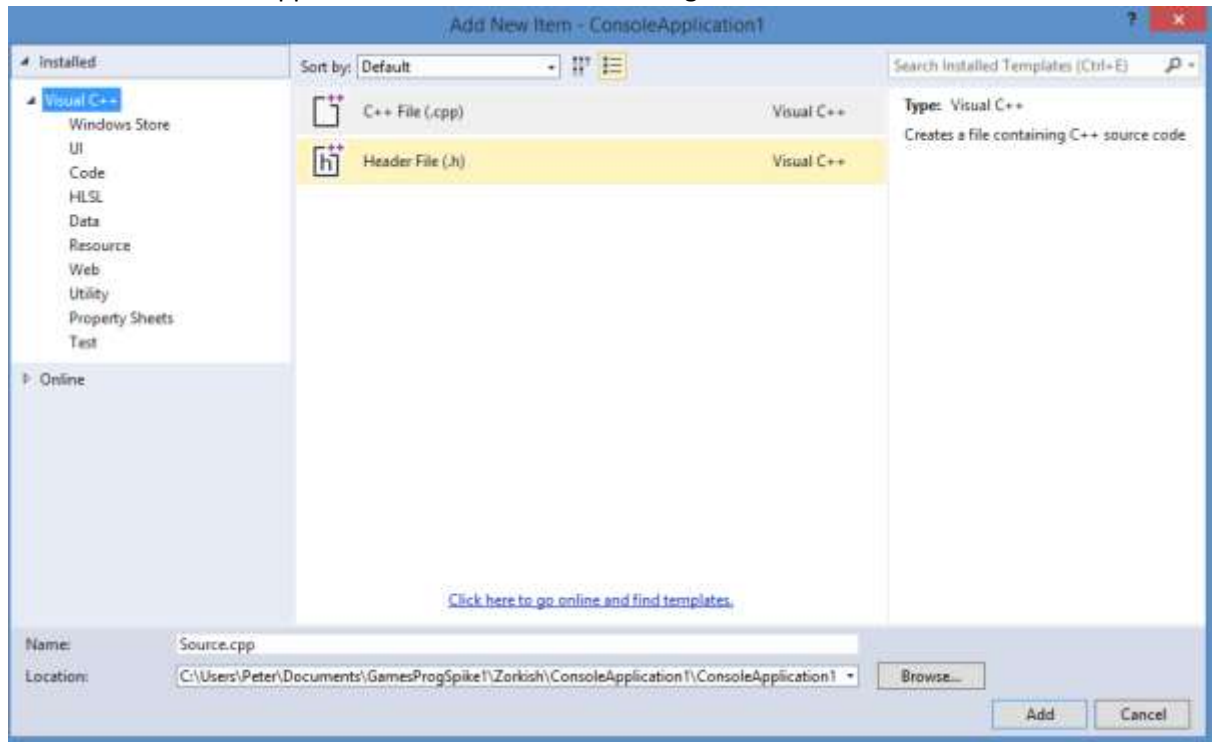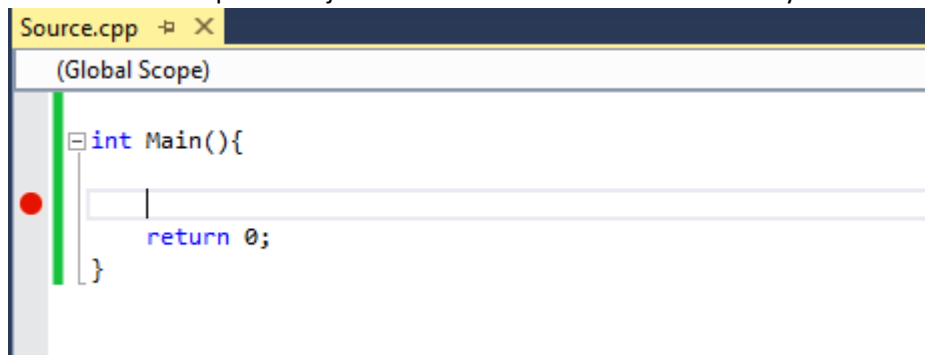

- The following is your empty project

- To add items to the project, right click on the "source files" folder in the solution explorer, and choose "add item" from the context menu.

- We can then add our cpp and header files in the following window.

Creating a Breakpoint:

- To create a breakpoint we just click to the left of the line of code you want to break at

- The Red dot indicates that there is a breakpoint here. When we run the program using the "Local Windows Debugger", we get the change to the toolbar below, once we hit a breakpoint.

-
- The red stop will kill the application being debugged
- The Circular Arrow, restarts
- The Straight Arrow allows the program to step one line
- The Arrow to point, makes the program go into the code one level deeper at the current line
- The arrow over point, makes the program continue until it steps through and over the current loop
- The Arrow out of loop makes the program step through its back stack.

NB. During debugging, variables can be found at the bottom left of the screen in a tab called "Autos". They also can be found in "watch", which must be set up prior to debugging, and "locals" which are the variables being used in this function.