**Spike:** 4

**Title:** Visual Studio advanced

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**Goals / deliverables:**

Investigate and document the following advanced features of Visual Studio:

 Multiple configurations (Development vs Release) and how they can be used

 Use of built-in pre-processor macros (ie \_DEBUG)

 Adding your own pre-processor macros depending on build configuration

 How to launch the debugger with command-line parameters

 How to add additional include directories for a project

 The various optimization settings for a VS project

 How to link against libraries for compilation (through the IDE and the use of pre-processor macros)

Most of these features are available through Visual Studio’s project properties dialogue.

**Technologies, Tools, and Resources used:**

* Visual Studio 2013 project properties menu

**Tasks undertaken:**

I created a new project and inspected the project properties menu.

**What we found out:**

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