Purpose of this project is to demonstrate using Visual Studio 2012 and C# with Atmel chip on a Arduino UNO board.

[image:ArduinoUno.jpg]

Arduino is a single-board microcontroller to make using electronics in multidisciplinary projects more accessible. The hardware consists of an open-source hardware board designed around an 8-bit Atmel AVR microcontroller, or a 32-bit Atmel ARM.

Visual Studio 2012 setup

Step 1. Install Arduino IDE [url:<http://arduino.cc/en/Main/Software>]

Step 2: Install Arduino for Visual Studio and Atmel Studio [url:<https://visualmicro.codeplex.com/>]

Step 3: Setup Visual Studio and select COM port

[image:Setup1.jpg]

[image:Setup2.jpg]

[image:Setup3.jpg]

Step 4: Open example C:\Program Files (x86)\Arduino\examples\02.Digital\BlinkWithoutDelay\BlinkWithoutDelay.ino

[image:Setup4.jpg]

Step 5: Press F5 to upload code to Arduino board.

[image:Setup5.jpg]

\*Additional Links\*

[url:http://en.wikipedia.org/wiki/Arduino]

[http://www.arduino.cc/]

[url:http://www.atmel.com/]