Doxygen Brief

Installation
Step 1) Google "Doxygen" or simply go to: http://www.stack.nl/~dimitri/doxygen/download.html
Step 2) Download and install the Doxygen for your operating system.

Format Your Code Comments
Step 1) Clean up your code (remove unused methods, get rid of compiler warnings, etc)
Step 2) Add code comments on the top of every function. The comments should be concise, yet still convey the semantics of the function, its parameters, and return value.

Example #1:

```
/// Rotates the servo to a given angle.
/**
 * Adjusts the value of OCR3B so the servo faces the desired direction between 0 and 180 degrees.
 * @param degrees a double between 0.0 and 180.0 indicating the desired position of the servo
 */
void servo_rotate(double degrees) {
        …
}
```

Example #2:

```
/// Returns the distance in cm from the PING sensor.
/**
 * Triggers the PING sensor and measures the distance in centimeters the sound pulse traveled.
 * @return distance in centimeters
 */
int sonar_distance() {
        …
}
```

Use Doxygen to Generate Documentation from Code
In Windows, open Doxywizard. Fill out the information for your project. Make sure you check the box in Expert tab to "Extract All", otherwise Doxygen will only look at header files. Finally, on the Run tab, run Doxygen to generate your documentation.

The settings I used are shown in the screenshots below: