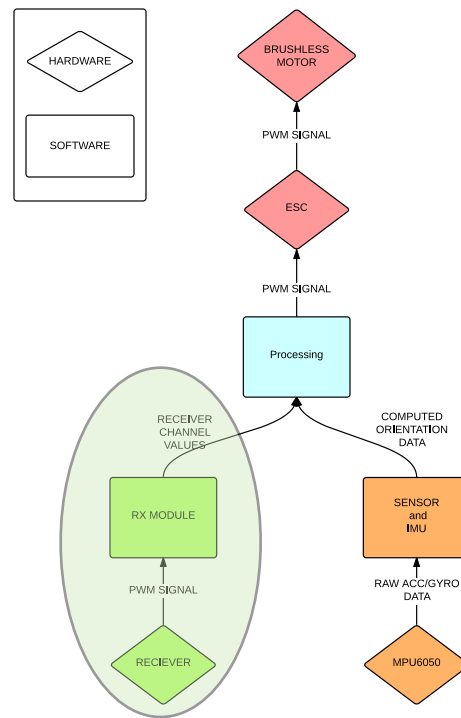# RX MODULE

Goal

- Develop software for an Arduino that is able to read PWM signals from a receiver and output an array of integers to denote represent each signal.
- Be able to if connection has been lost to the receiver.

Requirements

- Code needs to be as efficient as possible (no delay() or pulseIn() calls) this will probably require interrupts. Ideal sampling rate would be at least 50Hz.
- RC data should be filtered and free of noise.
- Use few global variables as possible conserving memory is important on an Arduino.

Resources

- Work with the multiwii RX.cpp file and adapt it for our purposes.
- https://github.com/tuskauavproject/TuskaGimbal
- Google is your best friend for this project, use it!
- http://bit.ly/1BSqXFQ
- http://bit.ly/1qiwOOs