**Final Project Submittal**

**Due Date**

Final project submittals will be due by our allotted final exam time, Saturday May 6 at 4:30pm. The project is done in lieu of a final exam. Due to limited grading time after finals, early submittals would be appreciated.

**The Goal**

The goal of this is to provide every bit of knowledge and documentation necessary to reproduce this project in the future. Treat this as an open source project that you were going to put on the internet for anyone in the world to make. That is how complete, clear, and correct your submittal should be.

**Submittal Items**

1. Software Design Documentation
   1. Up to date flow diagram
   2. Up to date functional architecture
2. Source code
   1. All source code in your git repository, zipped up as a .zip file.
   2. Any additional code or libraries that were necessary to get the project working. I should be able to reproduce this project without having to google for any additional software, upgrades, libraries, etc.
3. Hardware Design Documentation
   1. Up to date hardware design diagrams
   2. A schematic of your hardware implementation. This should include detail down to the pin level. This should also include any special instructions to build the hardware.
   3. A detailed parts list, including part numbers and quantities.
4. Hardware Implementation
   1. This includes detailed photos of your hardware implementation. Hardware that was purchased by the department will need to be returned by the time of the project submittal.
5. A written report that includes:
   1. Summary of the project
   2. Description of the objectives of the project
   3. Description of the chosen hardware platform
   4. Description of the hardware design
   5. Description of the chosen software platform
   6. Description of the software design
   7. Test Results – what worked and what didn’t
   8. Lessons learned – things you would’ve done differently if you were starting over
   9. Final notes – this should include anything else necessary for me to reproduce your project without any problems.