1. **Overview**
   1. **Objective**: to layout an embedded system
   2. **Roles and Responsibilities**: Razik will do the software and Stephen will do the hardware. The clients are people that are bored of board games.
2. **Function Description**
   1. **Functionality**: to play Battleship
   2. **Performance**: current will be determined using the bench power supply which will help decide the battery
   3. **Usability**: Their will be two different modules each with a C32 microcontroller, 128 x 64 pixel graphical LCD screen, six buttons for user input, and 6 LEDs to signify a hit. The two modules will be connected via a serial cable.
3. **Deliverables**
   1. **Reports**: The reports for Labs 8 and 11 will be written
   2. **Outcomes**: Objectives, hardware and software design, and measurement data for Lab 8 and Lab 11