Power subsystem -

- Boost converter works, produces 5 volts

Transmitter/ receiver and user interface subsystem -

- works, lights flash, buzzers buzz, transmitter transmits, and receiver receives
- implement other light functions with the leds, such as a running light when firing
- working on making the transmitter more directional, fine tuning beam width

Blaster module -

- drawing of gun, 2 shells put together, schafer's wife "has one of those"
- make sure there is enough space for batteries and other components
- If multiple receivers are needed, tie them together for interrupt handling
- Ensure the IR receiver works outside in sunlight
- PLA for main shell, TPU for grip

Website subsystem -

- aiming laser works, interfaces with other subsystems
- interrupts not getting picked up by server yet, but can connect to blasters, interrupts are confirmed through serial monitor prints

Audio speaker -

- couldn't get it to work live, had stage fright
- showed schafer a video, concern about volume level
- I2S is the better communication protocol for audio, uses .wav files stored on sd card, to integrate with speaker
- concern for sd card falling out

PCB -

- Think about how to mount things remotely, think about external connections
- oshpark <10 days, upload board file, osh stencil
- Jlc / pcb way use them for final board 7 days, more expensive, solder paste screen, do not make solder screen full size, need production files, gerber file viewer on website
- Can join with other groups for shared shipping
- Consider making 2 boards joined together, one in muzzle area, one in grip area to separate components