Team 11: Lazer-Ops
Outline

1. Overview
2. Sub-system Breakdown
3. Alternatives
4. Testing
5. Obstacles
6. Design Norms
Overview

- Create a home laser tag entertainment system

- System consists of:
  - 2 laser guns
  - 2 receiver vests
  - 1 communication hub
  - Android application
Sub-System Breakdown

- IR transmitter
- IR receiver
- Microcontroller
- Wifi transmitter
- Wifi receiver
- Real-time Data

GUN
VEST
VEST
VEST
HUB
APP
Alternatives

- Zigbee communication
- Displays on Laser Gun
Testing

- Ensure that lasers can be differentiated between
- Ensure correct communication among all devices
- Ensure app is intuitive
Obstacles

- Communication over WIFI
- App to Hub Communication
Design Norms

- Integrity
- Caring
Questions?