Project Goals:

- (A) Leap Motion:
    - (1) [Omri] Captures input and translates to flight patterns via leap motion
    - (2) [Omri] Successfully controls the drone
- (B) Oculus:
    - (3) [Nick] Unity virtual studio created, catching drone input on left/right
    - (4) [David,Nick] Prints drone stats to GUI like battery, status, etc
    - (5) [Nick] Successfully controls the drone
- (C) Networking:
    - (6) [Taylor] Adding it to WiFi network
    - (7) [Taylor] Respoke video chat.
- (D) Respoke Chat
    - (8) [David] Understanding how to implementation
    - (9) [Taylor] Respoke video chat setup
    - (10) [Cameron] Client Side of respoke chat

Time Line:

Color Red When Done: Like So

Deadline 1: End of Day 1:

Taylor: [6]
Cameron: [.5]
Omri: [1]
Nick: [3]
David: [8]
Left: 2,4,5,7,9,10

Deadline 2: Saturday @ Noon:

Taylor: [7]
Cameron: [10]
Omri: [2]
Nick: [4 (or) 5]
David: [8]
Left: (4 or 5), 9)

Deadline 3: Saturday @ 11:59

Nick: [other]
David: [Finish Presentation]
Taylor: [9]
Other: [Finish Up Drone Control]
Left: Debug and Test

FINAL DEADLINE: Sunday @ 8am (Hacking Closes @ 9)
Testing and Debugging

Presentation:

Main Goal for Project: Use construction site as example. Goal is to allow site evaluator to communicate with potential buyer. SE wears oculus, while Buyer is on other end viewing through drones camera from remote location (Business trip in China). This allows the buyer to ask SE to show hard to reach/look locations of site all without having to move(safety). We want the SE to use the LeapMotion to control the drone(takes away need for bulky controllers).

Key points to mention:

- **Initial Project goals-David**
  - **what we wanted to do**
  - **why? wanted to utilize as many companies services/make cool shit**
- **What we ended up with-David**
  - **talk about what we ended up with**
- **Hardware**
  - **Oculus-Nick**
    - **our goal for oculus**
    - **First thing to mention is what we did with oculus**
    - **Talk about why we did the video the way we did (anti-headache)**
    - **what we did with it**
  - **Drone-Omri**
    - **How we got drone to work with leap motion**
    - **basic functions of drone.**
    - **possibly fly over to tree(not close) or builidng to demo inspecting**
  - **Leapmotion-Omri**
    - **how we got leap motion to work with drone.**
- **Software**
  - **Networking-taylor**
  - **local server explanation- taylor**
  - **Video feed- Cameron**