

- Completion Date Week 14 (18Apr)
 - 1. Airframe
 - 1. Assemble airframe
 - Purchase special glue to not melt the Styrofoam
 - 2. Attach the VTOL Booms to airframe
 - Purchase Carbon fibers rods/tubes (Need these before assembly of airframe)
 - Determine the diameter and length needed
 - Length of stability rod needs to be no more than 500mm (estimated)
 - Determine length of boom rod
 - Find the angle of attack for the booms
 - Attach props/motors to booms
 - Determine attachment method from prop/motor to carbon tube
 - JB Weld as potential solution
 - 3. Attach Air Speed Sensor
 - 4. Find location for lidar
 - 5. Find a way to secure modify drone base in airframe
 - 6. Wiring Everything/Attach
 - Servo Motors
 - Forward Propulsion/ESC
 - Battery
 - VTOL Props/ESC
 - 2. ModiFly Drone
 - 1. Implement Drone base stability
 - Purchase Nylon antivibration fasteners
 - Purchase support beams.
 - 2. Power Distribution Board
 - Purchase on Amazon
 - 3. Assemble base drone insert
 - Radio Transmitter
 - Pixhawk
 - Flashing Ardupilot plane firmware to Pixhawk
 - Updating Firmware parameters for VTOL props
 - Bluetooth Module
 - GPS Module
 - ESC