**PROJECT TITLE: Child Drone**

**NAME: Kimberly Lewis DATE: May 21st, 2015**

**WORK COMPLETED LAST WEEK**

Considering that the team has now attained the majority of the components to build the Child Drone, the task that I have undertaken this past week was to measure and weight the individual parts. Prior to receiving the motors, battery, CrazyFlie etc., the team only had estimations of weight and dimensions. In our previous estimations, weight of the components were over estimated which is beneficial so that the motors selected provide the correct thrust, which is calculated to be max 700 grams.

**WORK PLANNED FOR NEXT WEEK**

The following task to be reviewed for the next week will be the selection of the propellers for the Child Drone as well as physical modifications to the current frame including extrusions from the bottom so that it can stand alone.

**OPEN ISSUES**

An issue that has arisen but will be solved is the integrity of the scale. Due to the +/- 5 grams, exact measurements were not fully accurate. Considering there are multiple parts to be measured, +/- 5 grams presents itself as in issue for there could be a discrepancy of around 30 grams.

**DELIVERABLES AND MILESTONES**

Identify all milestones for each task. A task may have multiple milestones. Each task has associated deliverables. Complete the table for all your individual tasks.

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| Task | Milestone | Planned | Actual |
| Accurate Measurements | Weight all physical components to be consistent with previous estimations. | 5/14 | 5/17-5/18 |
| Modify Custom Frame | Lighten the weight of the frame by extruding parts of the center and legs of the frame. | 5/28 |  |
| Propellers | Research and order appropriate propellers for Child Drone. | 5/28 |  |