Adam Rauwerdink Weekly Report

Work Completed:

This week I finalized the plan for attaching the frame to the chair. The chair frame is held together by staples in most locations so it was determined that the inner parts of the frame should not be attached to. I will instead rest the aluminum frame on the main rocking part of the chair frame and attach it on the sides with metal plates. This approach should minimize the stress on wooden rocker frame. The width of the upper part of the metal frame will need to be modified in order to match the exact width of the chair frame.

With the arrival of the 8020 parts, I began work on constructing the frame. I finished the base of the frame, and began looking into the attachment of the motor. The motor will be very easy to attach as it can simple be bolted onto the extrusion. The sides of the base frame were purposely cut long in order to allow for optimization of motor and hinge placement. When the final position is determined I will cut the sides to their final length.
Future Work:

Next week I will continue work on constructing the frame. I plan on completing the upper part of the frame and attaching it to the chair. I would also like to figure out the hinge mechanism so that I can attach the two parts of the frame.

Project Review:

The 8020 extrusion is very simple to work with. In the matter of an hour I had the base frame cut and assembled. The upper part of the frame is more complex, but I should be able to complete it soon. We are still on track for having the chair attached to the frame within a week or two.

Hours Worked:

12/3-2/8: 9 hours