Easel 5000
Week 11 Report
April 7, 2006 – April 14, 2006
Seth Novoson
Work Completed

Documentation

This week’s work largely focused on writing the User’s Manual and the Final report for delivery. During this time, the mechanical analysis that was originally done for Designs 1-4 and the optimal design were recalculated using the new material weights and dimensions of the easel prototype to ensure working limitation and provide material for the final report and user’s manual. New diagrams were developed using Visio to aide in the calculations, and force and stress analyses were completed.

Prototype testing

By limiting motion, a group member was able to replicate the range of motion of our client, as described by Patty Mitchel in weeks past. It was shown that the easel was able to function as designed, and that the group member with simulated motion limitation could reach the art surface.
**Future Work**

Next week’s work will consist of the construction of the group’s poster and the PowerPoint presentation that will be given in two weeks. In addition, if any design additions come to light that will further enhance the easel, those options will be explored appropriately.

**Project Review**

The documentation portion of the Easel 5000 project is done, and all that remains is the PowerPoint presentation and poster. All is going well and we look to complete the remaining work on time.

**Hours**

Seth – 28 hours.