Work Completed

The work I completed this week involved testing the power circuit for the output device. Previously I had attempted to power the LCD and wireless video receiver with the one battery and had some issues with that. The first issue was that the voltage appeared to be dropping way too quickly to be practical; the second issue was that I believed I smelled smoke. After more testing and consulting with Dave I determined I had probably made a poor connection because when I reconnected everything the circuit worked properly. The following photo shows the setup of the testing procedure.

![Test setup consisting of battery, LCD, and wireless receiver](image)

**Figure 1:** Test setup consisting of battery, LCD, and wireless receiver

The other work I completed this week was to finish the design of the output device. The final design has a switch added to it, which controls the power being supplied to the LCD and wireless receiver. I built up a prototype case out of cardboard from my initial measurements and realized that I forgot to leave enough room for the wires that go into the end of the wireless receiver, building the prototype was very useful.
for this purpose because now I will know not to make that mistake when designing the final case out of the ABS material.

Figure 2: Wireless LCD output device showing the Flash image that’s on the laptop

**Future Work**

My work for this week is going to include making up new schematics for the final output case. This new case will account for the space I originally failed to leave for the wireless receivers power cord and video cord. The new case will also include options for the mounting of all of the internal components.

The other work I plan on achieving this week is to become more involved in either the Flash programming or the input device depending on where I feel like my teammates need more help.

**Project Review**

At this point in the project we are very near completion of the input device, the button has been programmed to act as an ‘enter’ button, and Tristan has drawn up an initial layout for the components. The home environment is being programmed in Flash
however we have come across various setbacks that are impeding our progress. The output device is virtually done and a working prototype has been built.

*Projected Timeline*

Tues (10-02-07): Team meeting with just team members, weekly reports, update website  
Wed: Work on final output device case, program Flash  
Thurs: Work on final output device case, program Flash  
Fri: Work on final output device case, program Flash

**Hours Worked**

12 hours