Work Completed

At the start of the week a big problem surfaced. The website was not working properly. The procedures followed last semester were the same ones used this semester but to no avail. The new adobe documents (PDF) would load but would not show up on the website. The updating of the website was all done in the Dreamweaver® Program. Once in Dreamweaver® we were able to connect to our website and load files. It seemed that the major problem was the connection was not one hundred percent accurate.

Orlando came into the lab on Monday afternoon to help Kristen and me. He found out that the problem was with the server and the template. The pictures on the top of the template would not show up. Another problem with the template was that when the mouse was hovering over certain areas it would not let us click on it. When the code was examined (for the template) some areas were grey which means that we did not have the authorization to edit some of the parts. Orlando recognized that and worked on the code giving us the authorization to update the template. The uploading problem was the result of us not uploading to the correct server. Orlando then took some of our work and uploaded it to the correct server. The work that had been uploaded showed up on the website after ten minutes had passed. He then left thinking that he had solved the problems with our website. However, later that night when I tried to open our website I found that nothing would open on the website itself.

Kristen went to the help desk in Engineering II the next day to work the people there. Later that day (Tuesday night) I stopped into the lab to check on the website and to see if anything needed to get done. The website worked perfectly so I thought that all of the problems had been solved. However, when I talked to Kristen later that night she informed me that the things that she did should not have affected the website by making it work. For the next couple of days the website worked only at certain times. This meant that it was not fixed and that something was seriously wrong. Kristen and I decided to wait until Cliff was working to help us with our website because he works with Dreamweaver® to edit the engineering website pages. On Friday we spent approximately three hours at the help desk working with Cliff trying to fix our problems. He was able to see exactly what was wrong with our template and with our uploading. We had been uploading from my Z drive instead of from the X drive. He suggested that we make back-up copies on our Z drives but from now on to work directly off of the X drive to upload and save our work. He worked with Dr. Enderle and other IT (information technology) people from Uconn to obtain for us a new template. By looking at the code and working on it the pictures finally were able to be seen on the template. Cliff then gave Kristen and me a copy of the program that we could use to access the X drive so that we could download the program onto a computer in the senior design lab. With the help of Bill we were able to download the program onto our computer in the lab.
However, when I logged onto the computer to see if we could reload all of the links for our website the X drive would not work properly again. This will be examined this week to see if the X drive program was loaded incorrectly or if there are technical problems with our website again.

We contacted Mike Zenker in regards to obtaining a mold-well for our game. He might have one available for us because he constructs lazy susans. We are hoping to also receive more technical information from him such as the dimensions of the mold well. He knows that he has a mold well in stock that is twenty-one inches and one that is twenty-eight inches in diameter. We would optimally like a wheel that is twenty-four inches but if that is unavailable the twenty-one inch diameter mold-well will work. He will be contacting Kristen in the upcoming week with the information that we need. Obtaining this information is vital to our project because without it we cannot construct the wheel and the base of the game.

On Wednesday Kristen and I took a trip to the Mansfield supply store. This visit allowed us to take and inventory of the available epoxy, paint, dowels, and it also provided us with ideas on how to construct the base of the game and the clicking apparatus. Everything was found at the store thus making our visit a success. Price quotes and other pertinent information were recorded in our lab notebooks. Wooden dowels will be used to go through the bolt holes of the flange bearing. Wood is our material of choice because it can be sanded down to fit exactly in the bolt holes. The dowels will then lead to a wooden block which will be secured with hardware. The clicking apparatus was also decided upon. A wooden block will be attached to the base of the game and a Soft Jamb Door Stop (Fig. 1) will be sticking out of it. You can see this in the “real world” by looking at a wall and seeing what prevents a door from hitting it. The door stop is made out of steel and coated with polyethylene. A zinc plated screw is attached to the door stop which makes it very easy to screw it into the block of wood. We are now waiting for an account of some sort to be set up so that we can go ahead with making the purchases. Contact with Jen in the BME office has already been established in regards to the account.

Figure 1: Soft Jamb Door Stop
A method of painting the foamed PVC was decided upon. We will be using the epoxy method. This method entails cleaning the PVC first, sanding it, layering it with epoxy especially made for plastic, sanding it again, and then painting it. An additional layer of epoxy can be applied to the paint for extra durability. Testing of this method was started late Friday afternoon. Kristen and I prepared a bleach cleaner by combining standard bleach and water. The machine shop was visited to see what supplies they had; such as sandpaper, scraps of wood, etc. However, it was after 4pm so no one was available in the shop. We are obtaining everything we need this weekend so that testing can begin early in the week. Figure 2, shown below, shows the beginning of the testing of the foamed PVC.

![Test Site](image)

Figure 2: Painting Test

**Future Work**

This week we will be working on perfecting the website and the start of the construction of the wheel will begin. The X drive must be examined to make sure that everything is working properly. All of this must be done as soon as possible because the website needs to be working. Further contact with Mike Zenker will be made so that we can start construction of the wheel. The painting method will be further tested so that we will know whether the method will work or not. If it does not work another method will be tested so that the optimal one can be found and used.

**Project Review**

The website not functioning properly through us off of our schedule. The small parts need to be purchased from Mansfield Supply so that construction can begin. Throughout the upcoming week the construction of the wheel will begin so that we are once again on track with our schedule.

**Hours Worked**

12 hours