Personal CAD Project

Madcatz Arcade fight stick PlayStation 3 Edition

This CAD project is a reproduction of the Madcatz Arcade fight stick PlayStation 3 Edition. This device is aimed for gamers that are aiming for a precise, accurate device that will help them win championships and tournaments. Below is the picture I used as a reference to make the project in CAD.

Figure1: Above is the reference photo used for Personal CAD Project.

Source: http://store.madcatz.com/imgs/MCZ-pro-R-ps3-001.jpg

I picked Madcatz fight stick PlayStation 3 Edition as my CAD project because, I am a gamer and I own one of these gadgets myself. I always wanted to try how hard it is to
develop one of these devices from scratch. One of the most difficult parts about this project was making those small details on the top right of the surface and get them on the same line and size. Over time, after a lot of extrude cuts I was able to get them look decent. The second obstacle that made the project hard was to make a cut on the rectangle surface and have an angled edge. Over time, after cutting the object into irregular shapes and simple idea came to light. Draw a triangle on the right view and extrude cut it all the way. I always was interested in building stuff and gaming, the fight stick combine them both to make an interesting project.

After completing this project, I learned to keep everything simple and not to overcomplicate them. It was definitely a challenge, but I was able to overcome it. This project was fun because I get to choose the project and become more familiar with designing in solid work. Seeing the fight stick come together at the end was fun because I was able to see my all my hard work was not wasted.

After spending a semester studying solid works, I was able notice how CAD can help with designing anything if the time was put in learning how the program works. Learning how to use CAD will help any student who is pursuing an engineering degree. Below are the picture of the Madcatz fight stick PlayStation 3 Edition.
Figure 2: An isometric view of the MadCatz Fight Stick PlayStation 3 Edition.
Figure 3: Top view of the Madcatz Fight Stick PlayStation 3 Edition.
Figure 4: A side view of the Madcatz Fight stick PlayStation 3 Edition.
Figure 5: A front view of the Madcatz Fight Stick PlayStation 3 Edition.
Figure 6: A drawing of the Madcatz Fight stick with the top, right, front and the isometric view with measurements in inches.