

Ryan Anthony

EDSGN 100

Professor Correll

November 30, 2011

### Final SolidWorks Project

For my SolidWorks final project, I decided to make a billiard (pool) table. I chose to create a pool table in SolidWorks because it is a hobby that I have had since a young age. I remember my parents buying me a child's pool table that my brothers and I could play on. As we grew older, my parents eventually decided to get a very nice pool table that we were all able to play on. After many years of playing on it, I felt like I knew exactly what it looked like and what specific details would be needed so I decided that this would be a good idea for me since it has both connections with my family as well as is a hobby of mine to play. In order to create the pool table, I had to create three different assemblies: the legs of the pool table, the table and pockets, and the bumpers and side walls. I also had to add in the billiard balls, which are parts, to my final assembly of the pool table. I believe that the most difficult part of this project was creating the six pockets on the pool table and assembling them with the side bumpers, the side walls, as well as the table. It was difficult to align all of the parts using mates and manual adjustments.

Looking back at this project, I have come to realize that I learned so much in SolidWorks. In order to do this project, I had to work through the assembly mates tutorial because my project involved a lot of mates in the assembly. The tutorials helped me learn SolidWorks a lot, but I

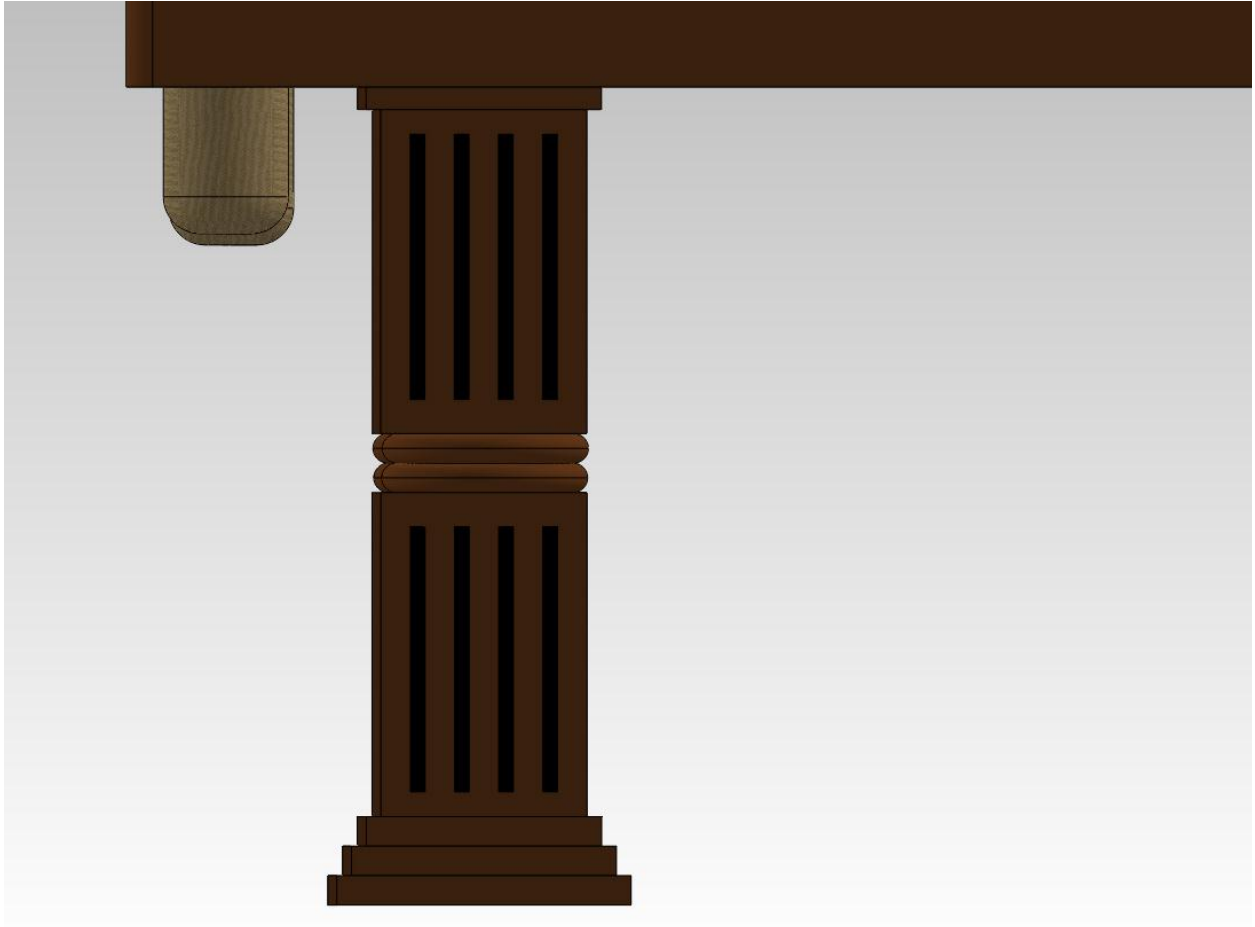
feel like doing this project on my own was more beneficial because I had to figure out how to do everything with only my basic knowledge from the tutorials. I am glad that this was made a long term project rather than just a one day project because it let me develop my idea a lot more. I also feel like I learned more about how to manage my time better. With two engineering design courses this semester with final projects in both as well as work for all of my other classes, I have quickly had to learn how to manage my time better in order to get everything done within the deadlines. In general, I feel like this SolidWorks final project was very beneficial both in my learning of SolidWorks as well as for my time management.



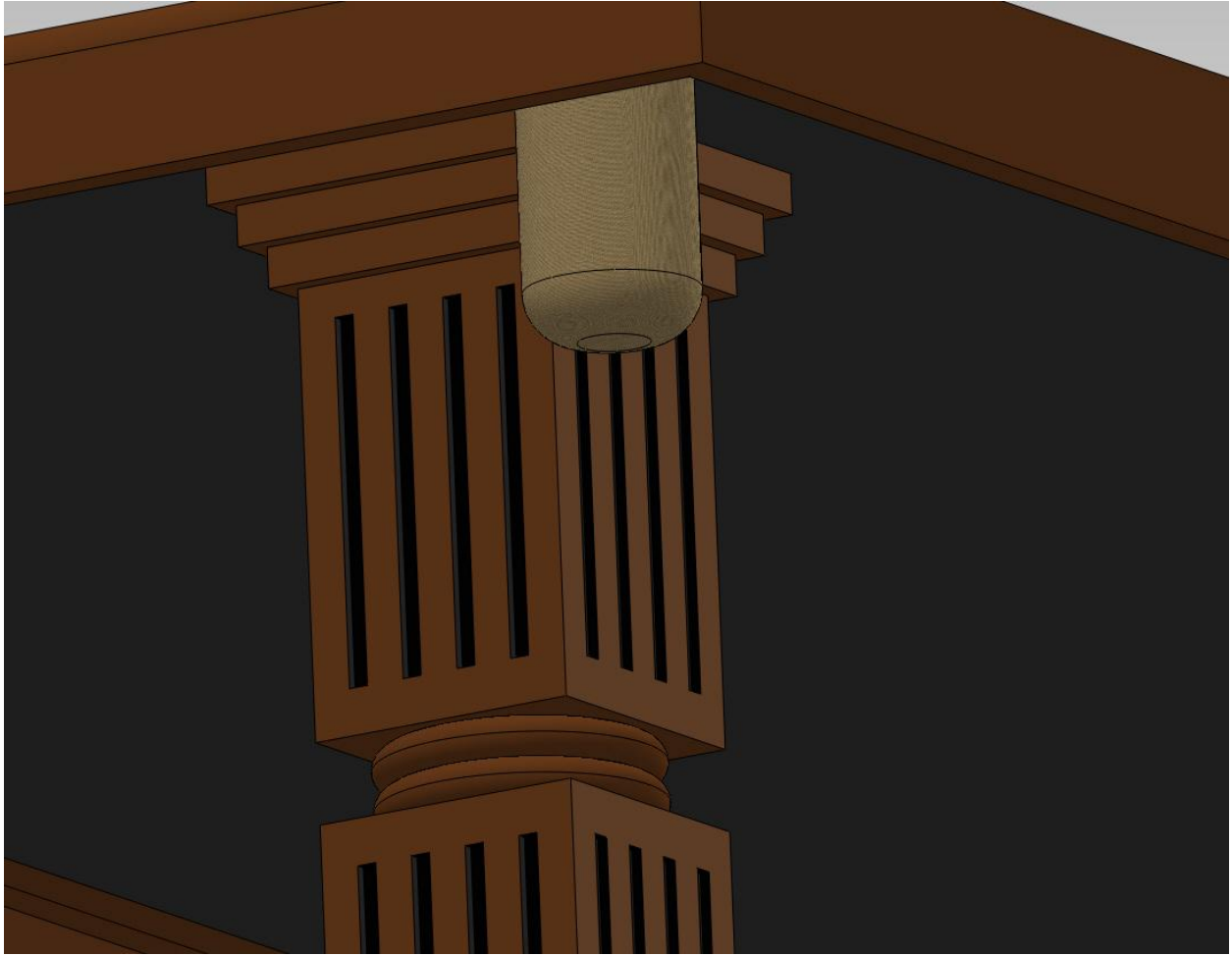
Picture of the pool table



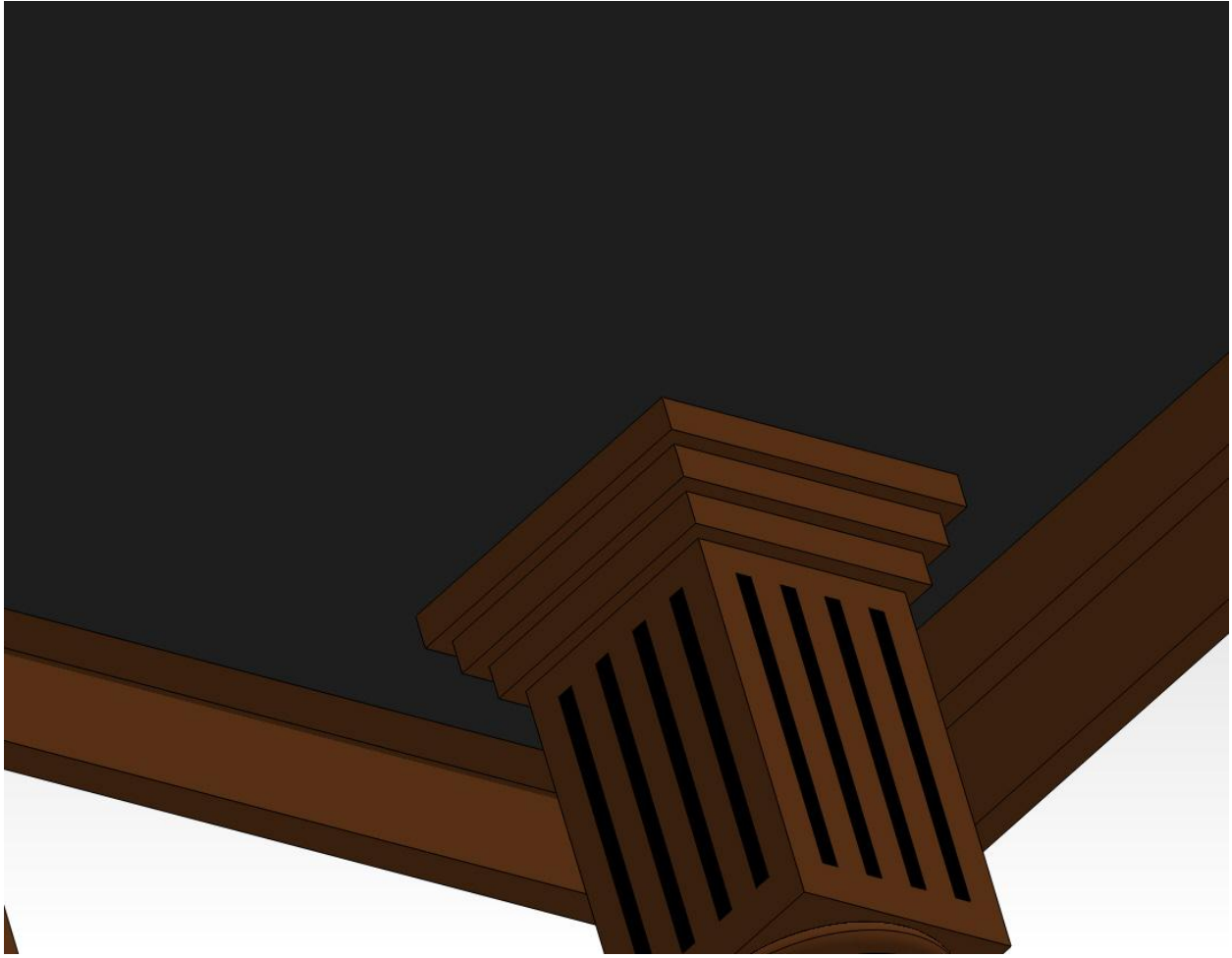
Picture of the underside of the pool table



Picture of a leg of the pool table as well as a pocket



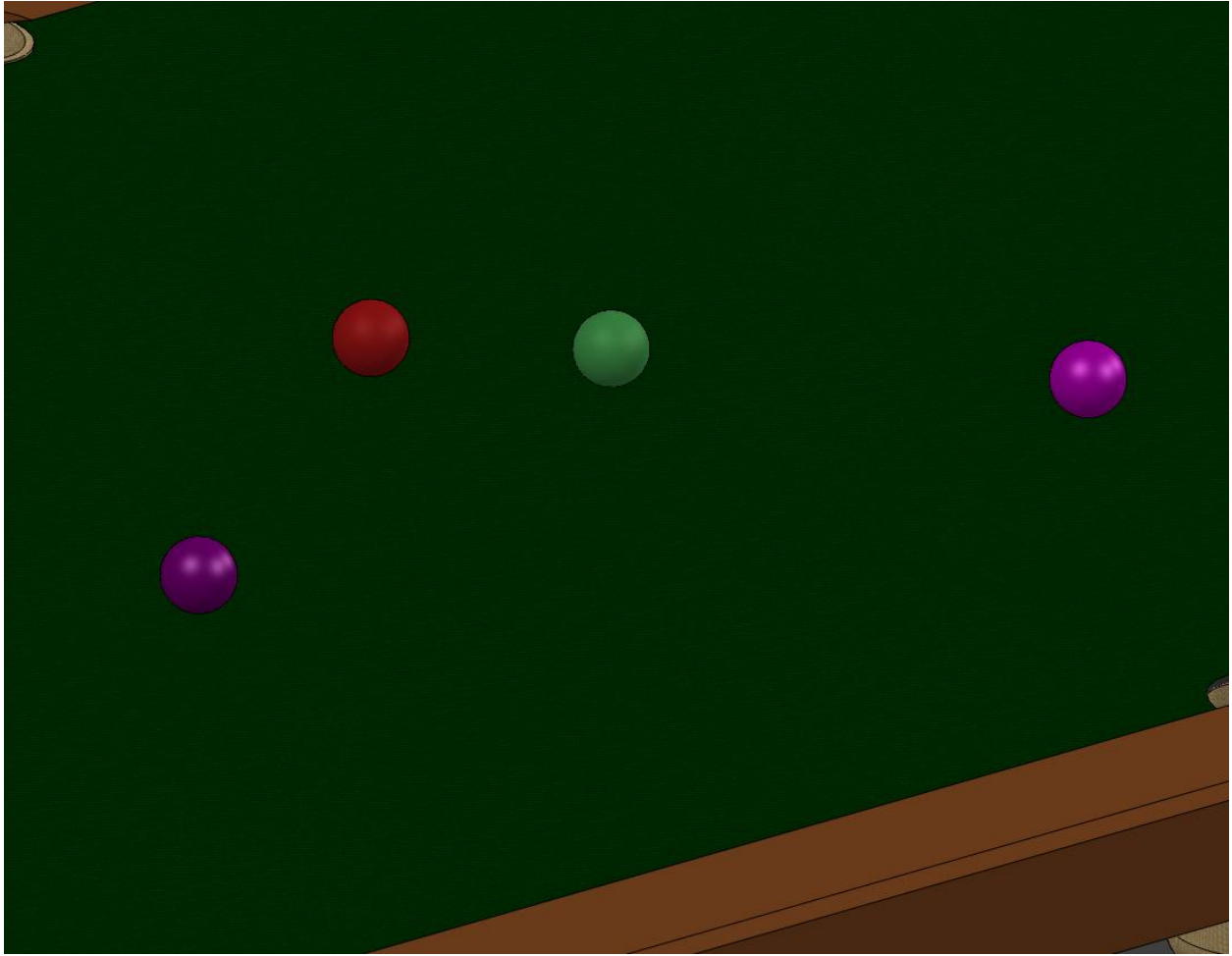
Picture of a leg with the detail more visible as well as a pocket again



Picture that shows the underside of the table connected to a leg



Picture of a center pocket and some of the billiard balls and cloth table surface



A more detailed picture of some of the billiard balls





Picture of the pool table

