Golf Cart for 4 people
Tomas Alonso Valverde
EDSGN 100 section 22
Dr. Sarah Ritter
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In this picture you can see the golf cart fully assembled and note the detail of the decal next to where the battery cord goes.

In this one, you can appreciate the cup holders and the pedals.
In this one you can see how the wheels are attached to the car and also the details of the wheels.
The purpose of this one is to show the cushions and the armrests.
QUESTIONS

a) Explain why you picked this object to create in SW and how it relates to your interests.
   At the beginning I did not know what to do so I asked one of the TA’s for ideas. Since I
   love playing golf, he gave me the idea of creating a golf cart and I liked the idea. I looked
   at a bunch of different ideas but the one that I most liked was this style.

b) What SolidWorks features did you use to complete the project (e.g., used a lofted cut to
    remove the interior material)? Be specific and walk through your process.
   I started by doing the base of the cart and then make extruded boss/base of it. After this I
   did the cushions were I had to do a lot of fillets. After this I created the steering wheel
   and pedals. For this I had to create a new plane with a certain degree angle. After this I
   did the cushions support were I also had to create a new plane for the ones in the back.
   After that I did the armrests where I had to do cuts and fillets and do the assembly at the
   end. The last thing were the wheels and easy little details like the decal, cup holders, key
   hole and battery charger. For the wheels I had to draw on a certain plane in order to make
   all the wheels stay in the same position.

c) What was the hardest part of this model to complete? What new feature(s) did you learn?
   The hardest part was the wheels because I had no idea how to them but after I asked the TA, it
   came to be very easy. I learned to draw on a plane but not exactly on it, like if the plane that I
   needed was 5 inches away from where I wanted to draw, I select the plane and then just draw
   wherever I want to.

d) What did you learn from the SolidWorks portion of the class?
   I learned an easy way to model a lot of different things. This was very helpful since
   sometimes you cannot draw something, but doing it on SolidWorks is easier and people
   can understand your idea better.

I just used one picture for guidance and guess the dimensions from what I have seen when I go to
play golf, so the dimensions are an approximate, but I think it is a very close approximate.

http://www.fabulousinflatables.com/
wp-content/uploads/2014/03/Golf-Cart-No-Roo.jpg