My Dream Audi RS5

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Pictures of my Audi RS5

Overview

Front View
The Special part:

(It has a loft and a loft cut in the middle of the circle)
About my Audi RS5

This is the Audi RS5. A very cool coupe made by Audi. It is my dream car for now and I love the Audi’s RS series so much. That is the reason I choose this car as my personal CAD model. My interesting is play sports and enjoy the driving experience. This car is made for a very good sport experience. I can find so many joy from it. And I hope I can buy it someday in my life.

In the Solid Work, I made the shell of the car first. I get the basic shape of the RS5 and extruded it. Then I used filet to make all of the corner into smooth surfaces. Then I cut the door and put a square with a hole in it on the side of the door to make sure I could assemble my doors. I made my doors and wheels after that. Then I assembled them together and added more detail on it, like extruded cut the tail lights. After all of these steps, I extruded a hole next to the door for the side mirrors. I made the side mirrors and used “mate” function to put them together. Finally, I added the color on my RS5 and make it looks better. After that I still feel it needs something more, so I did a loft on the middle of the wheel and then did a lofted cut. That makes the wheel looks much better and cooler. When I did my RS5, I extruded cut all the windows, because I want them look different with the body of the car. Then people could recognize they are two different parts.
The most difficult part is how to cut the part inside of the windows but still leave the window there. I tried many times and still cannot make it. Then I asked the TA’s help, we solved that problem. There are many ways to do it, one of the ways is to move the plane we sketch and make it behind the window. Then do the extruded cut. I think this is really interesting. The new feature I learned is the lofted cut. That feature makes me could cut a solid thing with different top size and the bottom size. So I made the center of my wheel a lofted cut. It makes look like a vortex. And also I learned the linear pattern feature. That is really cool. It could save me a lot of time when I try to make the same shape many times in the same direction.

In this class, I learned how to make a 3D sketch in solid work. This is very helpful when I try to make an object. This could give me a better picture before I start making it. Then I could find the problems and fix it before it goes too far. I think this is very useful for me in my future career. This also let me learned that I need to be very careful to what I am making; because if I made one mistake at the beginning, I might need to start over the whole thing later due to this little mistake. This taught me that I need to pay 100% of my attention to what I am doing and have a very clear idea about what I am going to do. I think this could help me a lot in my future.
Reference:
https://i.ytimg.com/vi/Wv3dx-02Y04/maxresdefault.jpg