Solid Works Project

I am using my car as a go karting car. The material I am using for my wheels is the alloy steel because of its high strength and long durability. It is also environmental friendly as it has a negligible impact on the environment. Since the car is going to be outdoors, it will be in contact with air, and normally when the metal comes in contact with air it corrode but alloy steel also prevents corrosion.
For the axle and the frame the material I am using is carbon steel, as it is one of the strongest materials available. The key feature for it to be used for the frame is its light weight. And all other factors are same as the alloy steel considering environment and the corrosion. Durability is also another factor.

For the tires I am using rubber made out of carbon black compounds, which is the most durable rubber and has a positive impact on the environment. It is also the most common rubber used for the tires for the cars that we normally drive.
And also the two things that I added to my car are the car seat and the handle. For the car seat I used a normal metal and cushioned it with a polyurethane foam flexible, to make it more comfortable and for the handle I used stainless steel, as it has a good strength and durability and also it is prevented from the corrosion which is a major factor.

Most importantly it is economically sustainable.