Nick McClorey, Raeshawn Bart

Project Constraints

Time:

Regarding our project we only have so much time to assemble a functional prototype. There's also the situation in which upon assembly if a part needs to be ordered the time in which it takes for the new part to come in and then to install onto the prototype. The changes that need to be made upon finding flaws and also testing errors that occur.

Technical expertise:

There isn't a premade solution for figuring out if a seatbelt is buckled. This will be a major challenge that must be overcome. In addition alerting parents from systems within the car may be challenging as we don't have access to the internet. The alerting system must be able to contact parents directly.

Scope:

There are many different car seat configurations. Infants, toddlers and children may all have different car seat styles.. We will target infants and toddler seats but even in this area, there are many different car seats. Our solution may not be compatible with every carseat on the market. It's important to keep this in mind when designing our monitoring system. However, we must prioritize getting a working prototype before expanding to different types of car seats.

Legal:

based on the nature of our project we have to find means in which to notify bystanders and also the parent or guardian that a child has been left in the car. This could run into legal issues because we would have to modify the seat belt and install certain equipment in the car. Also we have to think about the idea of an alarm sounding off after there being no response with the child being left in the car this could be an issue with the idea that it would cause a public disturbance.