

Weekly Status Report 1

Team: Sddec19-05

Project: Road Safe Phone Case

Progress:

As a team, we discussed the project proposal and the criteria that the client has stated. After reviewing this information and speaking with the client, we began to research different components that we may potentially use in our project, which in broad terms is a phone and car key case. To meet project requirements, these components included a locking mechanism, sensor(s) for object detection, power source, possibly some software, and more. With our research, we initialized a general project plan to then propose to our advisor.

In our meeting with our project advisor, Diane Rover, we explained the scope of the project and the client's wants. As we discussed the product uses, we found that while the initial design has several advantages for the user, it also has some setbacks, such as not being able to access GPS or the phone or key in case of emergency. Diane advised defining the problem with the client and trying to find the best solution that will promote the end product's advantages and mitigate its disadvantages. Some of the materials needed to create a possible solution, such as 3D printing and sensors for detection, were also briefly discussed.

Improvement:

This week, we have discussed our initial approaches, but after meeting with our advisor, we have uncovered several other criteria that must be determined between the client and our team. Thus, we are currently arranging a time to meet with our client to further develop the project plan. As we discuss the pros and cons of our current plan and gather insight as to why she has an interest in this product, we hope to be able to provide a solution with minimal disadvantages for the user. Our team will also continue to researching the hardware and software we are familiar with for the project's initial design as well as look into the possibility of using a program to construct and 3D print the case.