What he wants:

Some product which you can put into a trunk that is battery operated that is possibly magnetic so you can stick on top of you car and turn it on it will spin around a cylindrical surface that people can see simple words like “help”

see from 50 feet away

do a mechanical feasibility test

You can spin it in other fashions if need be.

if there are similar products on the market you can purchase thema and upgrade them

moving advertisement board

replace the guys who spin the signs on the street corner

foldable bendable LED

Use the high brightness LED like in the lab

Cost effectiveness

Exceeding his expectation: use an iPad to send words to the device

web interface using HTML5

Don’t do a stand alone app.

Layout the major components, then do the detailed design (circuits, ect.)

We may not have time for prototyping

If we want to do the prototyping we have $250 for our team

Get to the point that we are ready to purchase and build.

If we want to build it we can.

*When displaying the words on the LED do you want it to be seen from one position?*

*It’s up to us. Consider how big the words should be. Typical scenario should be a car breaks down on the side of the road and they get out our device*

*How durable?*

*We don’t need to make it military scale. Focus on southern california.30-120 degree*

*magnetic on the bottom?*

*Yeah, or use a heavy battery or something to keep it from trembling when on top of the car.*

*1 full battery should last 1 full hour.*

*if not in use it should have 3 or 4 months no problem*

*only for emergency purposes so we can use a non-rechargeable battery.*

*Is weight an issue?*

*It should be easily portable in the trunk but ultimately we decide the final weight. Base should be relatively heavier so it won’t shake.*

*Easily assembly?*

*Yes for sure. It should be easy to take apart and put together.*

*Safety feature?*

*We need to look into this ourselves.*

*Should we put a set timer in there?*

*Yes, it would be very nice and it’s very doable.*

A rough idea:

make sure we have a counterweight (which can be the battery)