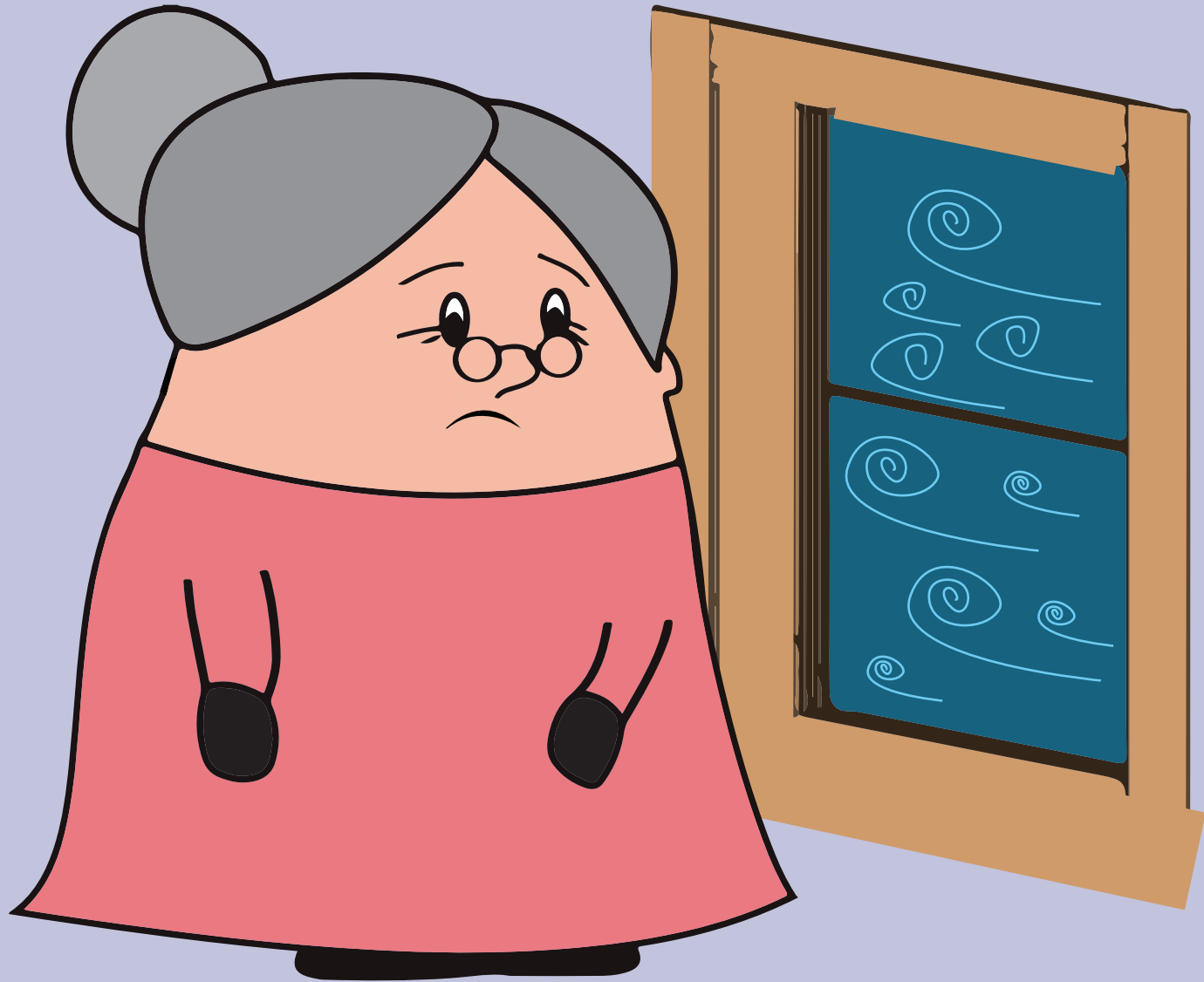
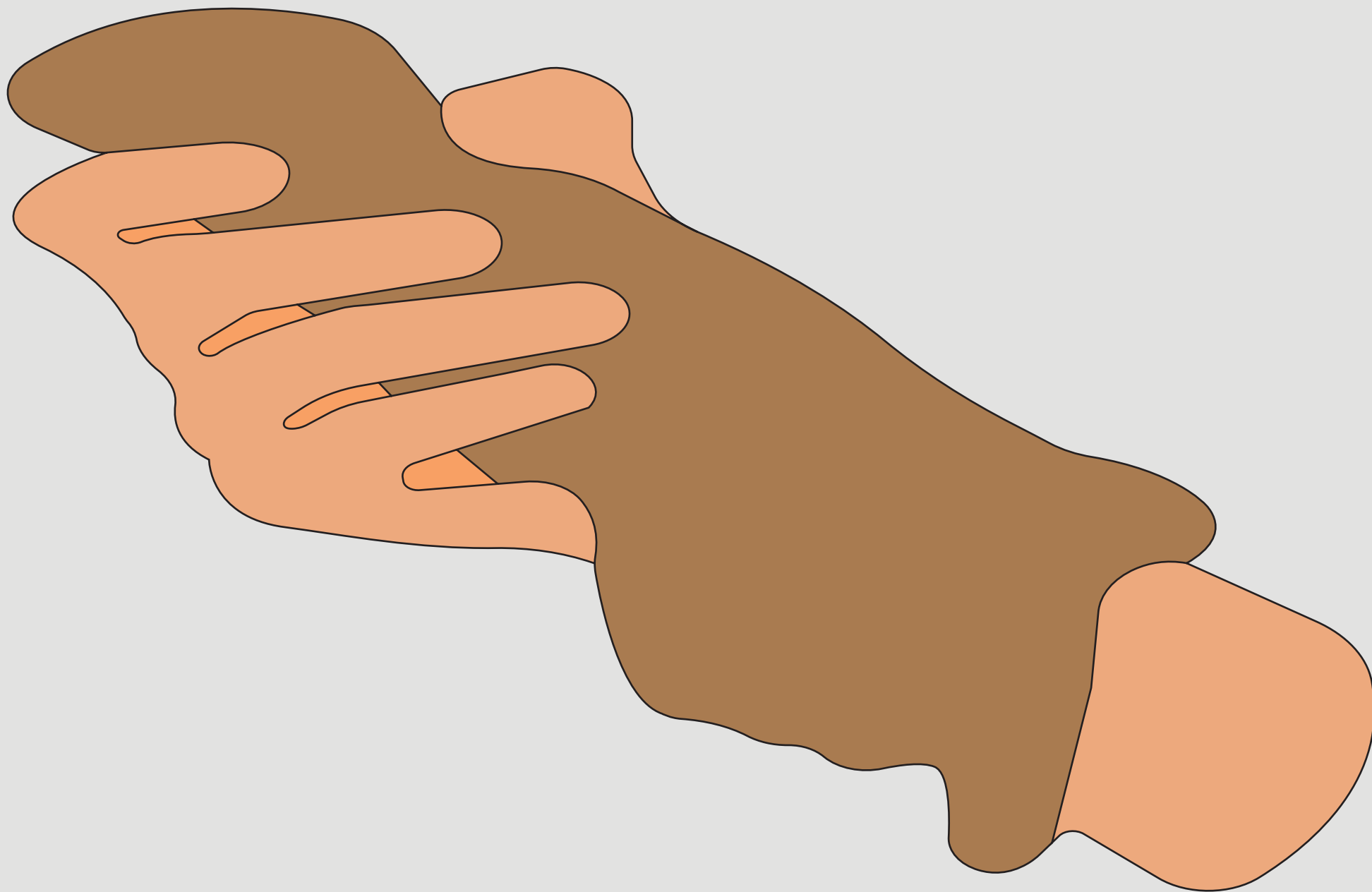


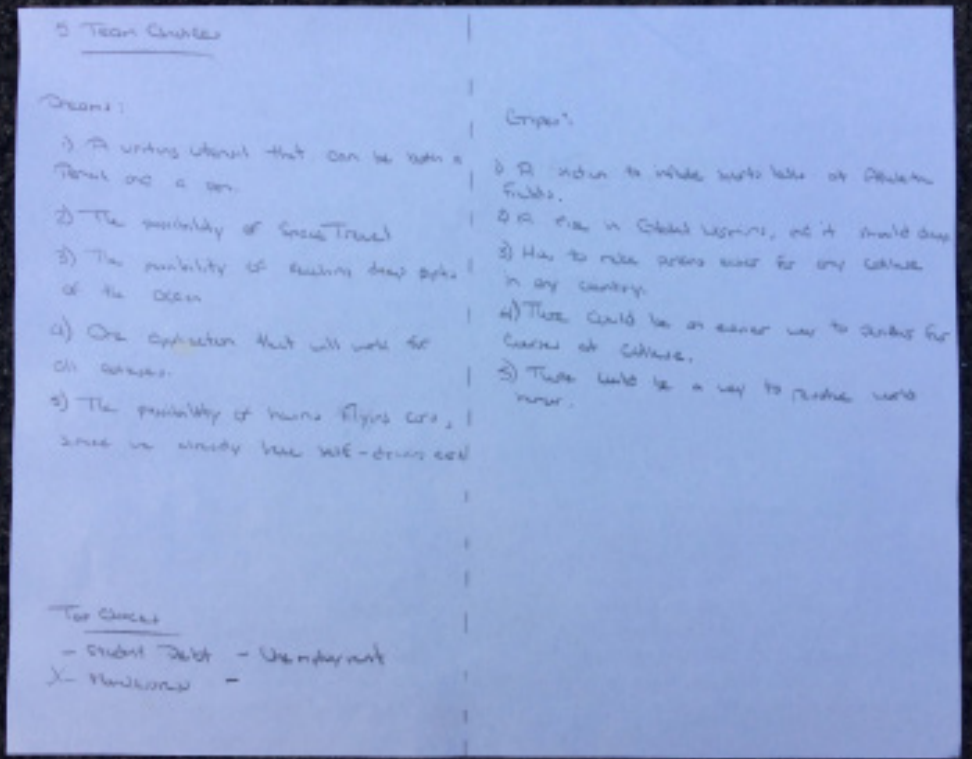
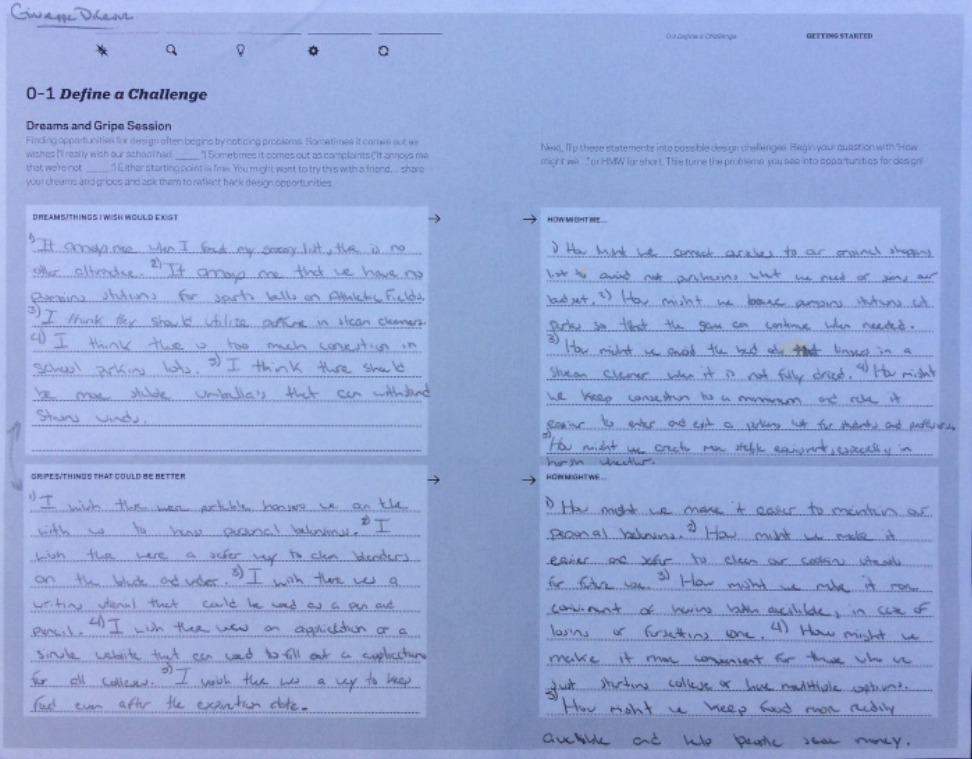
Natural Disasters Affecting the Elderly



How Might We Care Better For the Elderly During Natural Disaster's in the East Coast?



Empathize



Top 5 Dreams:

- A writing utensil that can be both a pencil and a pen.
- The possibility of Space Travel.
- The possibility of reaching the deep parts of the ocean.
- One application that will work for all colleges.
- The possibility of having flying cars, since we already have self-driving cars.

Top 5 Gripes:

- A station to inflate sports balls at Athletic Fields.
- A rise in Global Warming.
- How to make parking cars easier for any college in the country.
- There could be an easier way to register for courses at college.
- There could be a way to resolve world hunger taking place.

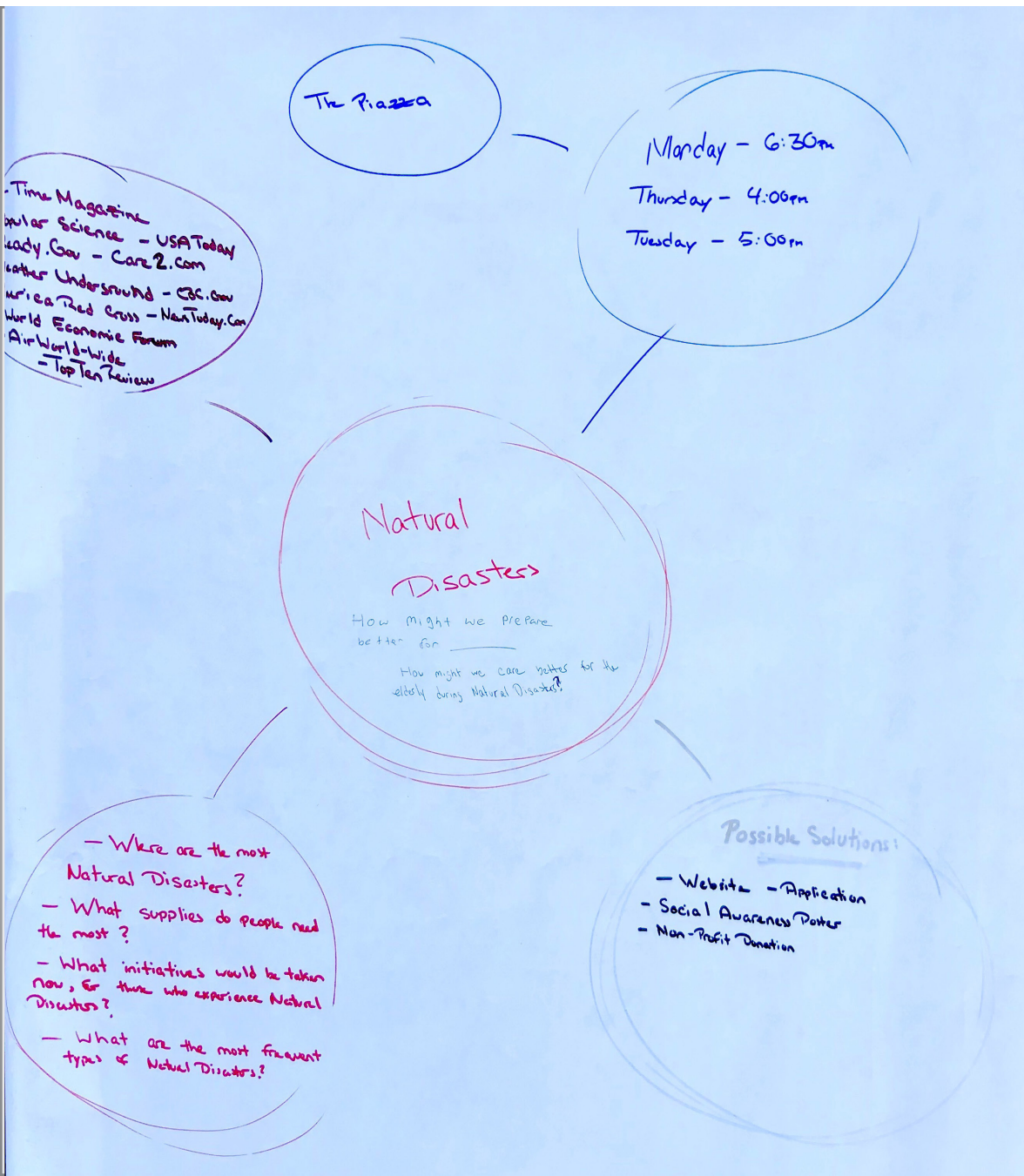
Empathize

Five Important Factors from Mapping

- Research
- Sources
- Possible Solutions
- Times to Meet
- Where We Will Meet

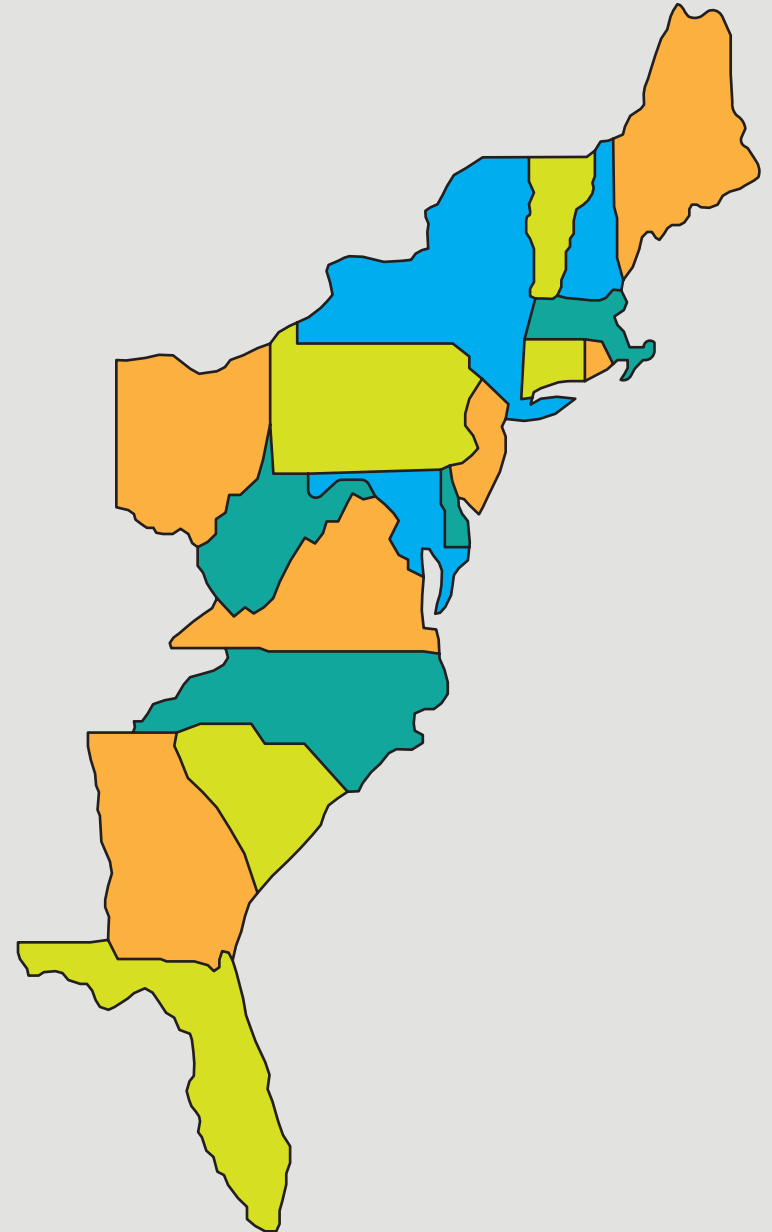
How Did This Help?

- Layed the foundation for the rest of the project



Empathize

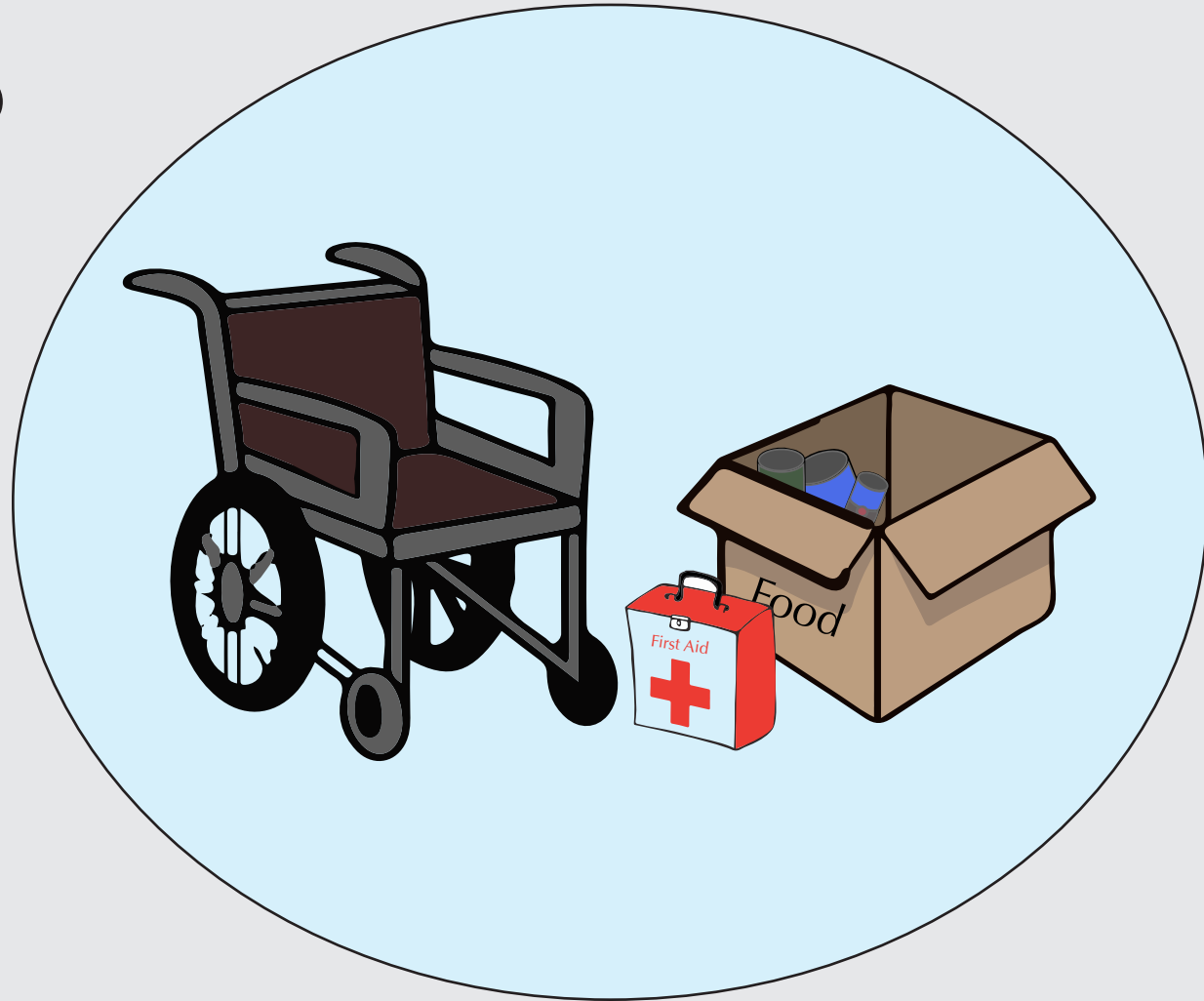
- After conducting further research, we decided that our primary audience should be the elderly and that our main location should be on the East Coast of the United States.
- We decided to choose this area due to our knowledge of it, as we are both live on the East Coast.
- We decided to choose the East Coast also due to recent activity that took place such as Hurricane Irma, which killed around 8 elderly citizens trapped in their nursing home and how half of the deaths in Hurricane Sandy were elderly citizens over the age of 65.



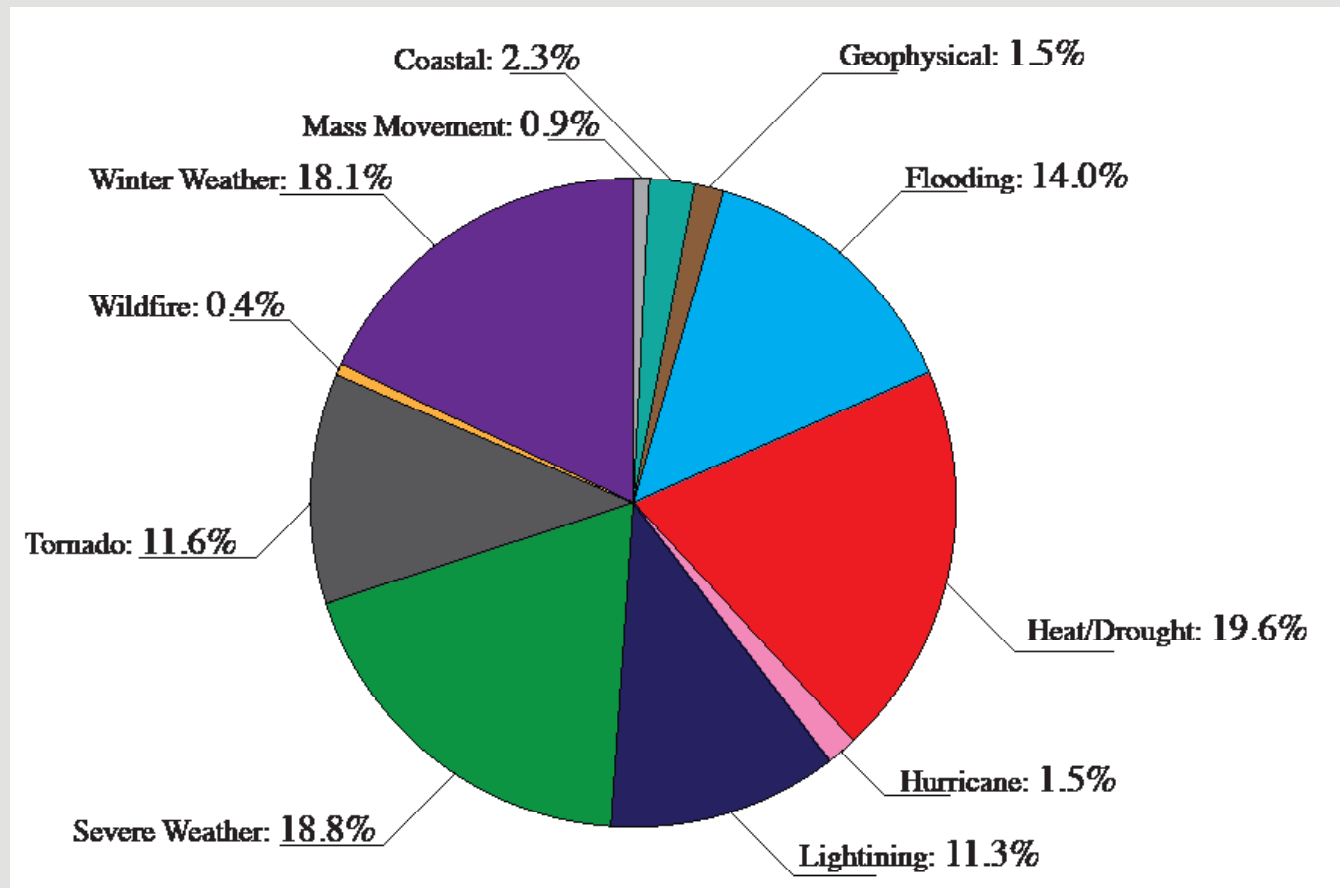
Define

What They Need

- Water (enough for four days)
- Food (enough for four days)
- Medicine
- Wheelchair (if applicable)
- Cell Phone
- Blankets
- Extra Clothing
- ID, credit cards, and cash
- First Aid Kit
- Flashlight



Define

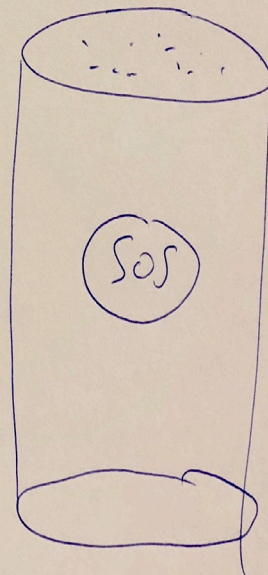
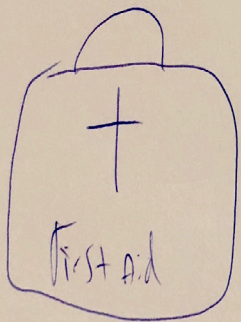
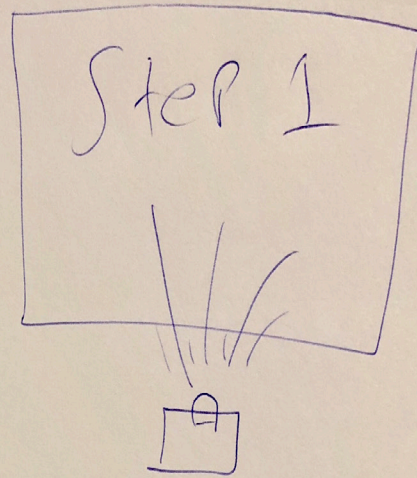
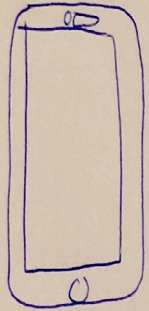


This is a Pie Chart displaying the amount of elderly fatalities that have taken place through certain natural disasters over the past decade. Many of these fatalities occurs in the most common disasters such as Heat/Drought, Floods, and Tornados.

Ideate

Andrew's Ideas

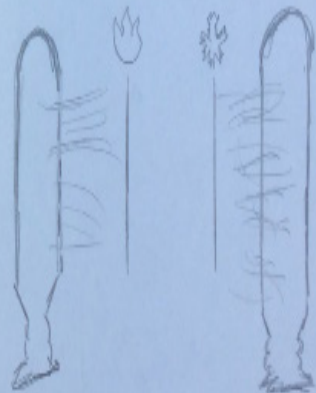
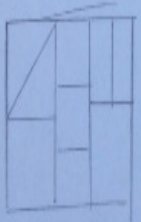
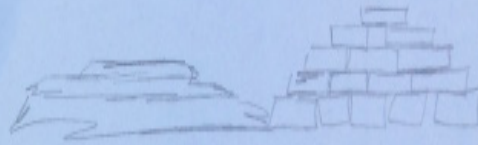
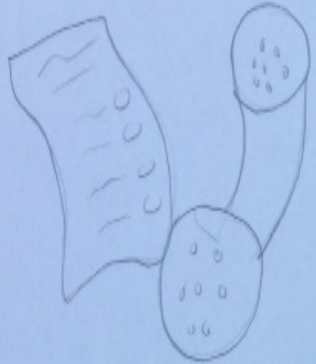
- Community Service Application
- Step by Step Video
- Natural Disaster packages subscriptions
- 24/7 voice speaker device



Ideate

Giuseppe Ideas

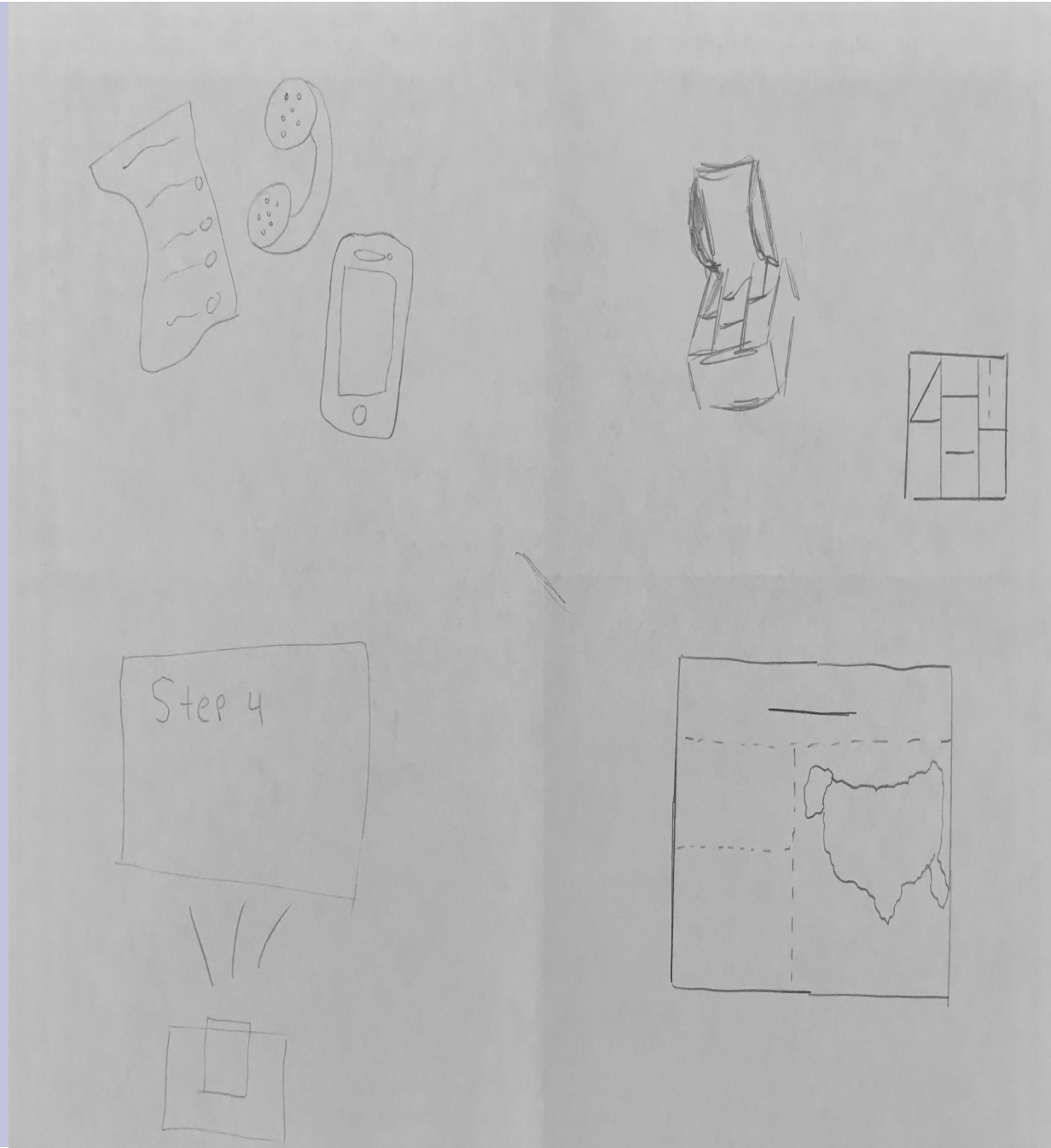
- Community Service Application
- Resources and Supply Donations
- Package of Essentials
- Free Heater/Cooler



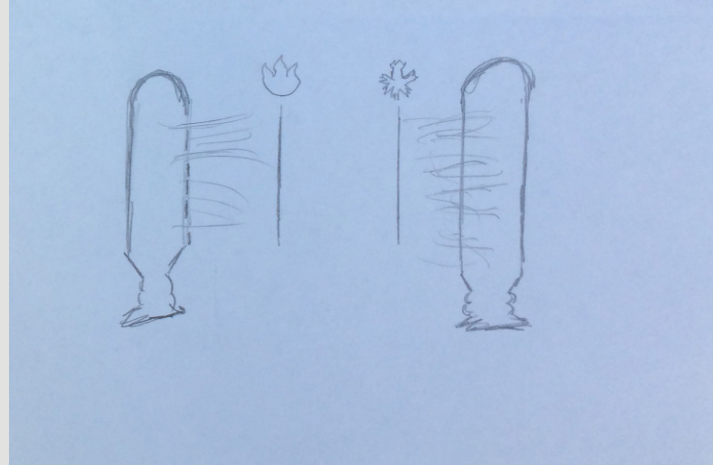
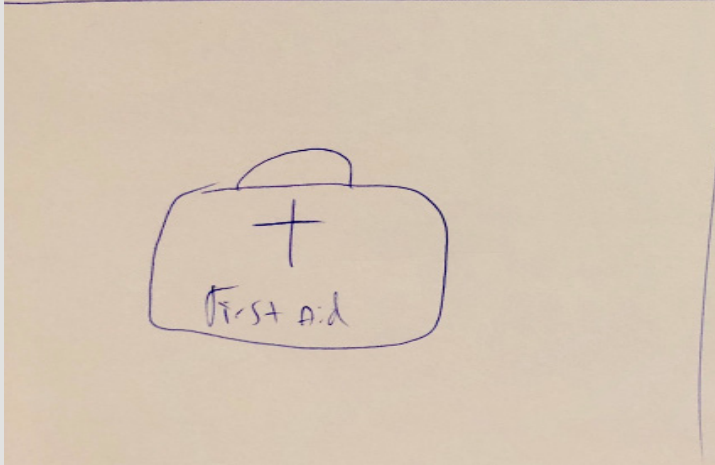
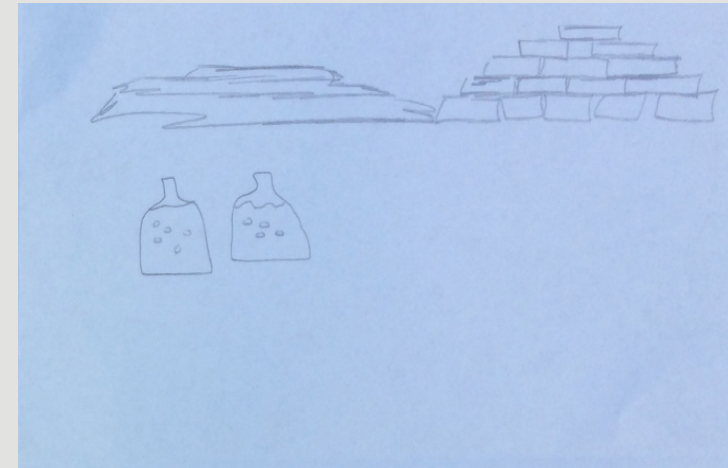
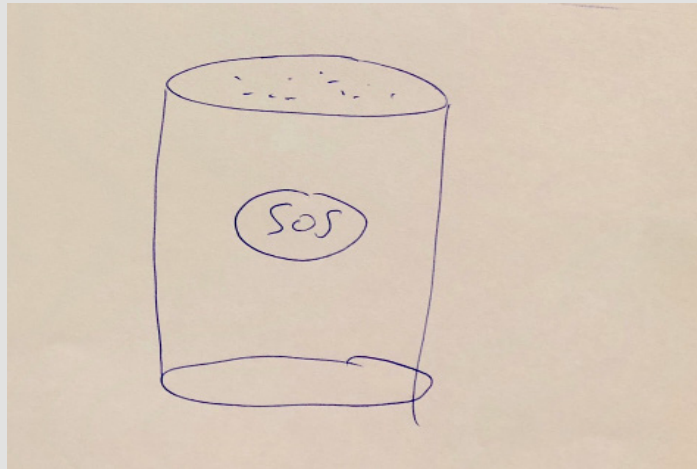
Ideate

Narrowed Down Ideas

- Community Service Application
- Step by Step Video
- Package of Essentials
- Social Awareness Poster



Ideate



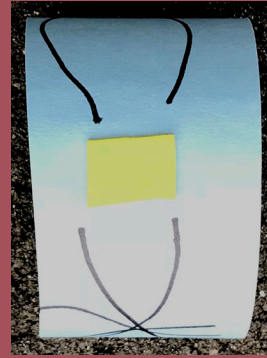
The Ideas That We Cut Out:

- Too Generic, far too obvious for a design at this level.
- Some ideas have already existed.
- We didn't think it would be much of a success.

Prototype

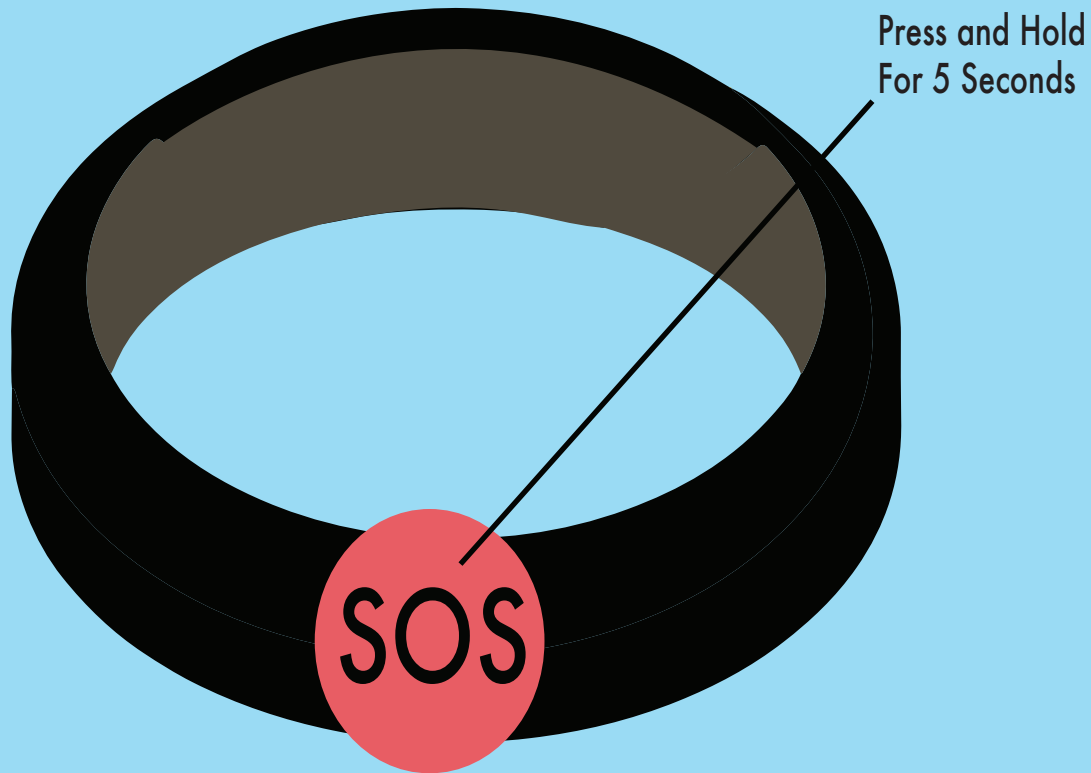
Three Prototypes

- Bracelet/Watch Communicator
- Emergency Phone
- 24/7 Voice Speaker Device



Prototype

Our Favorite



- Easy to use
- Comfortable
- Always on Them
- Cheap

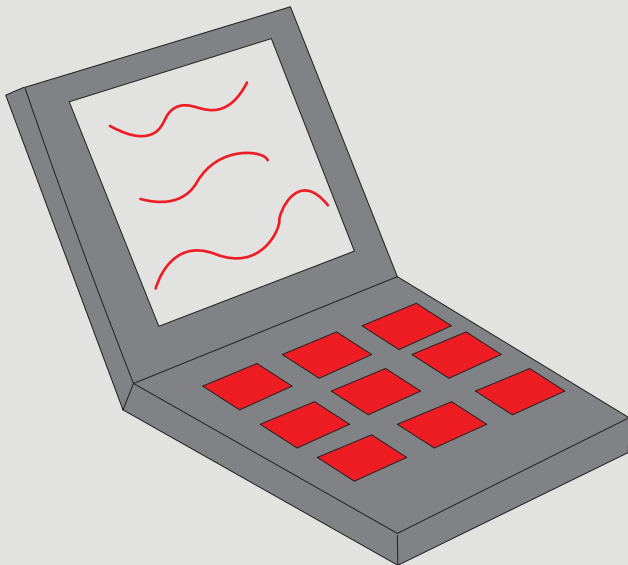
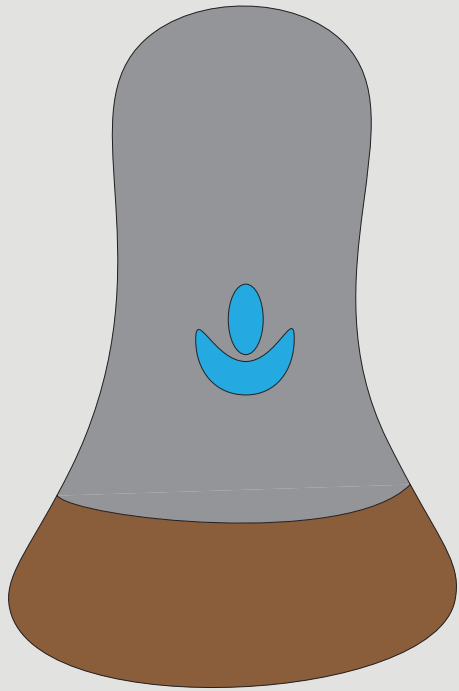
Prototype

Why Did We cut out these Prototypes ?

- They would be too difficult to use for the target group which is the elderly

- They would have been too expensive for consumers.

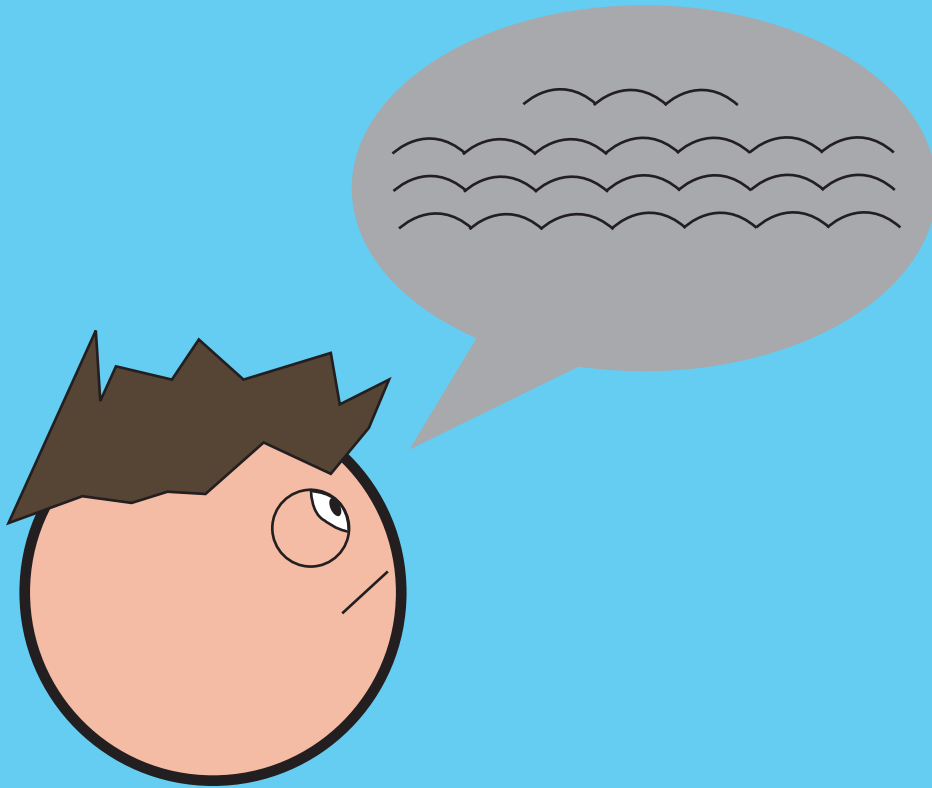
- The first prototype we designed, was inspired by the device Amazon Echo, but we felt that took away the portability. The second prototype was a phone, but we thought it would too difficult to use or consumers would have to pay for broken parts or a damaged screen which wasn't feasible.



Reflection

Key Insights

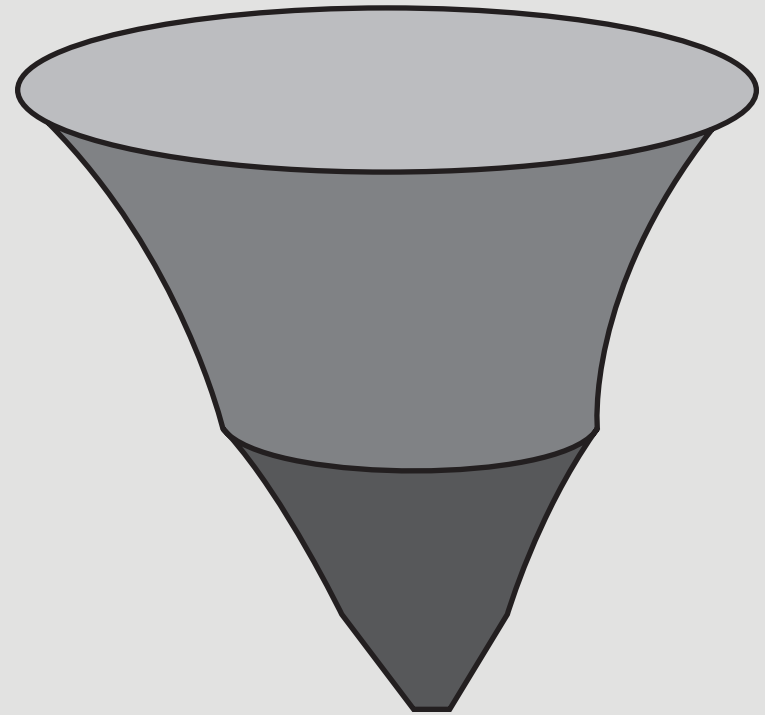
- How to use critical thinking skills and how important they are
- How each step is essential
- As you move along in the Design Thinking Process the idea comes more to life
- With the Design Thinking Process, an idea/solution can be made applied to anything



Reflection

Most important key insight: As you move along in the Design Thinking Process, the idea comes more to life:

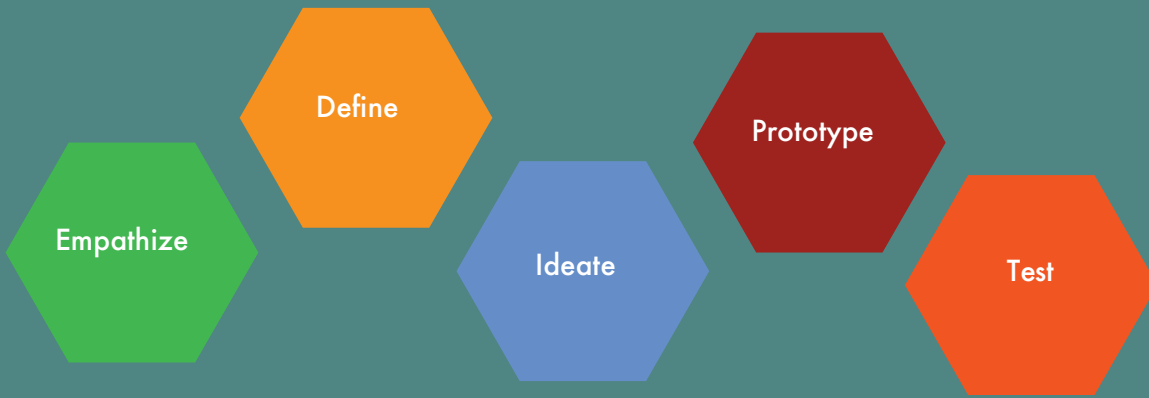
- Get off to a good start with your project.
- Find a certain audience.
- Conduct effective research.
- Narrow down ideas to find the best solution.
- Create an effective solution.



Reflection

Applying Design Thinking To A Real Life Scenario

- Helped us develop idea
- Took a non-common problem and found a solution for it
- Stressed the importance of Design Thinking (we wouldn't have thought about this idea otherwise)

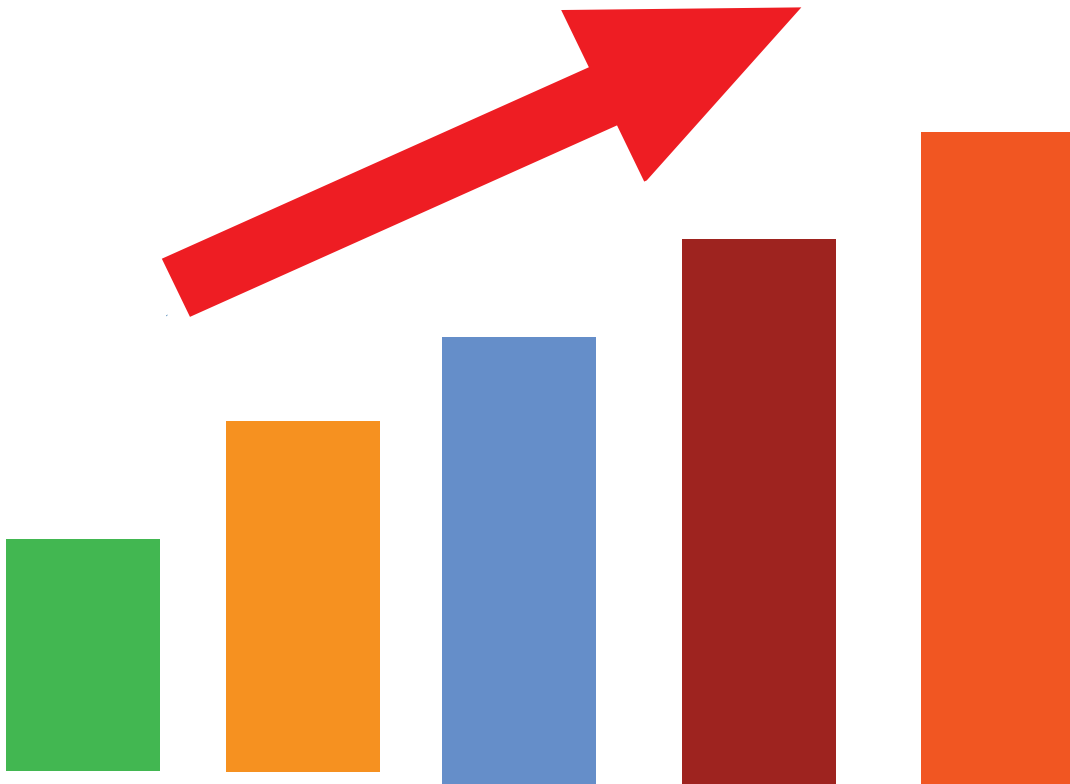


Conclusion

The elderly in natural disasters is a threat that is still rising. Over half the people who are victimized in natural disasters are over 65 and are not even prepared for when a disaster strikes. Unfortunately, most of these elderly citizens who are fortunate to survive a natural disaster are still with food, water, or shelter to support them which is why there should be some sort of alternative way to help them in a time of need.

~~UNPREPARED~~

Death Toll



Conclusion

This Problem is Real and Will Continue to Grow

- Half of the victims in Hurricane Sandy were older than 65 years old
- Eight elderly individuals die in a nursing home from Hurricane Irma

Work Cited

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