

## **Project 312**

### **Customer Needs**

#### **Customer Statements**

These questions and answers are from a survey sent out to college students.

**What features do you think would be necessary to include in a device that is meant to prevent sexual assault in the future?**

**“Must be comfortable, un-invasive, discrete, preferable small”**

**“Something that would trigger sending a location to others or notices to friends/family (ie “help, I’m not safe”), make a loud noise and possibly calling authorities.”**

**“Location transmitter, untrusted user opening alarm”**

**What features do you think would be necessary to include in a device that is meant to help individuals cope with past instances of sexual assault?**

**“A victim hotline to give them an outlet to talk to someone if they have a trigger, call a friend option”**

**“Access to speak to loved ones/a licensed professional like a therapist, something to practice mindfulness like meditation”**

#### **Needs**

Number	Need	Source
1	Wearable/Comfortable	Customer
2	Discrete/Non-Intrusive	Customer
3	Send/receive data or alerts to/from Smart Phone	Customer
4	Durable	Customer
5	Contact emergency authorities	Customer
6	Provide users help post-sexual assault	Customer
7	Follow the guidelines from FCC	FCC

### Interpreted Needs/Requirements

Number	Need	Source
1	1	Provide padding or smooth edges to the device so as to not scratch/poke the user.
2	2	Small enough to be hidden behind/under clothing.
3	3	Utilize Bluetooth technology to communicate to smartphone.
4	3	Develop an app to control the device and interpret the data received from device
5	4	Develop a way to keep device active during normal activities
6	5	Use smartphone to contact authorities if device is triggered
7	6	Include contact information of professional help/therapist-- REWORDING
8	7	Use device and Smartphone in a manner not to cause unnecessary communication interference.