		Level 1 (Must Have)	Level 2 (Should Have)	Level 3 (Nice to Have)	Notes
Functional					
	Detect light				The device will take into considerations of intensity and type or light. For example, flourescent lights are known to trigger sensory overload so the device can specifically look for those lights and alert the user.
	Detect sound				Different individuals with autism have different thresholds for noise therefore our device will take into consideration of their limits and provide alerts when the sound goes above their threshold level.
	Detect heart rate				One factor that can be used to detect sensory overload is heart rate. When individuals experience sensory overload, they get anxious making their heart rate quicken. The device will be able to detect this change in heart rate and alert the user.
	Detect crowds				
	Analyze the sensory stimuli				- The app will detect the sensory stimuli and consequently analyze them to send a notification
	Display through notifications				-The app will also allow notifications in a text message so the caretaker can be alerted when the user needs assistance.
	A working app				- The app will take the user's threshold and send notifications to the caregivers
Physical					
	Wearable				Due to sensors being present, the device shoud be wearable
	Comfort				While talking with a caregiver, one of the things that individuals with autism prefer is comfort as discomfort is also another factor that can cause sensory overload.
	Small size				Individuals with autism don't want to draw attention to themselves so a small design will prevent this from happening,.
	Safety				Safety is crucial for the client. We want them to be as safe as possibe.
Cost					
	Below $200				This product should be cheaper than competitors because cost is a big barrier for people with autism. Looking at competitors such as AngelSense, they require the user to pay 600 dollars annually. Our device will only be a one time payment and will be signficantally cheaper compared to other models in the market.
User					
	Wear device with one hand				This is a caretaker note as The device should be designed so that The user is able to wear the device with one hand.
	Need a working device (phone)				User needs to have access to a pesonal device so they can download our app for use
	Must be able to input threshold				-the user can test and then input their personal threshold so that the app can give personalized notifications
Documentation					
	Included user manual				-The device will come with a user manual with all The instructions on how to use The device