IoT stuff			
Ultrasonic sensor x2	one for frequency one for volume		
speaker	for sound		
Raspi	for processing		
	0.1	Setup environment	done
	1	Connect Raspi to ultrasonic sensors and do a test program	done
	1.1	Makefile	done
	2	Have initial setup	done
	3	start implementation	done
	3.1	Perception layer - Receive data from ultrasonic sound sensor, distance data	done
3.1.1		hook up 2 ultra sonic sensors	
	3.2	Network layer - Transmit data to raspi	done
	3.3	Edge layer - to preprocess data	
3.3.1		Remove spikes in data by having the difference in range not more than a certain amount	
	3.4	Processing layer - process data into sound	done
	3.5	Application layer - get sound output	done
3.5.1		Bluetooth	done
	3.6	Business layer - Print outputs on a display to demonstrate whats going on internally while the thermin is in use (put the music note on the display)	done
	3.7	Security layer - encode data before transfer somehow	
	4	test	
	4.1	distance readings are consistent	
	4.2	working as intended	
	4.3	sound is coming from speaker	
	4.4	make sure the notes are correct	
	5	ML integration	
	6	cloud aws	