Data Coaster by Joanna Bou Fadel

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PREPARED FOR

Interface Design 4 - Prof. Dr. Jens Geelhaar

Winter Semester 2017/18 Interface Design - Media Art and Design (M.F.A.)

Customer Feedback

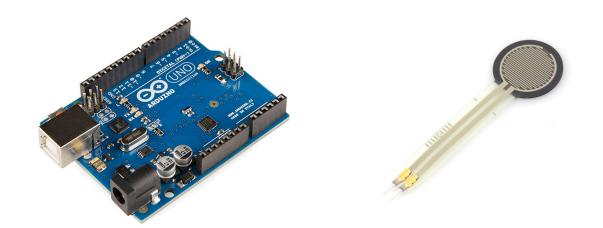
- 1. How honest is the feedback?
- 2. How many customers don't speak out?
- 3. How to retrieve product-specific feedback?



Measures the consumption rate during a time interval

DataCoaster

How does it work?



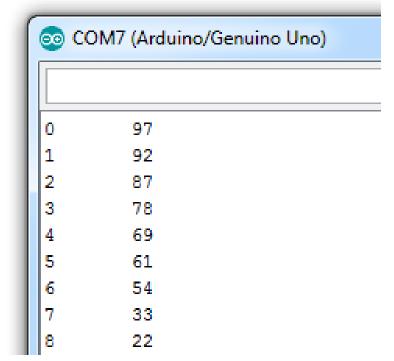
Arduino

Force sensor

```
#include <EEPROM.h>
int addr = 0;
void setup() {
  Serial.begin(9600);
  pinMode(0, INPUT);
}
void loop() {
  int sensorval = analogRead(0);
  sensorval = map(sensorval, 0, 1023, 0, 100); //convert the values
  Serial.println(sensorval, DEC); //retrieve the values
  delay(60000); //add a delay of 1 minute
  EEPROM.write(addr, sensorval); //store the value on the equivalent byte
  addr = addr + 1; //move to the next byte
```

}

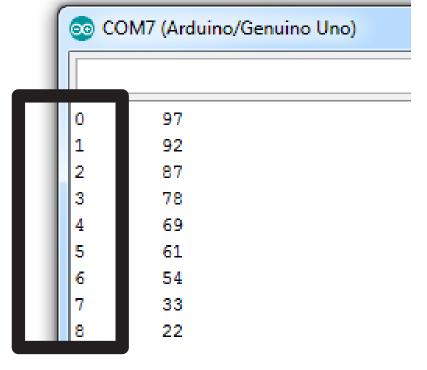
00	COM7 (Arduino/Genuino Uno)
97	
92	
87	
78	
69	
61	
54	
33	
22	



Sensor values

Data retrieved

EEPROM address (byte) equivalent to minutes





Future components?

