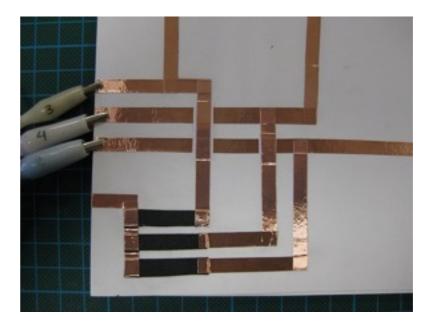


# Who?

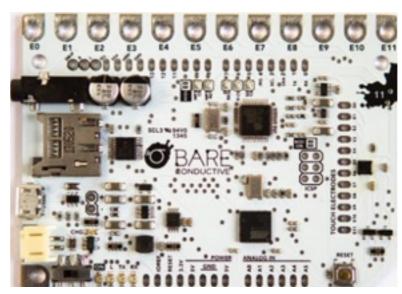


## What?





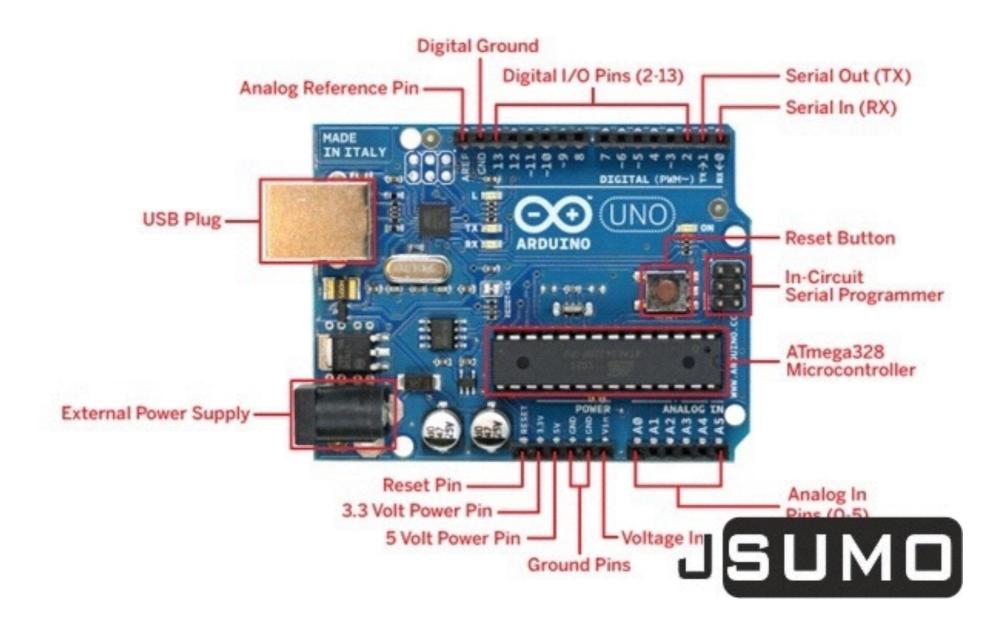




#### Plan

- Learn what Arduino is and do setup(15')
- Make groups and design your first chimes(60')
- How it works(15')
- Performance (15')

#### Arduino



#### Microcontroller

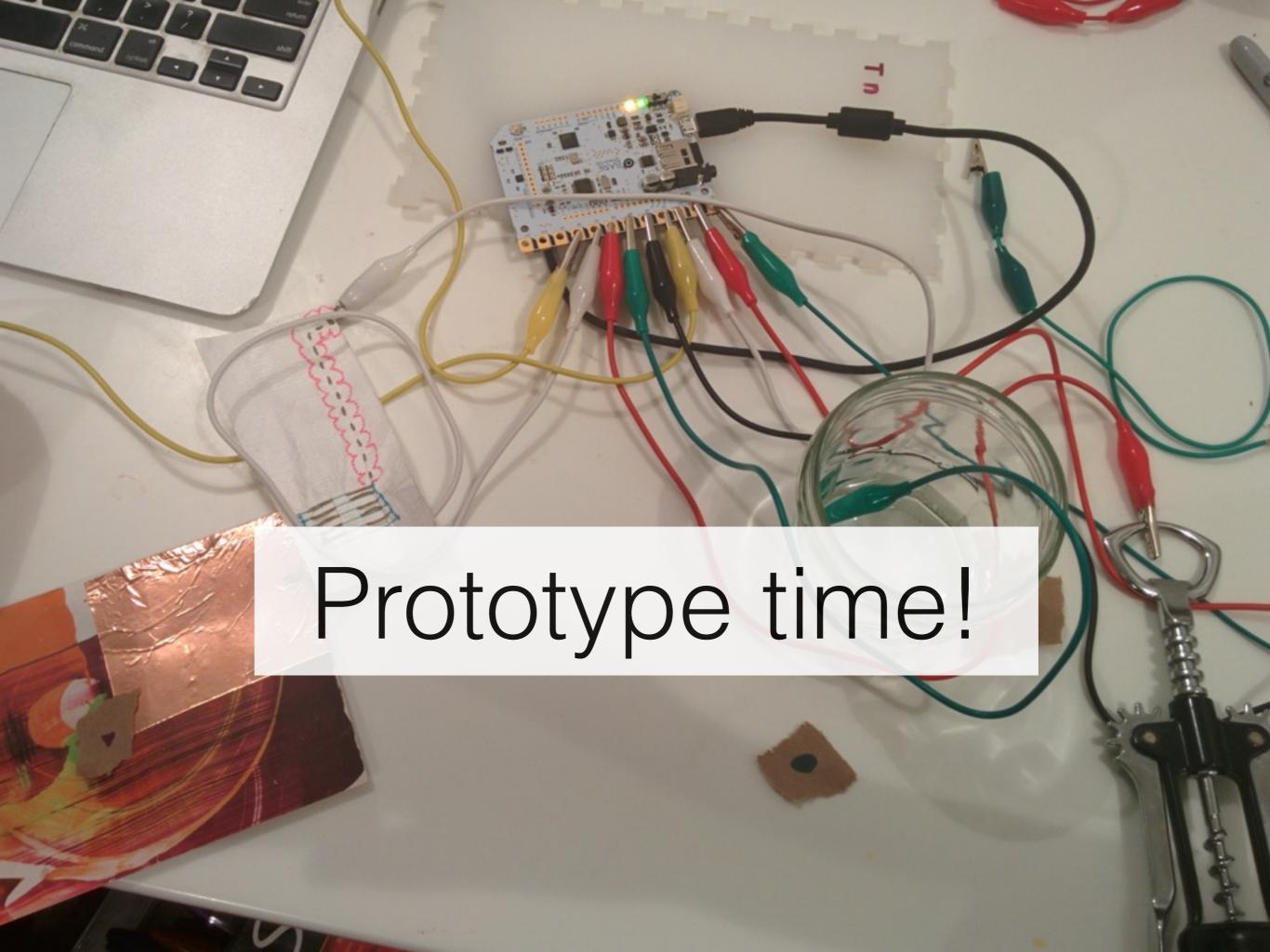
A microcontroller is a small computer on a single integrated circuit containing a processor core, memory, and programmable input/output peripherals.

## Examples Input

- Conductive tape
- Conductive thread
- Anything that conducts electricity

# Examples output

- Sound (buzzer)
- Light (Led)
- LCD (text)

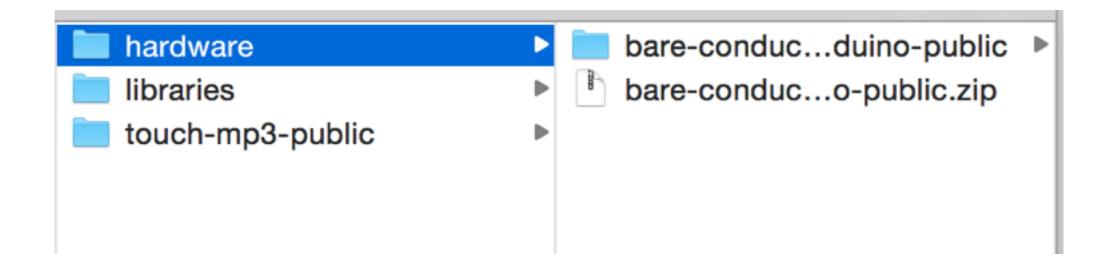


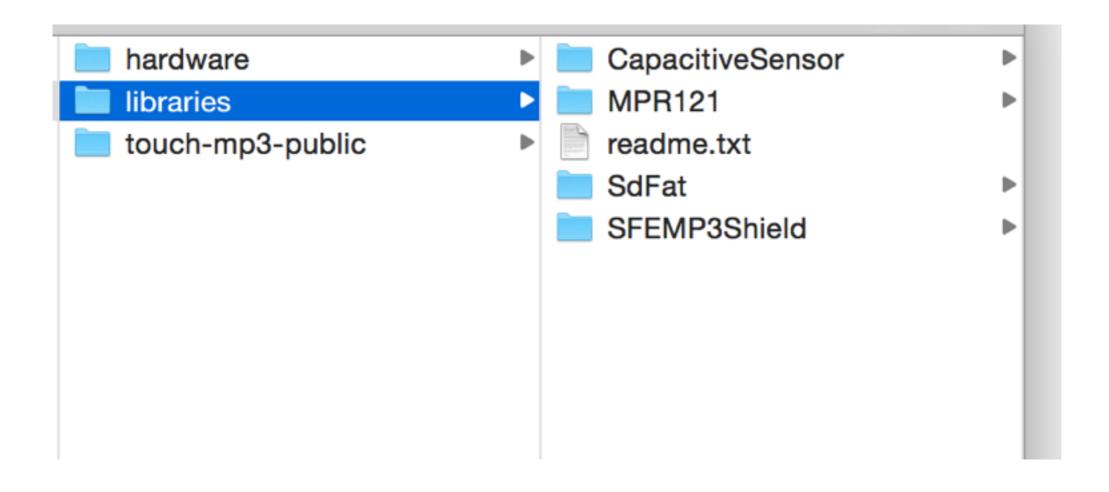
# Prototype time

- Let's make teams
- We show you demo of musical chimes
- Play & exploration time
- You design your own musical chimes

## Setup

- <u>www.bareconductive.com/make/setting-up-arduino-with-your-touch-board/</u>
- 1. Documents/Arduino/ make a hardware folder
- 2. Copy libraries inside Libraries folder
- 3. Download Touch mp3 example









```
Touch_MP3 Compiler_Errors.h
```

```
for (int i=0; i < 12; i++){ // Check which electrodes were pressed
if(MPR121.isNewTouch(i)){

  //pin i was just touched
  Serial.print("pin ");
  Serial.print(i);
  Serial.println(" was just touched");
  digitalWrite(LED_BUILTIN, HIGH);

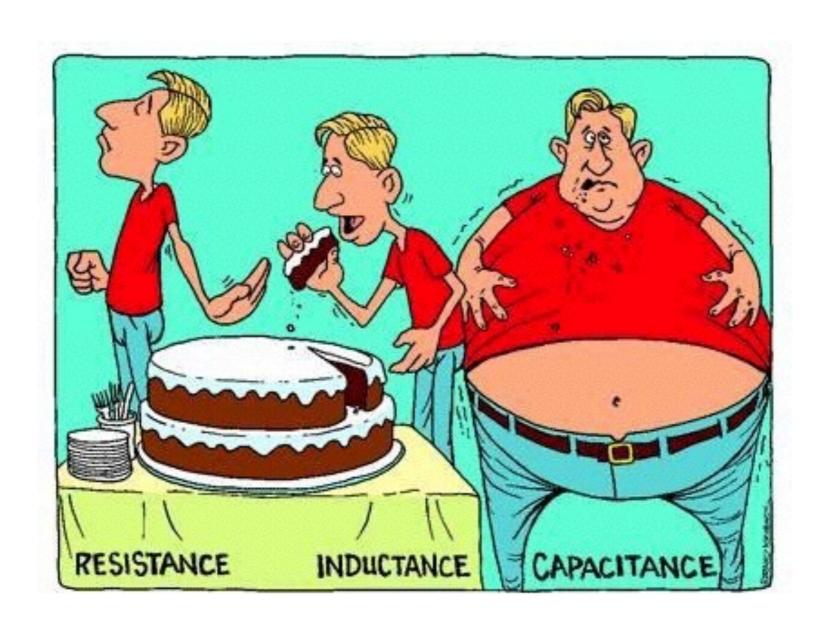
  if(i<=lastPin && i>=firstPin){
      if(MP2rlover isPlaying())}
```

#### Done uploading

bytes.

Global variables use 1,410 bytes (55%) of dynamic memory, leaving 1,150 bytes for local variables. Maximum is 2,560 bytes.

### How it works?



#### How it works?

Software <a href="http://bit.ly/1eBMZYz">http://bit.ly/1eBMZYz</a>

