WHO ARE YOU?

**What type of programming experience?**

Java  
Kotlin  
Swift  
Ionic  
Nativescript  
C++  
C

**What have you done with micro controllers, which ones have you used? (Like Arduino, ESP8266, Particle/Photon)**

Arduino – In combination with Smart textiles with Arduino nano and Arduino Bluetooth modul  
MSP432 – In class

**Which single board computers do you know/have you used (Raspberry Pi, Orange Pi, Beaglebone, Labrador)?**

Never used one

**– Who is a maker or part of a maker community? What do you like, would you like about it? How could it relate to this class?**

For my bachelor project I make a audiosystem with Smart Textiles, so I guess I belong to the Smart Textile community

**-What do you already know about IoT?**

Not that much actually

**-What are your expectations from this class?**

Programming with Raspberry Pi

**What is IOT**

The internet of things (IoT) is a computing concept that describes the idea of everyday physical objects being connected to the internet and being able to identify themselves to other devices. The term is closely identified with RFID as the method of communication, although it also may include other sensor technologies, wireless technologies or QR codes.

**Domains**

Healthcare Voices SystemUbiquitous ComputingWearables

**Famous Protocols**

Node  
AMQP

**Typical devices**

Amazon Echo  
Google Home  
Arduino Nano  
<https://atap.google.com/jacquard/>

**Benefits**

Everything Connected  
More Functions when connected  
Easier Communication  
Makes life easier (less work)

**Challenges**

Very Complex  
Very vulnerable  
Companies knows (too) much about the costumer  
Little space for errors

What we did

* Introduction of Professor Ulrich
* Learned what IOT was, what we should expect about this course
* Made some research about IOT
* Watched a short documentary about IOT
* Formed a group

Impression

It was a very chaotic first lecture and not the kind of lecture you would normally expect. I like the focus on researching and learning on yourself because I think that’s the best method for remembering all the stuff. With the chaotic nature of the lecture, it was hard to understand what we should hand in after the lecture but I’ll guess this will be more clear after the next few lectures.