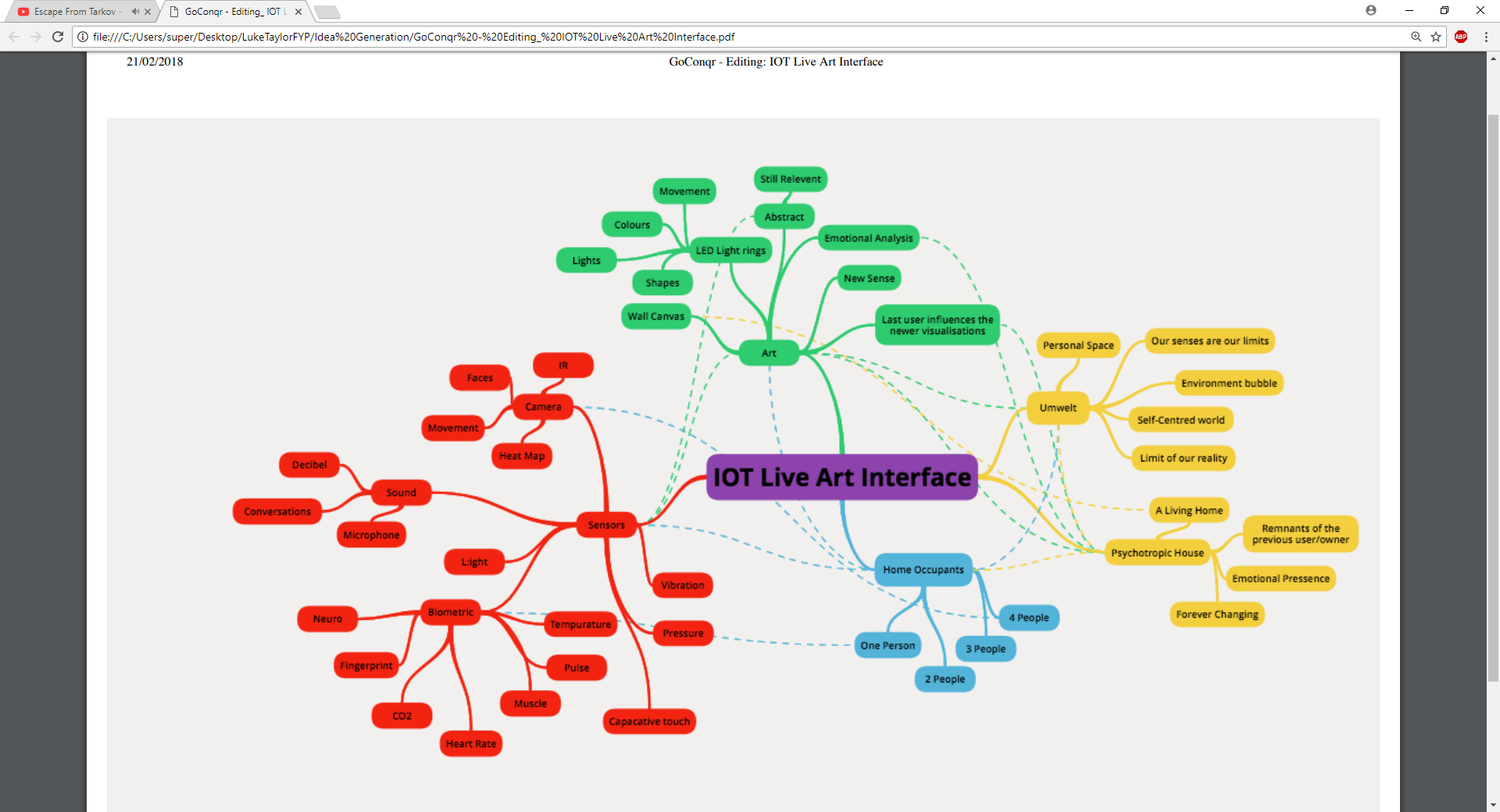
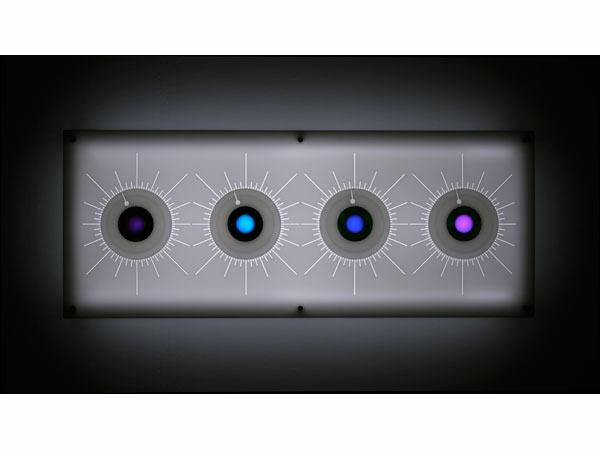
**2 Final ideas for development**

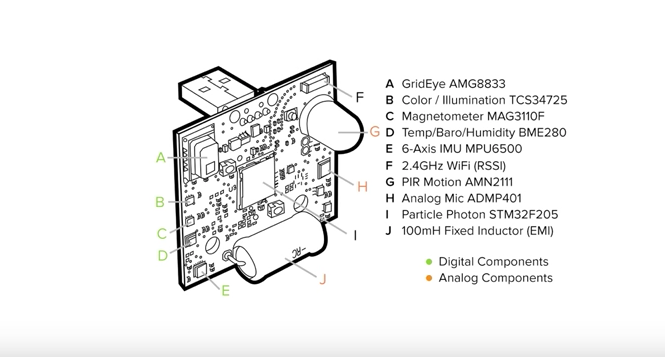
**IOT Psychotropic home art**An interface for the house related to the psychotropic house and the umwelt. A home art piece connected to the internet and influenced by the home occupants, either individually or as a collective. The art would be influenced by; sensors such as temperature, pulse, muscle, co2, fingerprint or neuro sensors worn by the occupants. Other sensing techniques could be pressure, capacitive touch, vibration, sound or camera. One of the key ideas behind the psychotropic house is that the previous occupant will be left behind and remain a part of the house for a long time until they are eventually overwritten, this might be interesting to incorporate into the artwork.



The art needs to express the data taken from the home occupants. I feel this may be better done in a more abstract way, so the user can make what they want out of the data instead of giving it obvious hard pre-sets. This will also allow for some inaccuracy in the data. I think as part of the theme is psychotropic the artwork could be based on an emotional analysis, or because the umwelt is also an inspiration it could be an enabler for a new sense to improve our umwelt. The art could be different for each person looking at it (facial recognition or similar).  
  
Some other inspirational projects below;

James Auger – Happylife (http://www.auger-loizeau.com/projects/happylife)  
  
Happylife is an emergent real-time dynamic passive profiling art piece applied to mediate and display human emotive states within the family home. This piece looks at using thermal image cameras to take an image of someone and a computer programme then analyses changes to the live image during a period of questioning, looking for patterns of thermal flow. The speculation begins by imagining how these advanced sensing technologies and computer algorithms might be deployed in a family home. The system employs facial recognition software to differentiate between family members. Each personal dial has two pointers; one showing the current state taken from the most recent thermal image capture and one showing the predicted state where the system would expect the dial to be based on the processing of accumulated statistical data.  
  
Victoria Hammel – smart (http://gunes-kantaroglu.com/smart-1/)

smART is a project to help people Relate to their personal data through a dynamic art installation that changes based on your consumption of resources at home. It tracks consumption of water and heating in the home. The blue and red coloured layers representing water and heating fade out when the user exceeds sustainability guidelines for consumption, leading the art piece to lose contrast, thus losing the painting in the background.  
  
Gierad Laput - Super Sensor (http://www.gierad.com/projects/supersensor/)

a project to make a general purpose super sensor. The sensor is plugged into either USB or a plug socket and it can make any room into a smart room, which relays and records data such as resource consumption, appliance usage, lights, occupancy etc. A great IOT device.

**Umwelt Peripheral extensions**An IOT based wearable inspired by the Umwelt. The Umwelt is a German word for “environment” or “surroundings” and is formed from the biological study of communication and signification in humans and animals. The phrase often translates to “self-centred world” and is used to describe the fact that every human and animal throughout the animal kingdom will pick up on different environmental signals within the same eco-system. What’s most interesting about this is that we cannot get past our own umwelt that we have been set in since day one and we accept that this is the limit of our reality and that there is nothing more for us. However, these other signals are out there and available to us we just can’t access them with the sensors we are equipped with. With the use of the IOT and modern sensor technology I would like to build a wearable peripheral device that will expand our Umwelt and change the way we live as humans. This is something that’s started a long time ago, devices such as hearing aids and eye implants are an early Implementation of this technology and these is known as sensory substitution devices and is great as an aid for people who have had a part of their umwelt missing or taken from them such as deaf or blind people. For this project I am interested in giving people a new and different sense in order to expand the umwelt.

Movie Lucy

**Inbetweener**Smart home device that can look at resource consumption of certain elements within the home for example; electricity with lights, water, heating etc. This usage can then be represented as an art piece somewhere within the main room of the home. This would work well as all smart home meters are trackers rely too heavily on using precise numbers and graphs that the general user does not care for much as this can be boring, a slightly more abstract method may be more interesting for people and easier to understand. It would fit into psychotropic as the artwork is an interface for human input within the house based on what resources they are using; the art is dictated by the house therefore as if its alive and can feel.