The Hardware Product Canvas

Designed for: **Nest** Designed by: **Upverter** On: **2/10/2013**
Iteration: **1.0**

Sensors

What environmental conditions does the product Sense?
What physical forces does the product Sense?
Does the product turn off if it gets too hot?
Does the product turn on if you are near by?

Temperature
Light
Motion
Acceleration
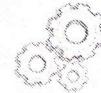Position

Temperature sensor

Wifi

Communications

How does the product Communicate with other hardware?
What protocols does the product support?
How do you get data on-to or off-of the product?
Can you control the product remotely?

Wifi
Bluetooth
Infrared
USB
2-Wire Serial

Processing **Microcontroller**

How does the product connect Communication, Sensors, Storage and UI?
How smart does the product need to be?
How fast or responsive does the product need to be?
Does the product need to Process data?

Micro-controller
FPGA
CPLD

User Interfaces

How do Users interact with the product?
Can Users turn the product off or on?
Can Users enter or change settings?
How do Users check the status of the product?

LEDs
LCD Display
Switch
Button
Dial

OLED
Dial (outer ring)
Button

Storage

How does the product Store settings?
How does the product Store data?
What happens when the batteries die or it gets unplugged?
Should the product remember anything?

Flash Memory
EEPROM
SmartCard