PROTOTYPE
PRESENTATION

Team Point and Ask

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RECAP - THE DEVICE

- Device to ask for information about objects
- Main target users group curious kids

RECAP- Challenges

- How do we recognize objects?

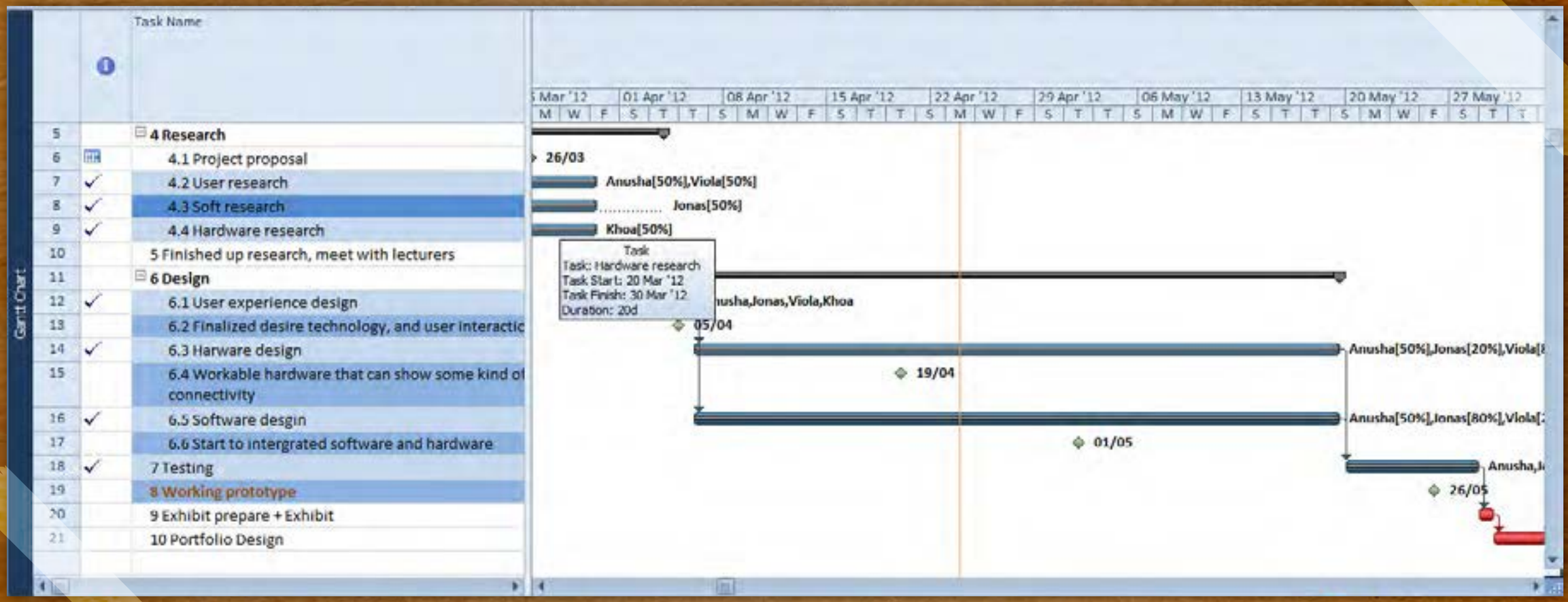
- How do we combine all needed hardware?

- Designing for kids…

Early prototype illustration

Overall progress

Who did what and when?



User research

Likes

- Useful to kids
- Convenient
- Language & Communication Environment

Improvements

- Various Function support (tell stories, play music, weather...)
- Multi – Language
- Shape and Size

User interaction

Potential problems

Knowing when device is ready

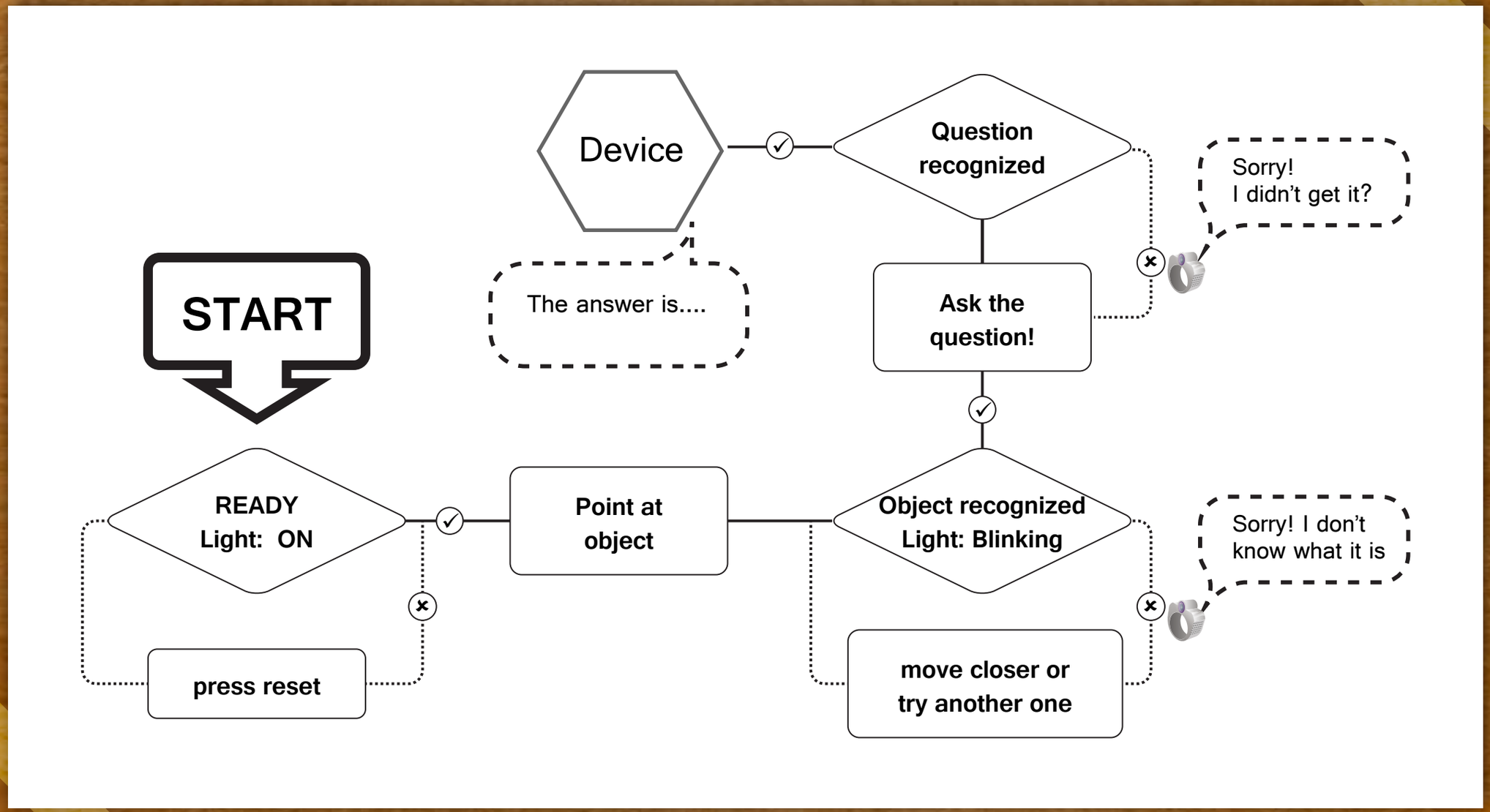
Knowing when RFID is present

Not interrupting the device.

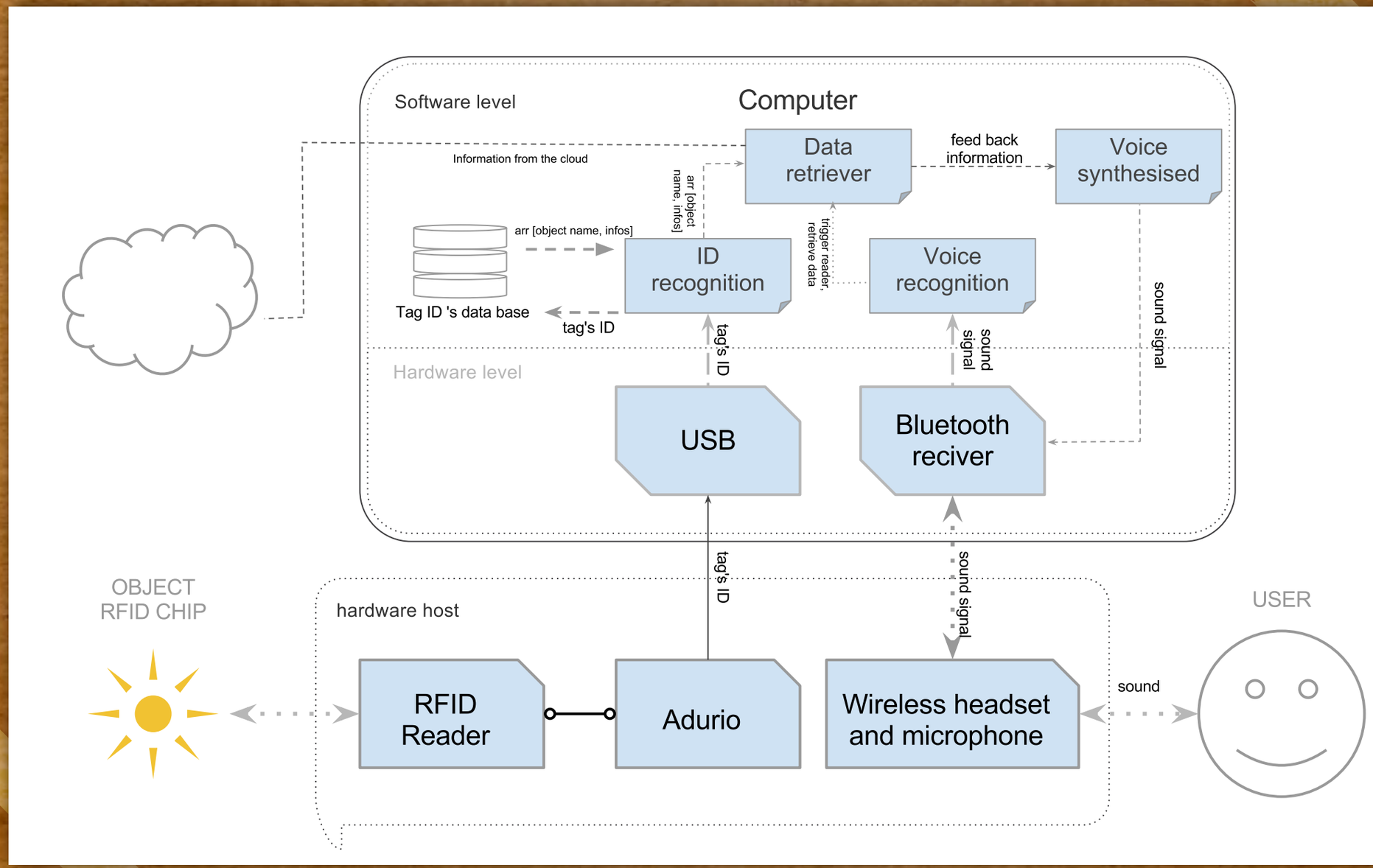
Display system state visually

User interaction

How will our device be used



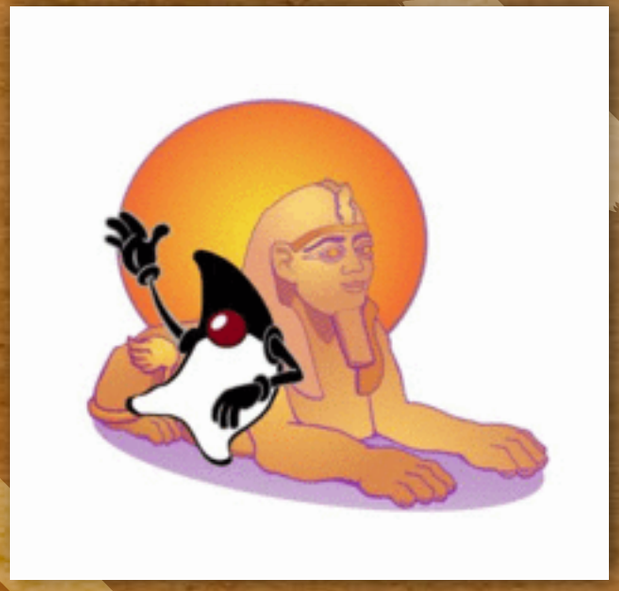
Software & hardware architecture



Software

Voice recognition

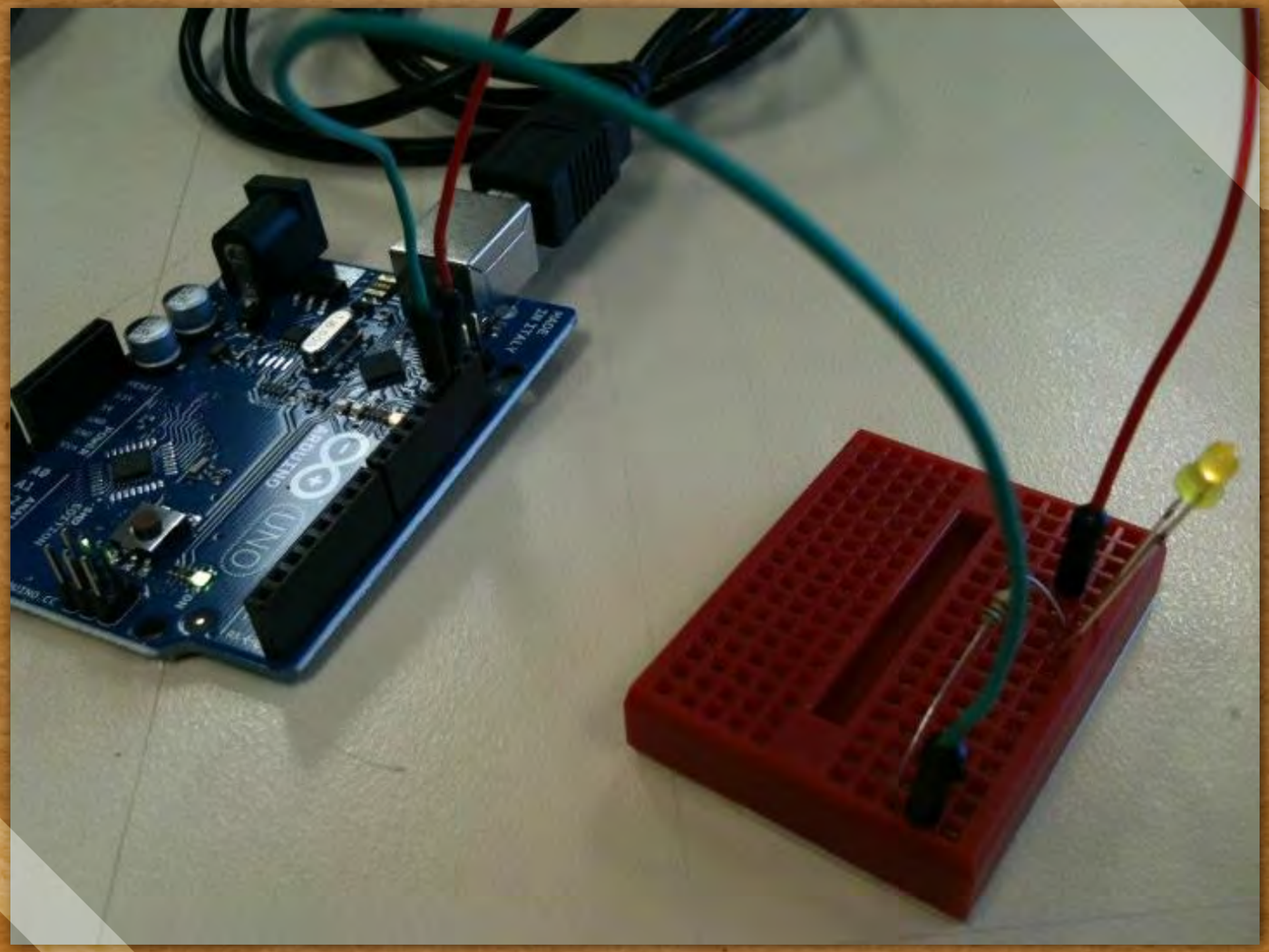
- Sphinx4



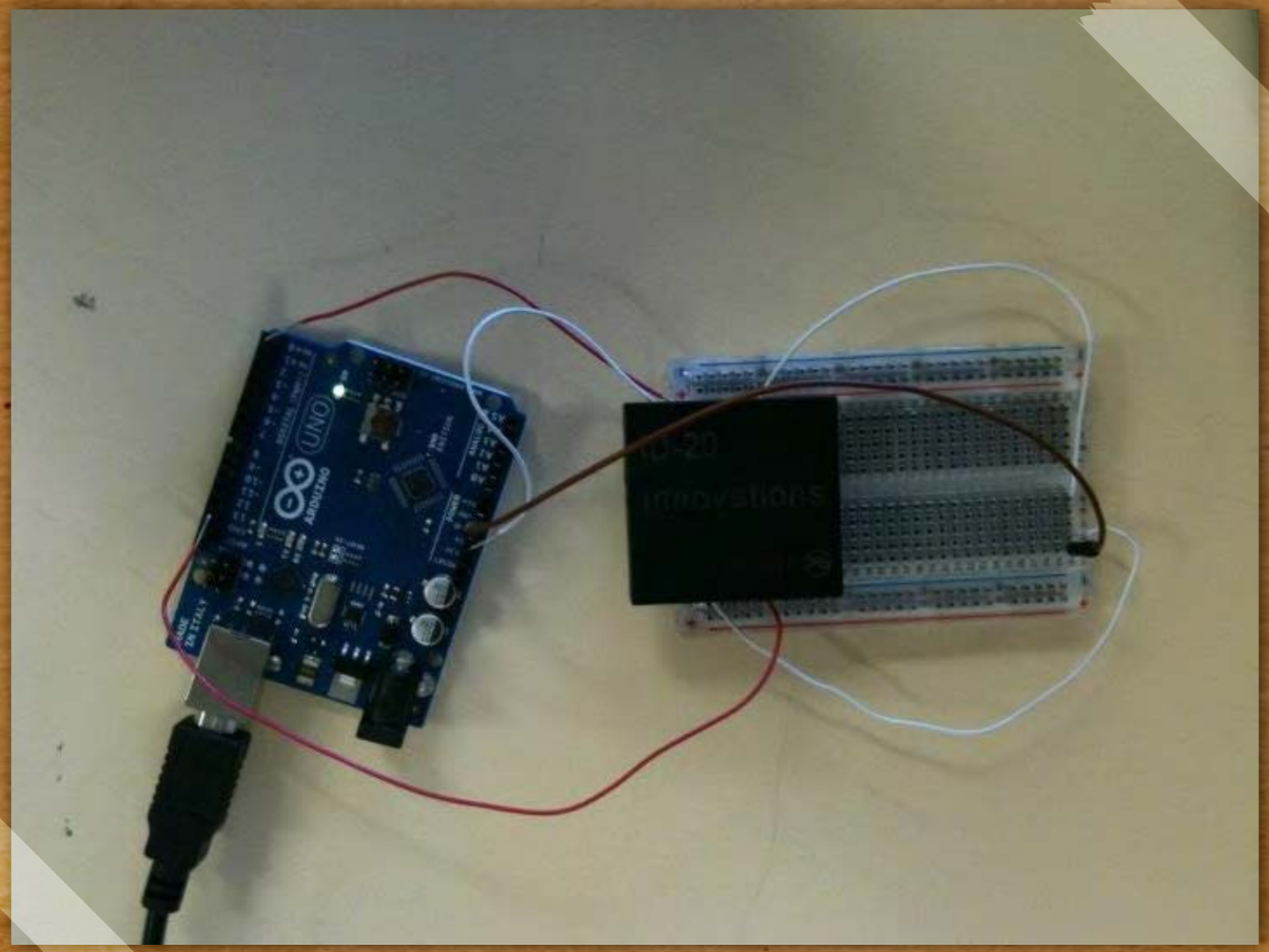
Voice synthesizer

- Freetts

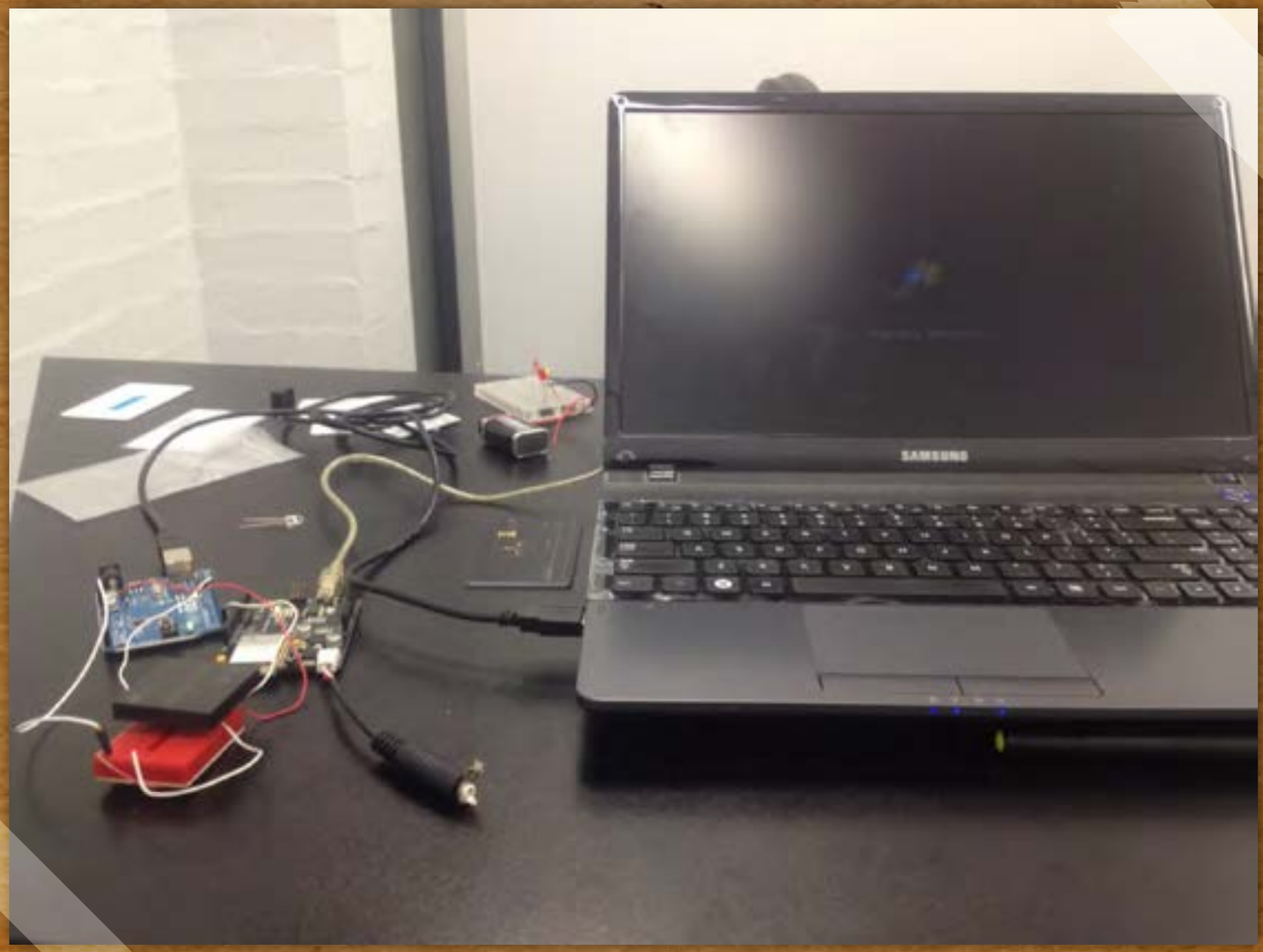
Hardware



Hardware



Hardware



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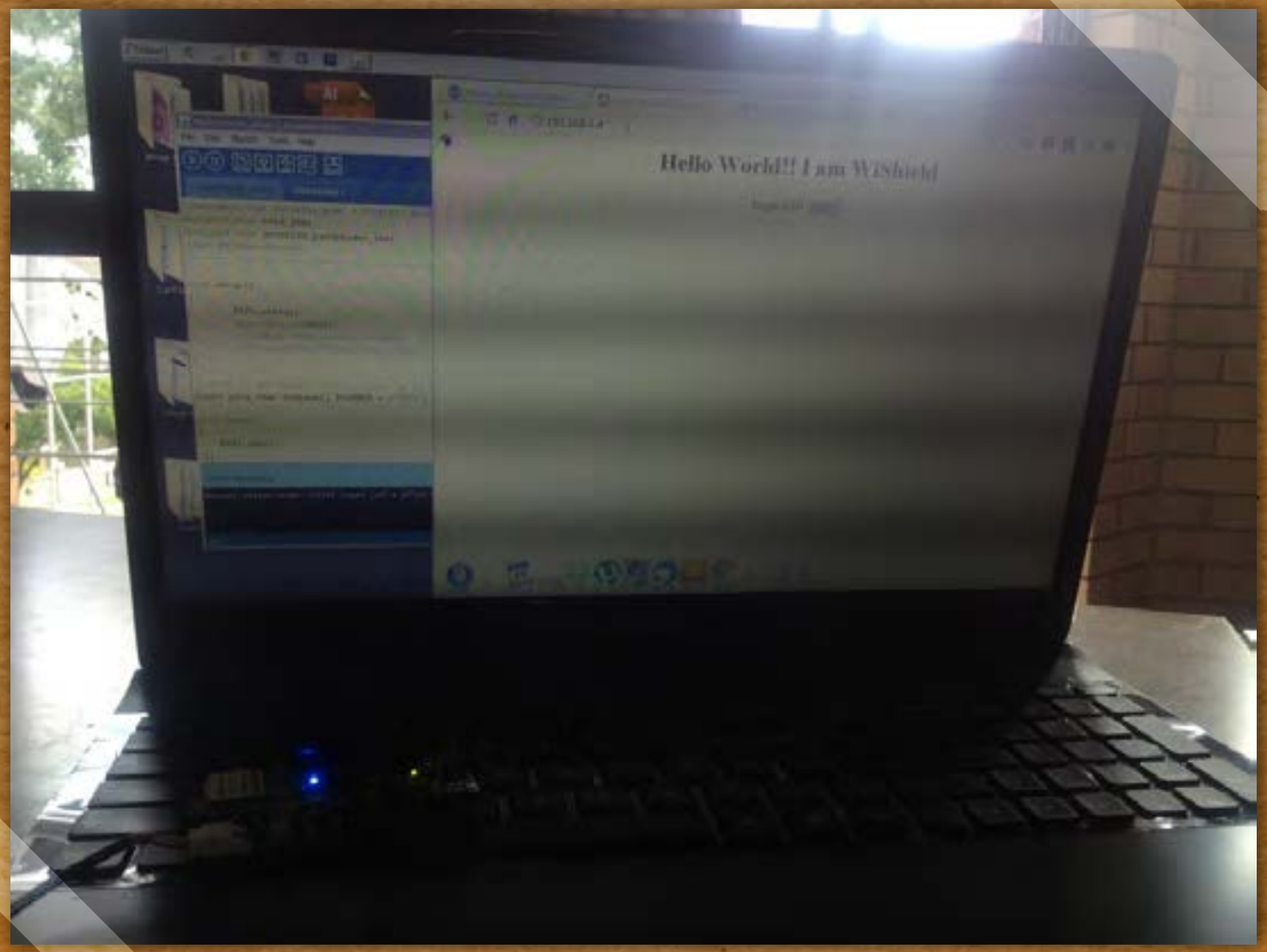

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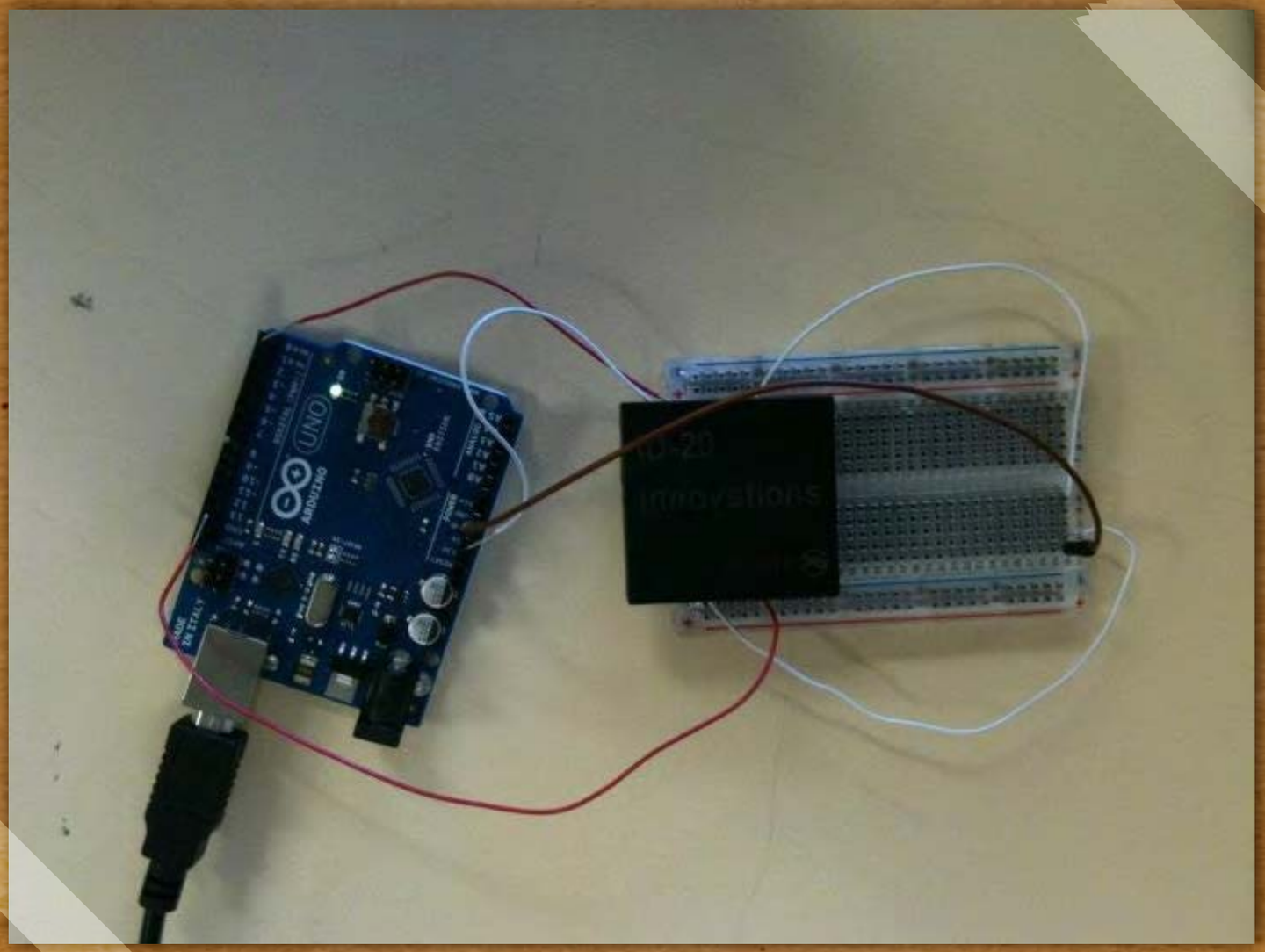
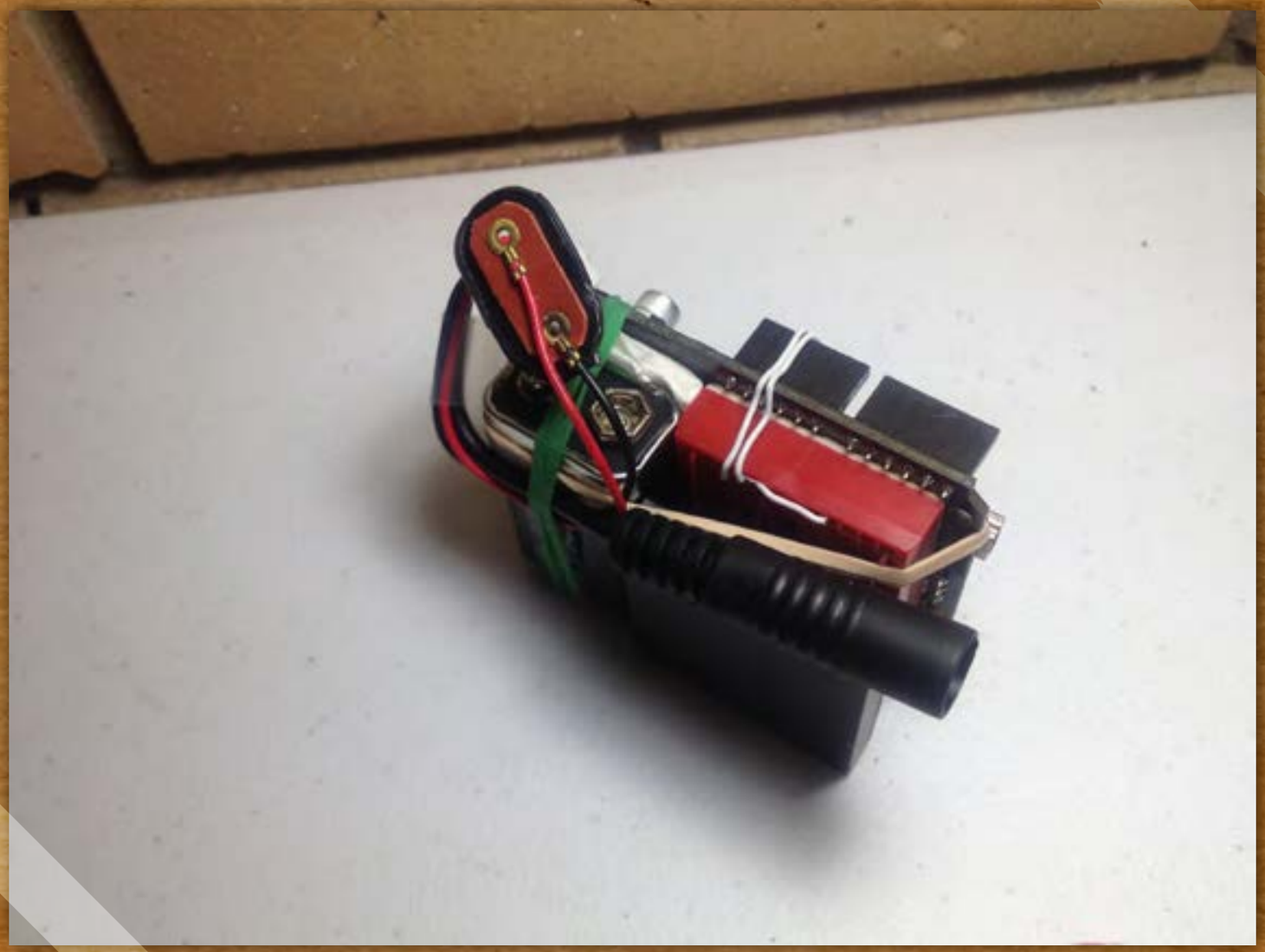


Hardware



Evolution of device

Evolution of device

Evolution of device

Evolution of device

Evolution of device

Similar projects

Reading glove
http://www.youtube.com/watch?v=xUiBgPgvTNU

RFID glove Siemens,
http://www.youtube.com/watch?v=B5WHOg2Qn2w

SIRI

6th sense technology

Google Googles

VOCRE (Voice Recognition Translation App)

How different we are?

Targeting kids

Combination of

- Natural interaction (asking questions in natural language)
- Mobility (wifi)
- Fun to use (Presented as a toy)

SIMPLE

MOBILE

FUN

What's next?

- Deciding for a toy container
- User testing
- Improving software/hardware

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Deciding for a toy container

User testing

Improving software/hardware

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Deciding for a toy container

User testing

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Success criteria

- **Users can use the device to retrieve information from more than 20 different objects**
- **Kids understand how to use the device**
- **Users* find the device entertaining to use**
- **Using SMART* to define our success criteria**

THANK YOU

QUESTION?