

Coursework Workshop

II: Prototyping



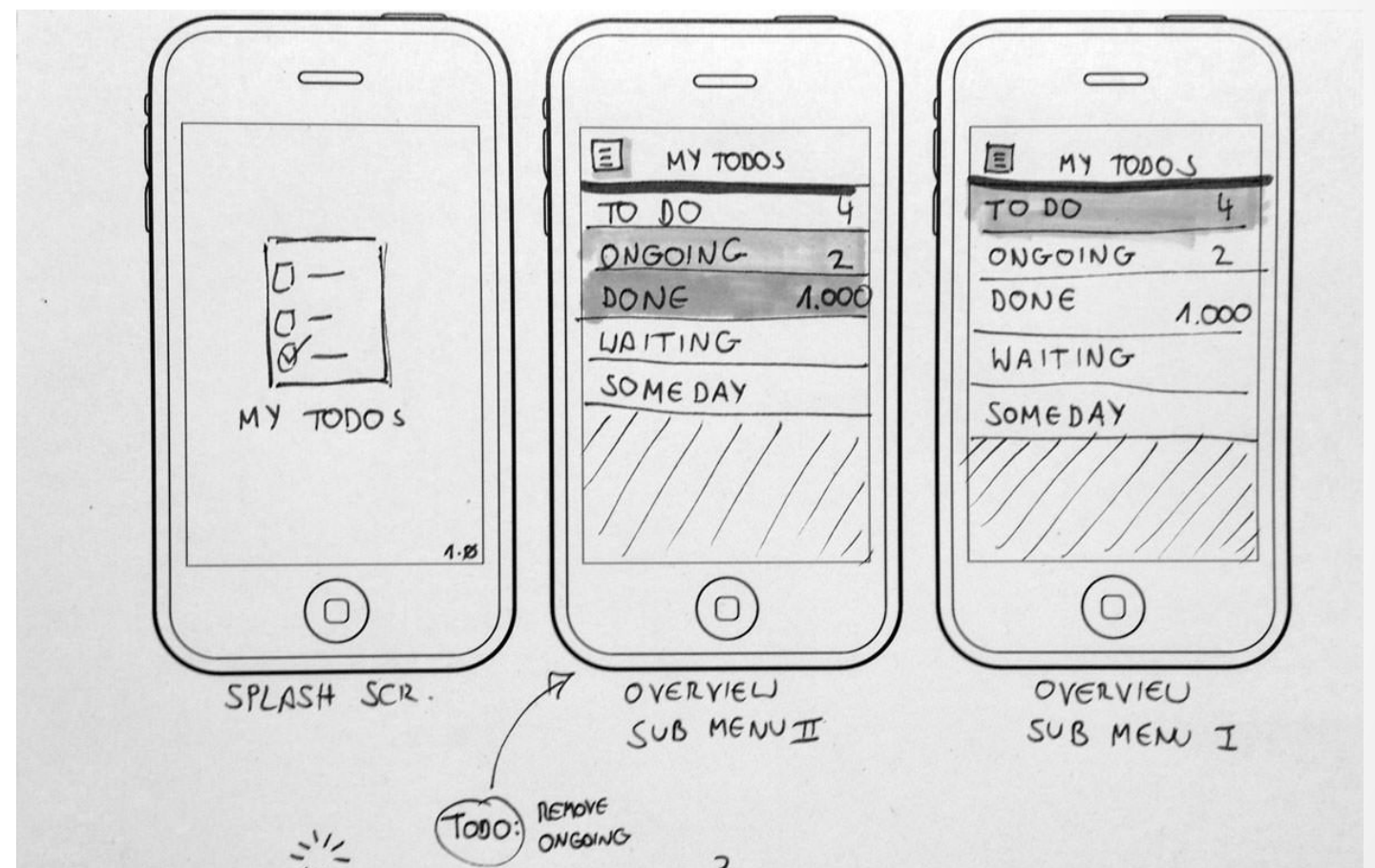
Osian, Anna & Gavin

Thinking About Your Design

- What is the problem you are solving?
- Where will it be used?
- What inputs will it have?
- What output will it have?
- How much detail does it give?
- How does the system respond if the user makes a mistake?

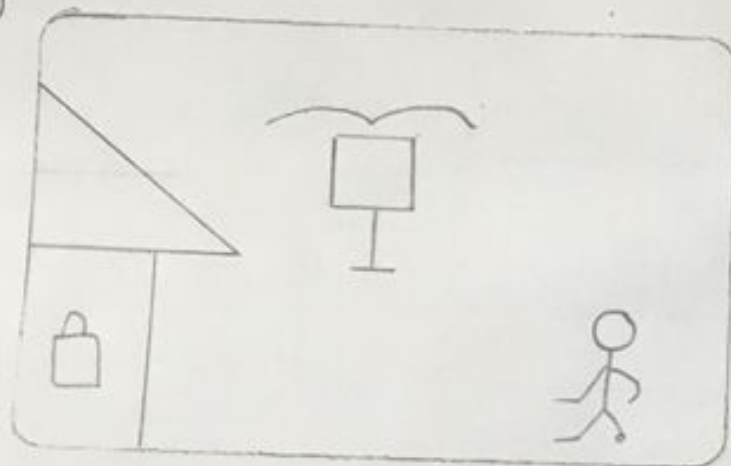
Paper-Based Sketch

- To communicate ideas
- As early usability testing technique
- Cheap and Fast!

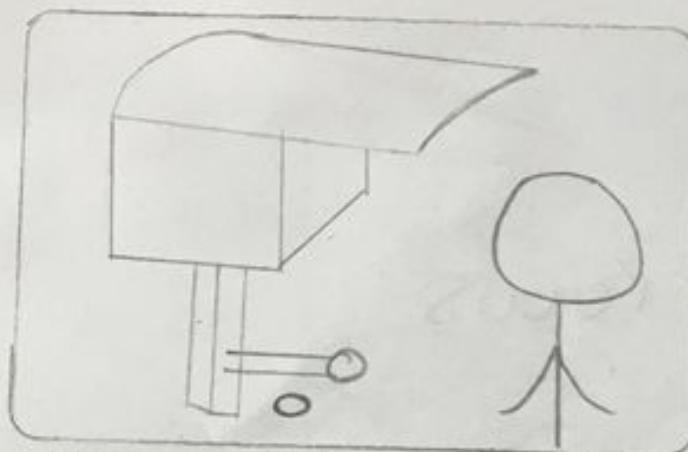


Example

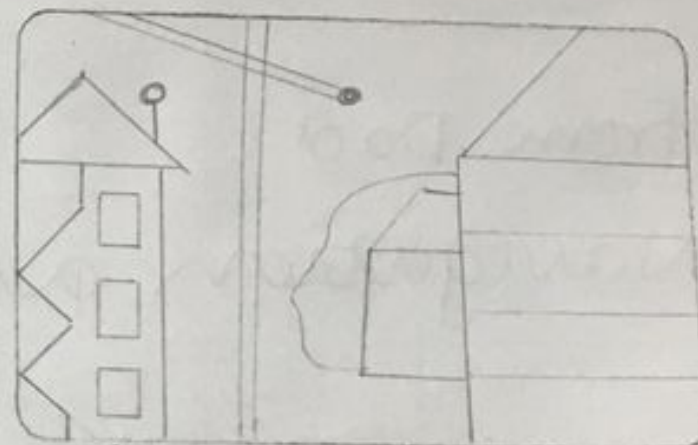
①



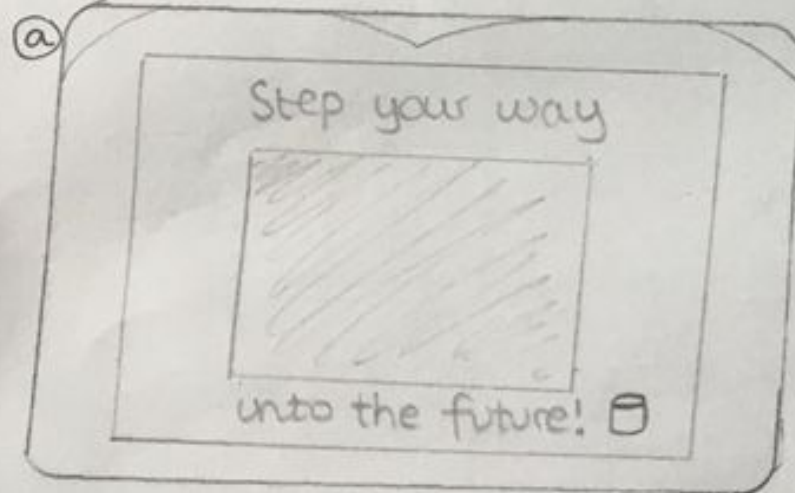
User walking past the interaction towards the Iceland.



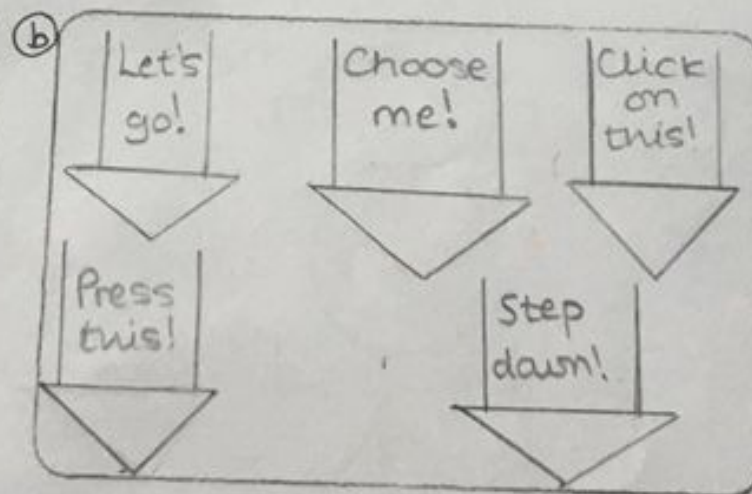
User walks up to the installation to begin an interaction.



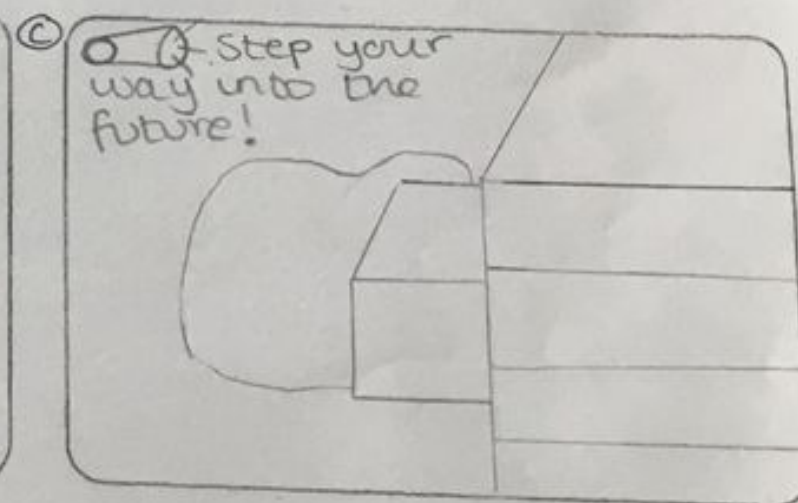
The users forward first view through the camera.



User sees the explanation for the button with a pictogram of the button.



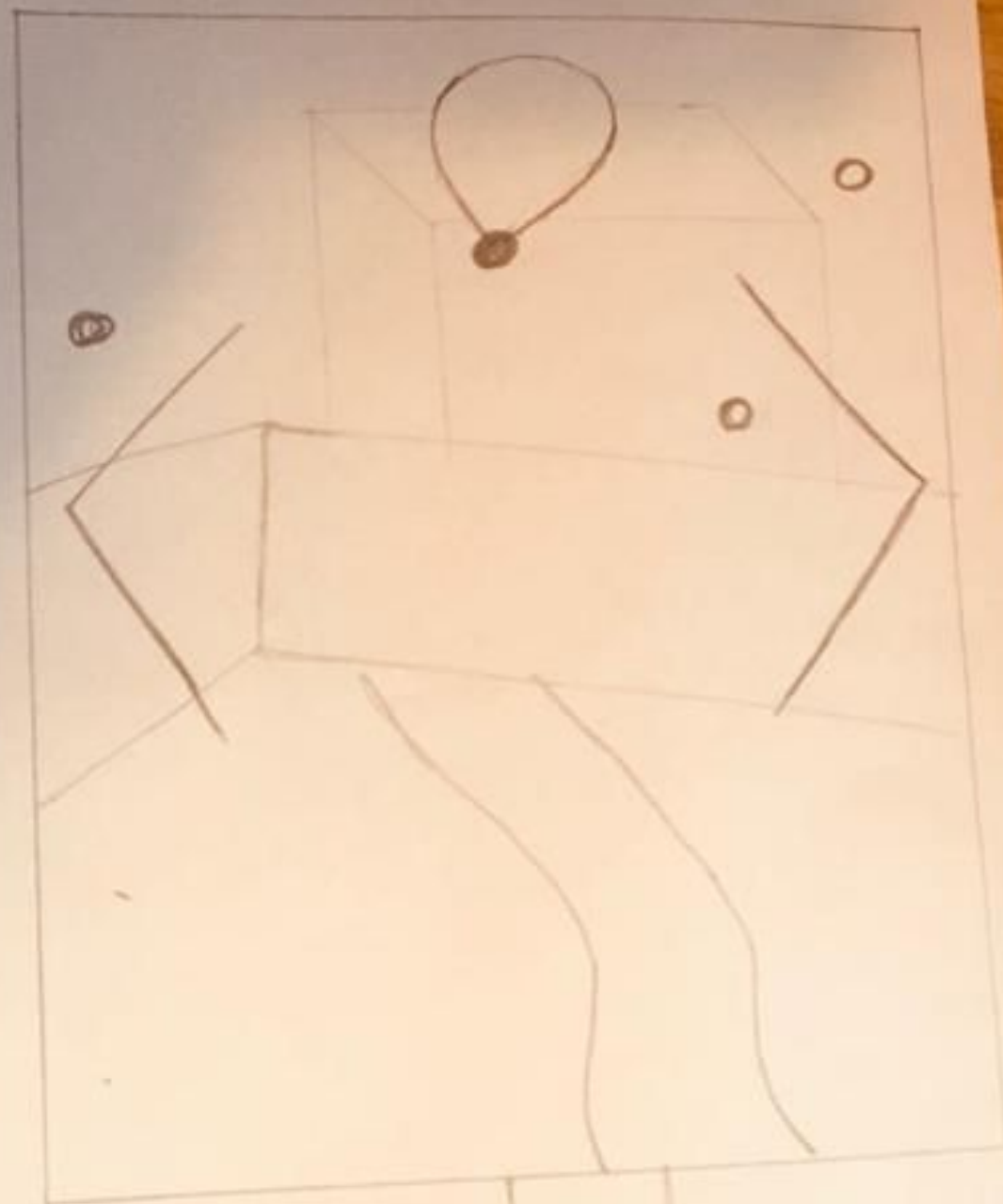
The arrows above each selection tell the user to click



When the user is on the main screen it announces to use the button

WELCOME

Would you like to see
yourself in the future?



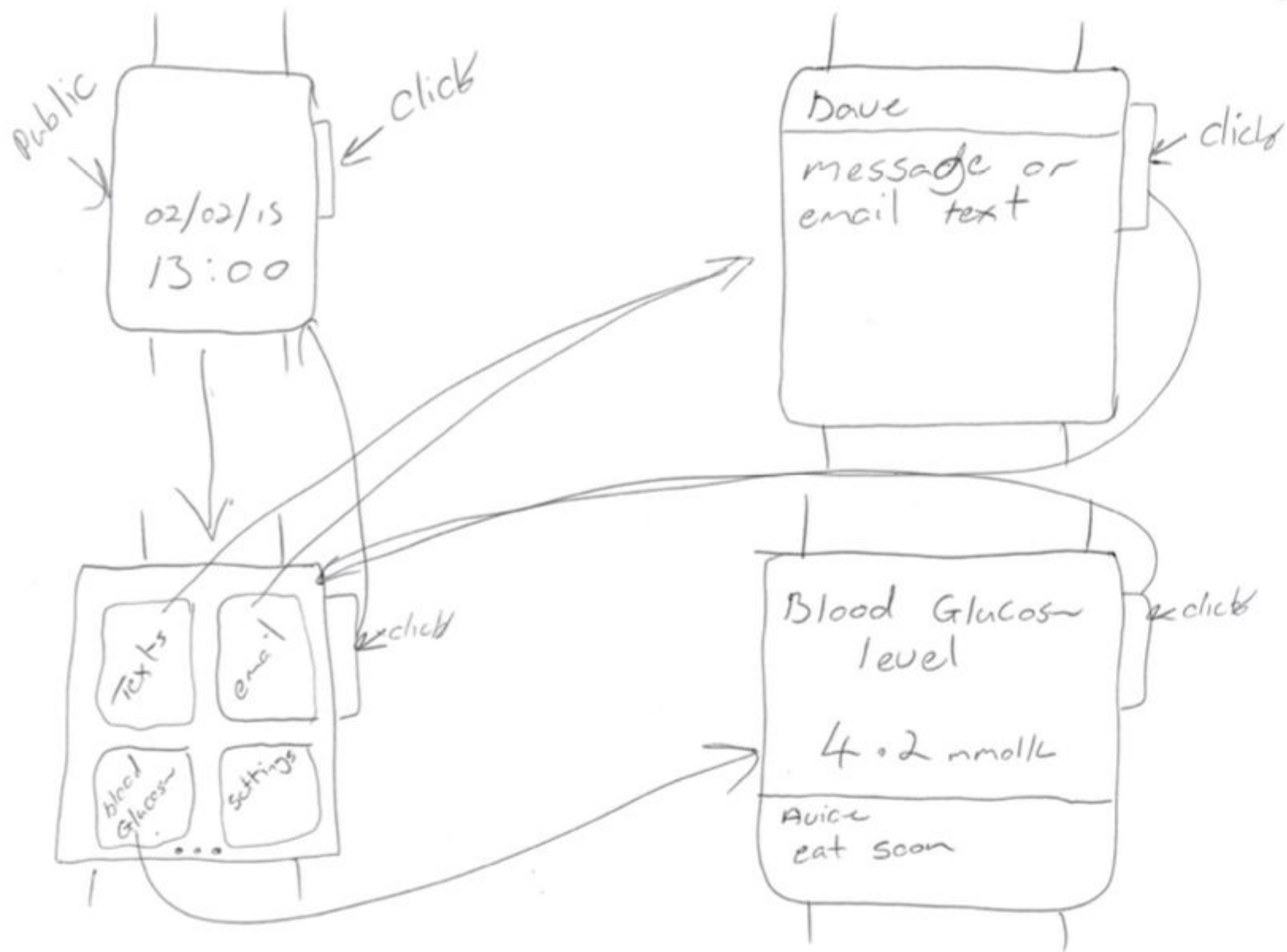
Low-Fidelity Prototype

- To communicate ideas
- As early usability testing technique
- Cheap and Fast!



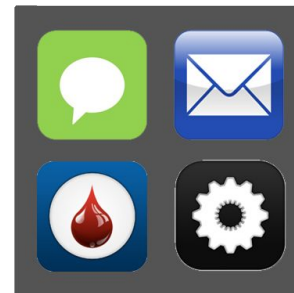
Example

Private mode





02/02/15
13:00



LOW
Blood Glucose
Level
2.0 mmol/L
Call emergency
services
Emergency Contact

Text Message:
Dave
02/02/15
13:00

Dave
**Message or
email text**

Jane Doe
07123456789

Tweet:
@Dave
02/02/15
13:00

Blood Glucose
Level
4.2 mmol/L
Advice:
Eat Soon

Demo

Blood Glucose
Level
4.2 mmol/L

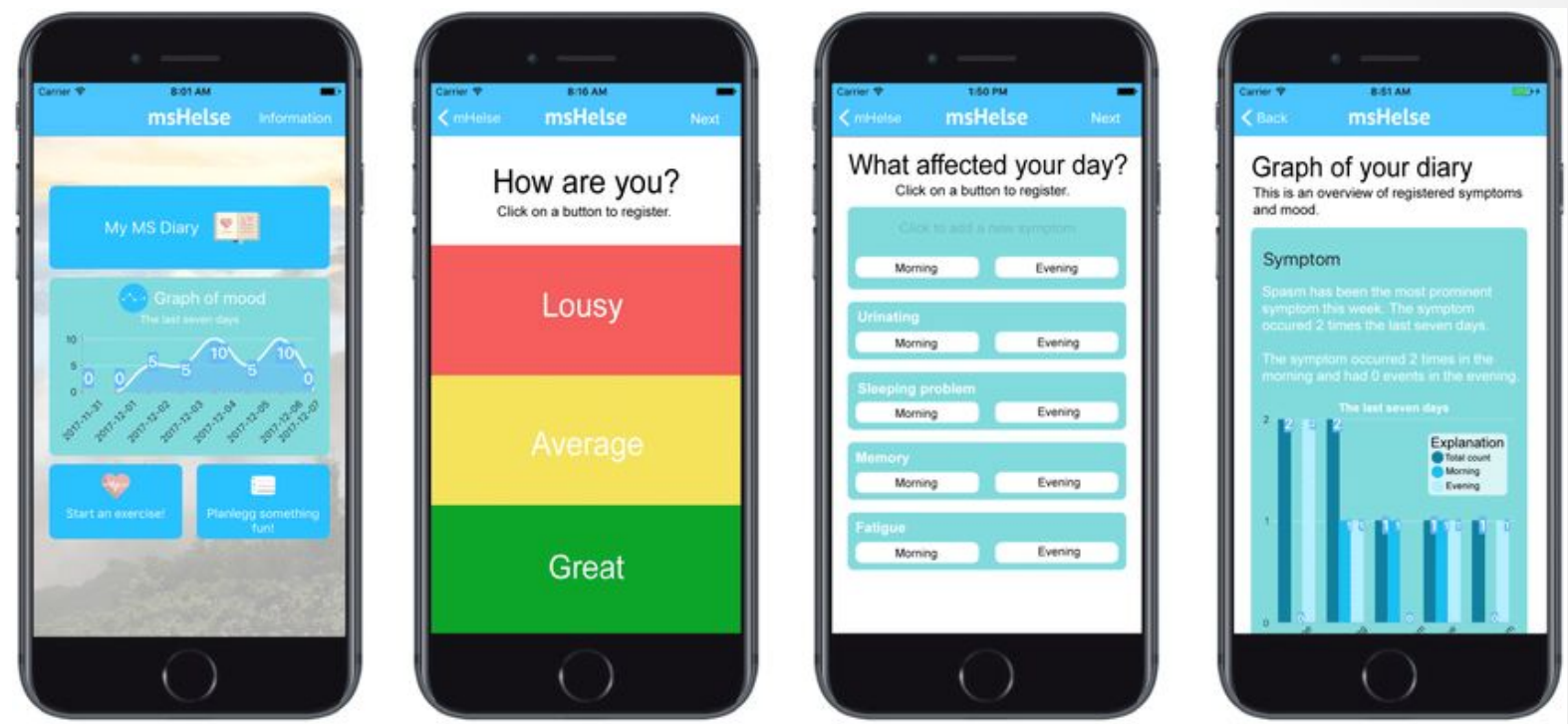
Advice:
Eat Soon

02/02/15
13:00

Text Message:
Dave
02/02/15
13:00

High-Fidelity Prototype

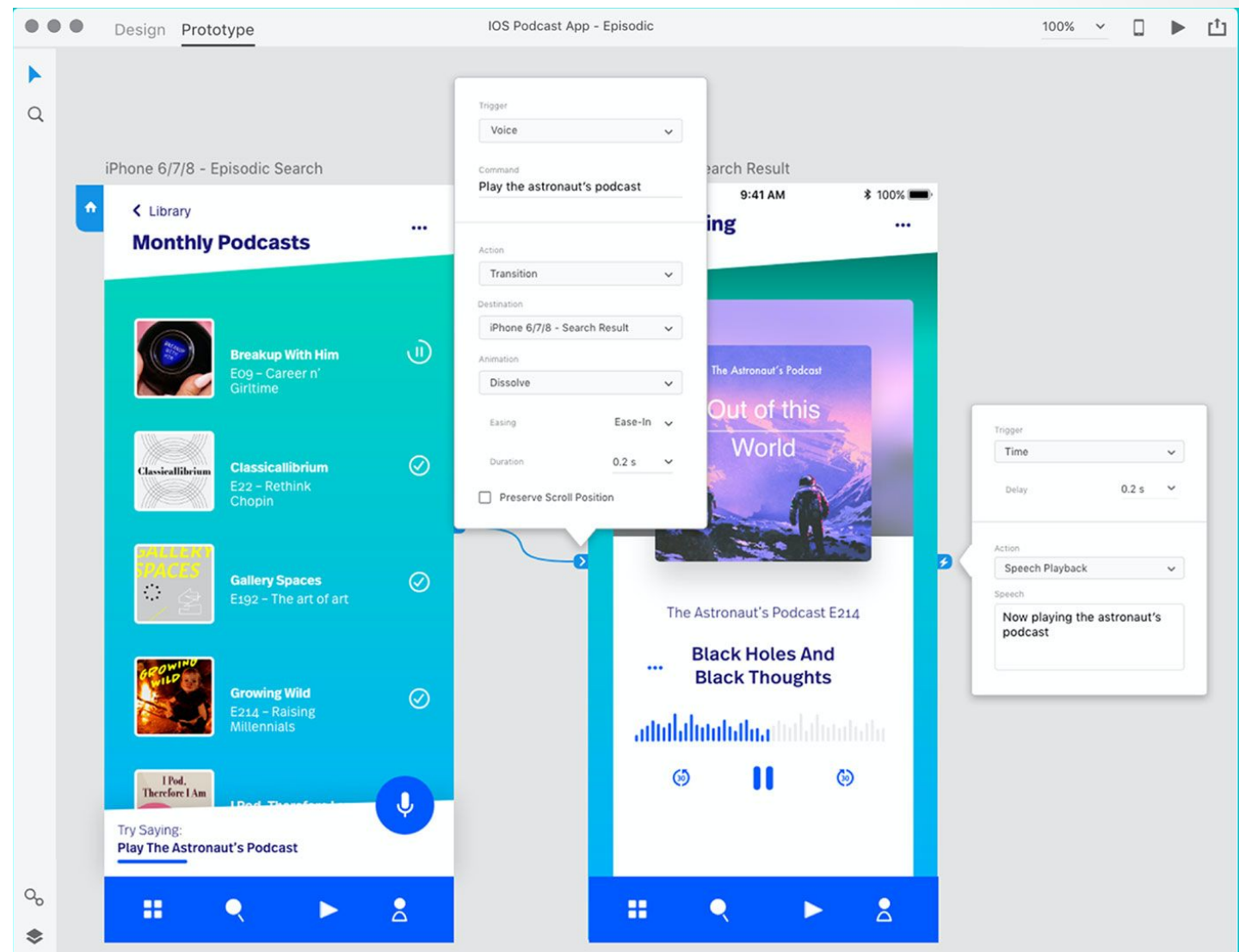
- Closer to final design
- As early usability testing technique
- Interactive



NOT NEEDED FOR COURSEWORK

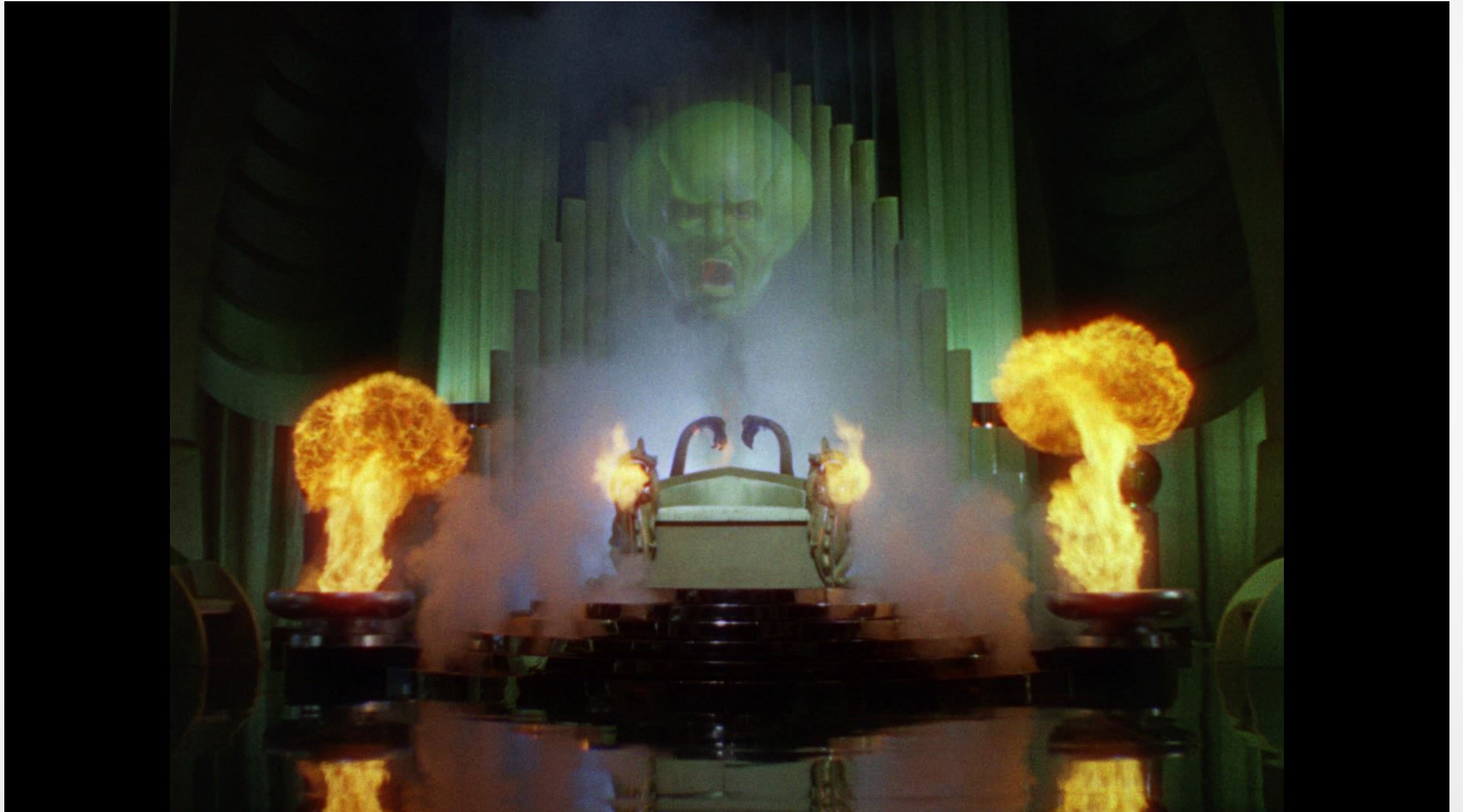
High-Fidelity Prototype

- Adobe XD (Free)
- Companion app
- Even though it is not required for the coursework, it is good to get the “feel” of your design



NOT NEEDED FOR COURSEWORK

Wizard of Oz Prototype



Wizard of Oz Prototype



Wizard of Oz Prototype

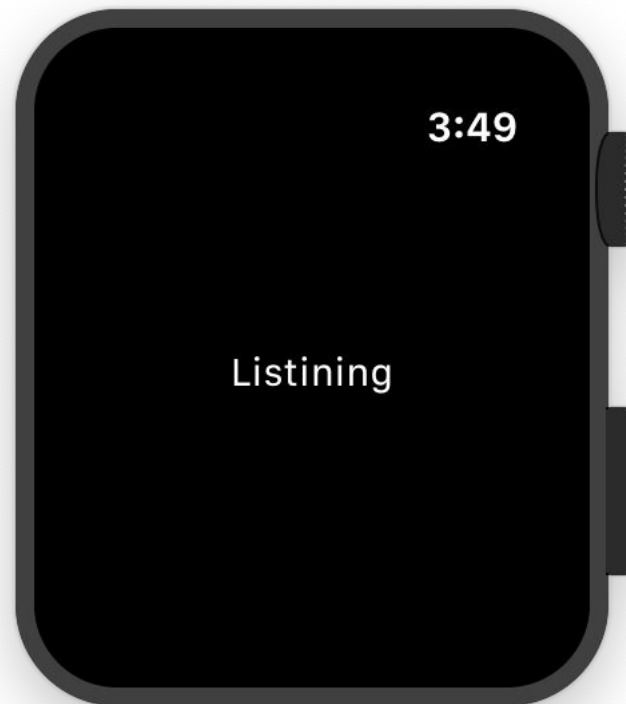
- Can demo functions of the final prototype without coding them
- Can get the prototype in to the hands of the users early in the development phase
- This saves you time and money
- Think about how you can do this for you prototype

Example



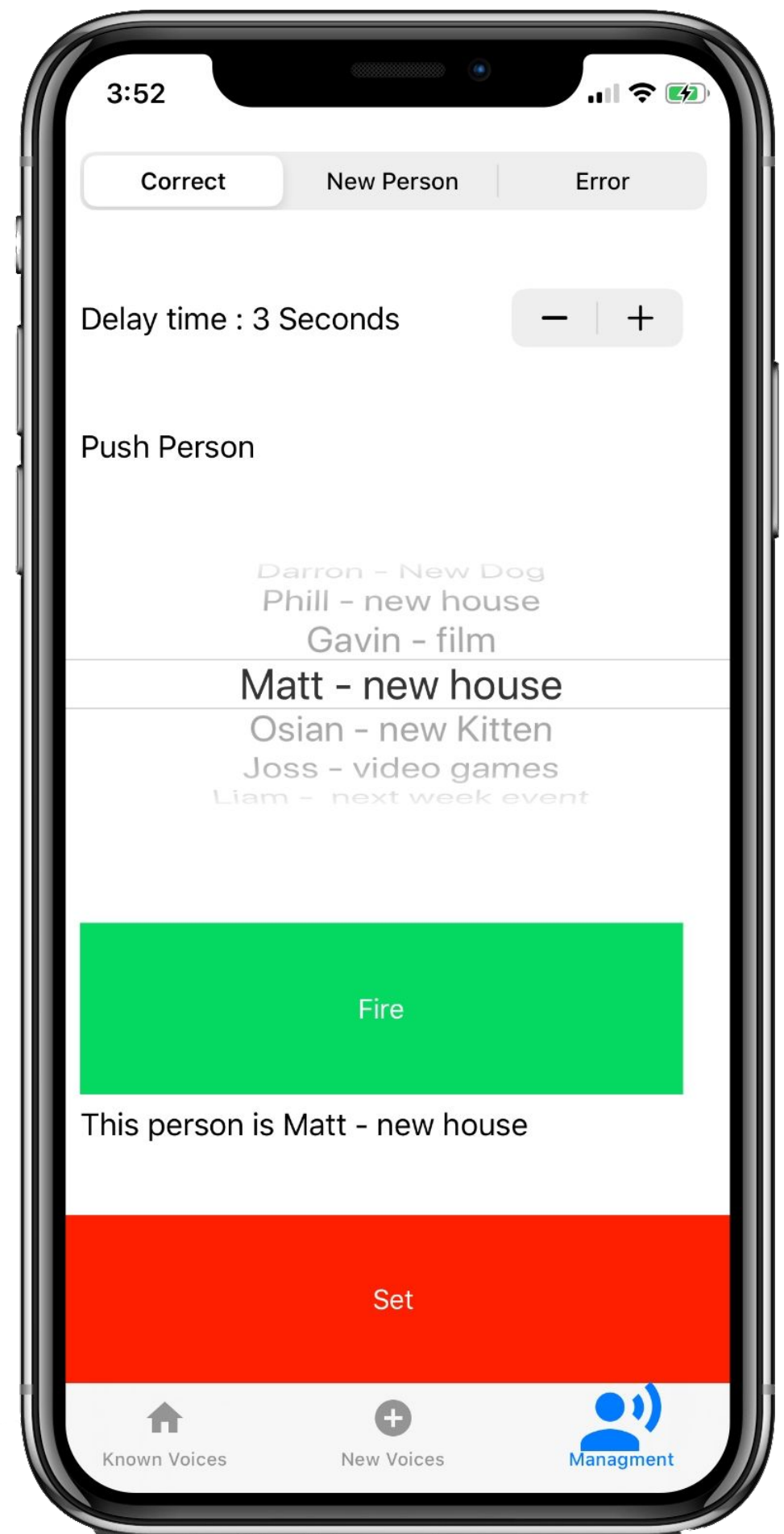


What the participant sees



What researchers see

- Researcher pushes “fire” as soon as actor speaks
- Sets if the participant sees a name, error code or new person
- Sets delay from pushing fire
- Not a tidy UI, however works as intended and took 4 hours for phone app and watch app for WOZ



Demo

NOT Wizard of Oz

Videos



Wizard of Oz Prototyping Technique

emre özbay

YouTube - 4 Nov 2016



Wizard Of Oz Prototype Walkthrough - Self- Service Checkout Kiosk

thesmallone29

YouTube - 7 Oct 2011



Gui Programing- Wizard of Oz Prototyping Example

RÜZGAR ÜREN

YouTube - 16 Nov 2018



NOT Wizard of Oz



Any Questions?

Bonus

The Mother of All Demos

[https://en.wikipedia.org/wiki/
The_Mother_of_All_Demos](https://en.wikipedia.org/wiki/The_Mother_of_All_Demos)

The most famous wizard of OZ study