



Home

Photo

Diary

Contact

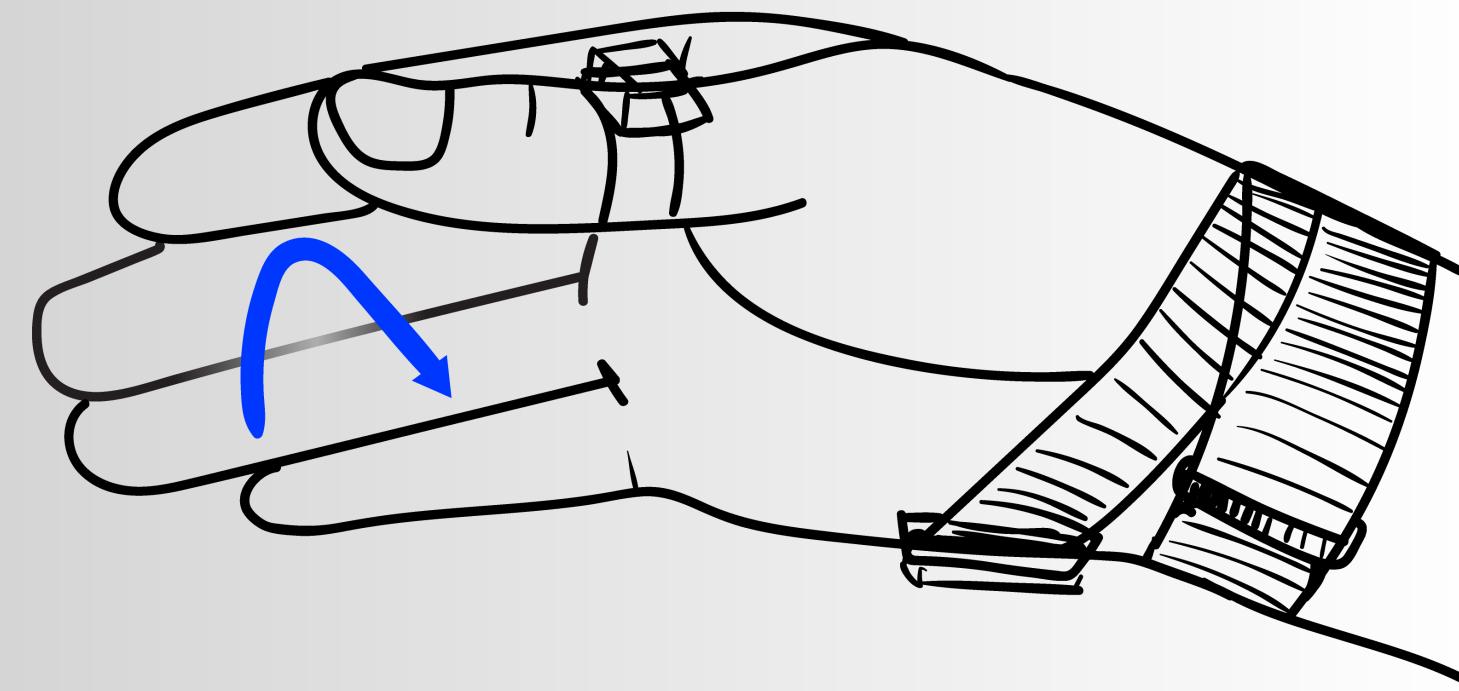
# Homepage UI Design

27  
°C

Fitnessquat



# ThumbTrak



# Ru Wang's Portfolio

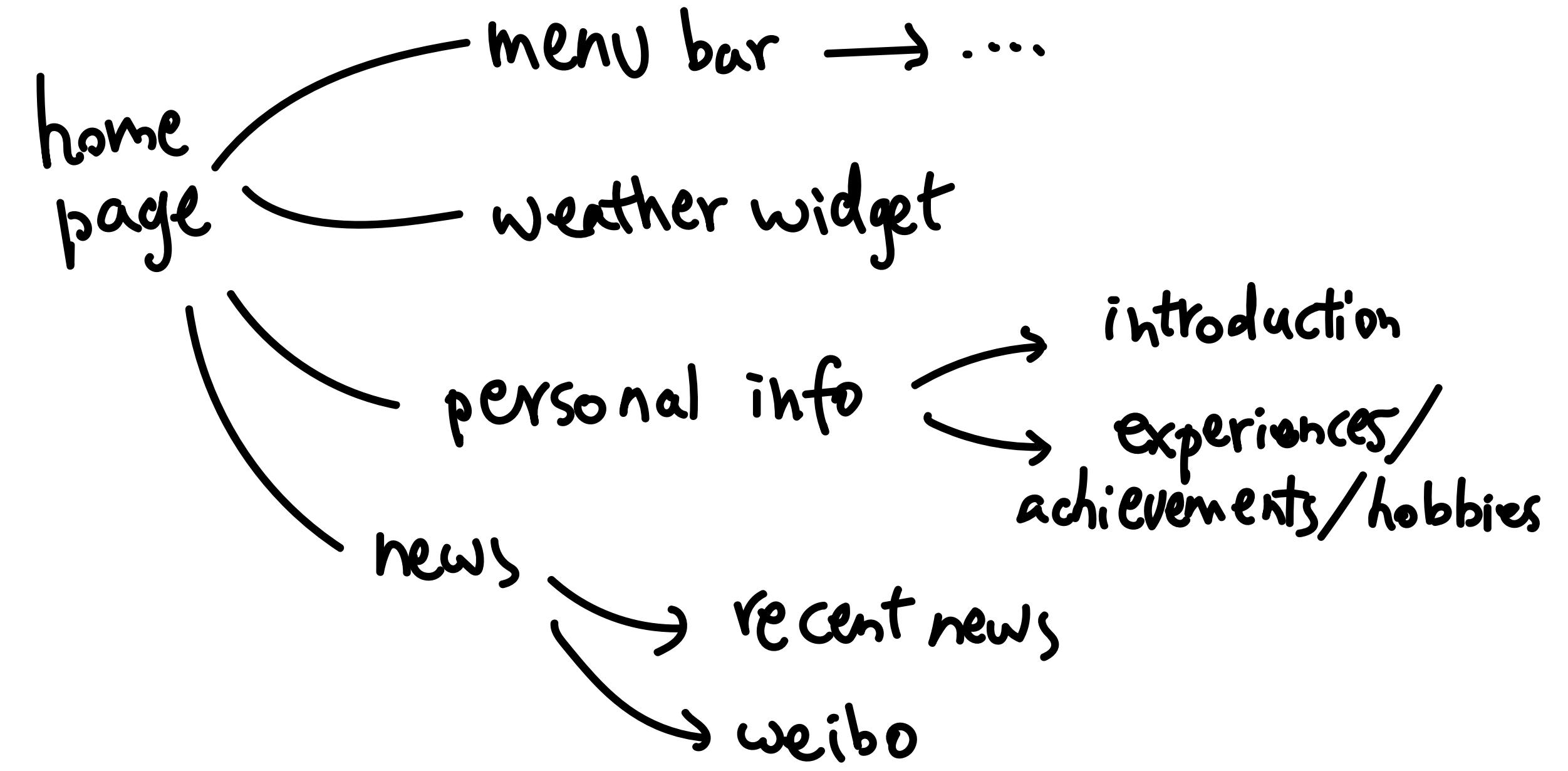
1/5/2019

# Homepage UI Design

– Course project for *Creative Design for Graphic, summer 2016*

A homepage should consist of:

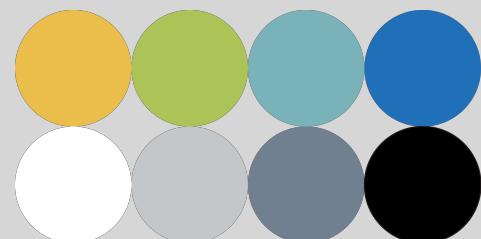
- Personal information
- News
- Experiences
- Gallery
- ...



Mind Mapping

# Layout

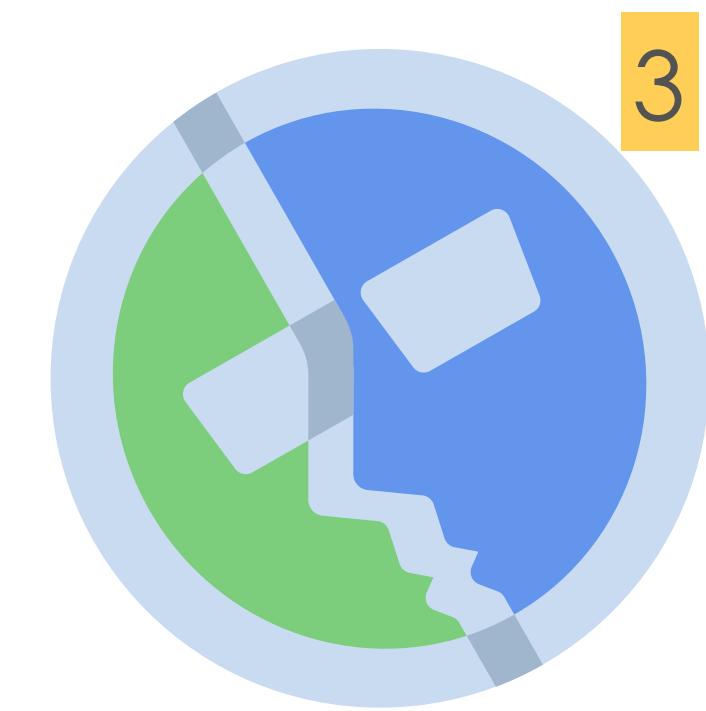
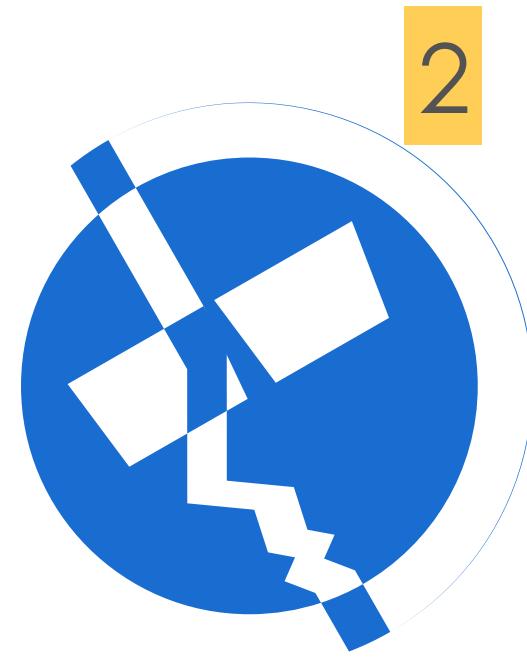
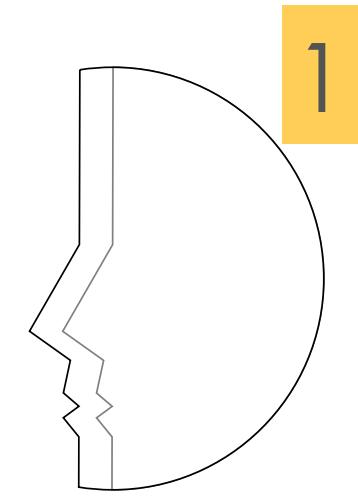
- **Fixed background.**
- **Floating foreground with frosted glass texture.**
- **Main page has:**
  1. **Menu bar**
  2. **Weather Widget**
  3. **Personal info.**
  4. **News**



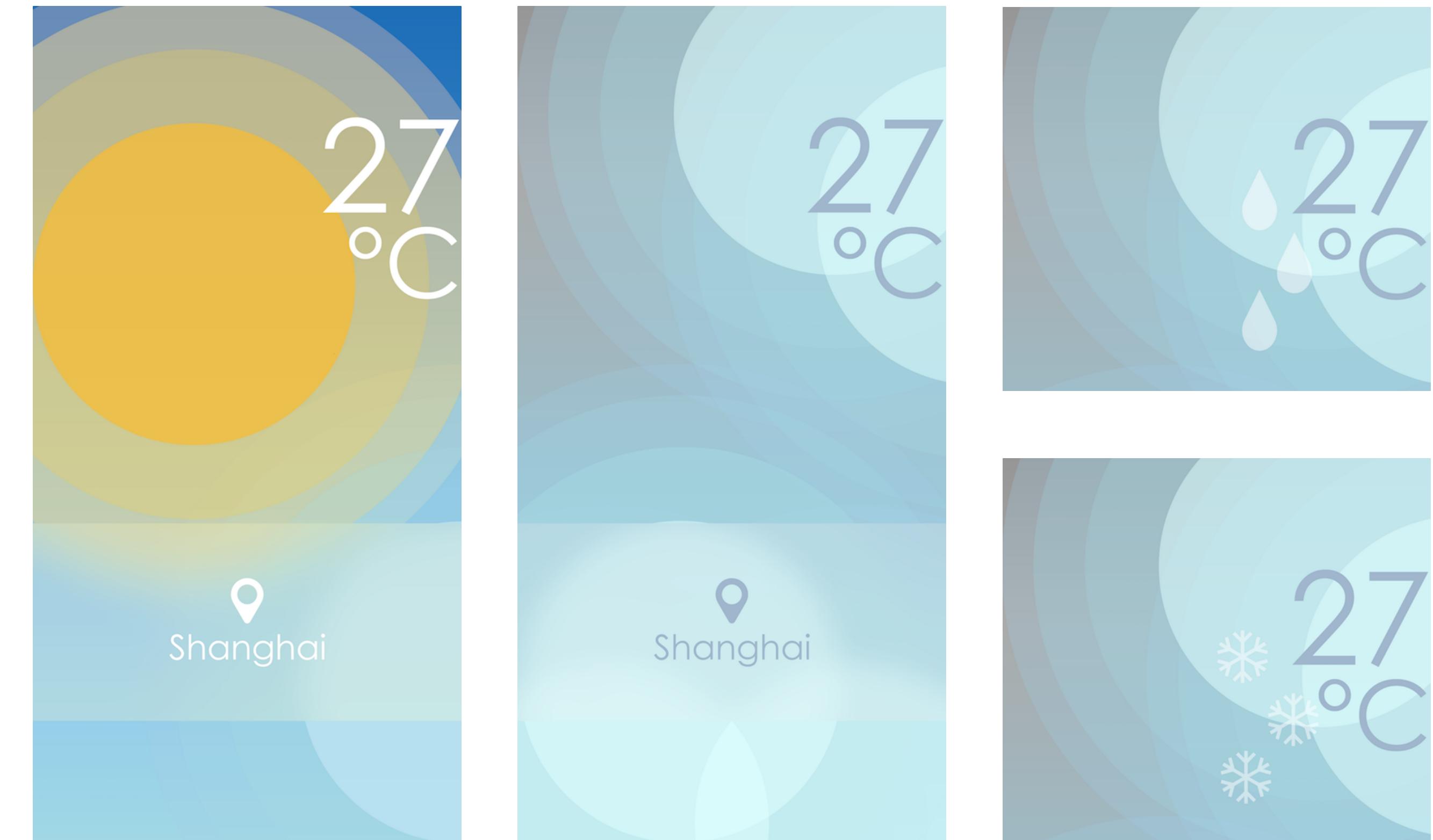
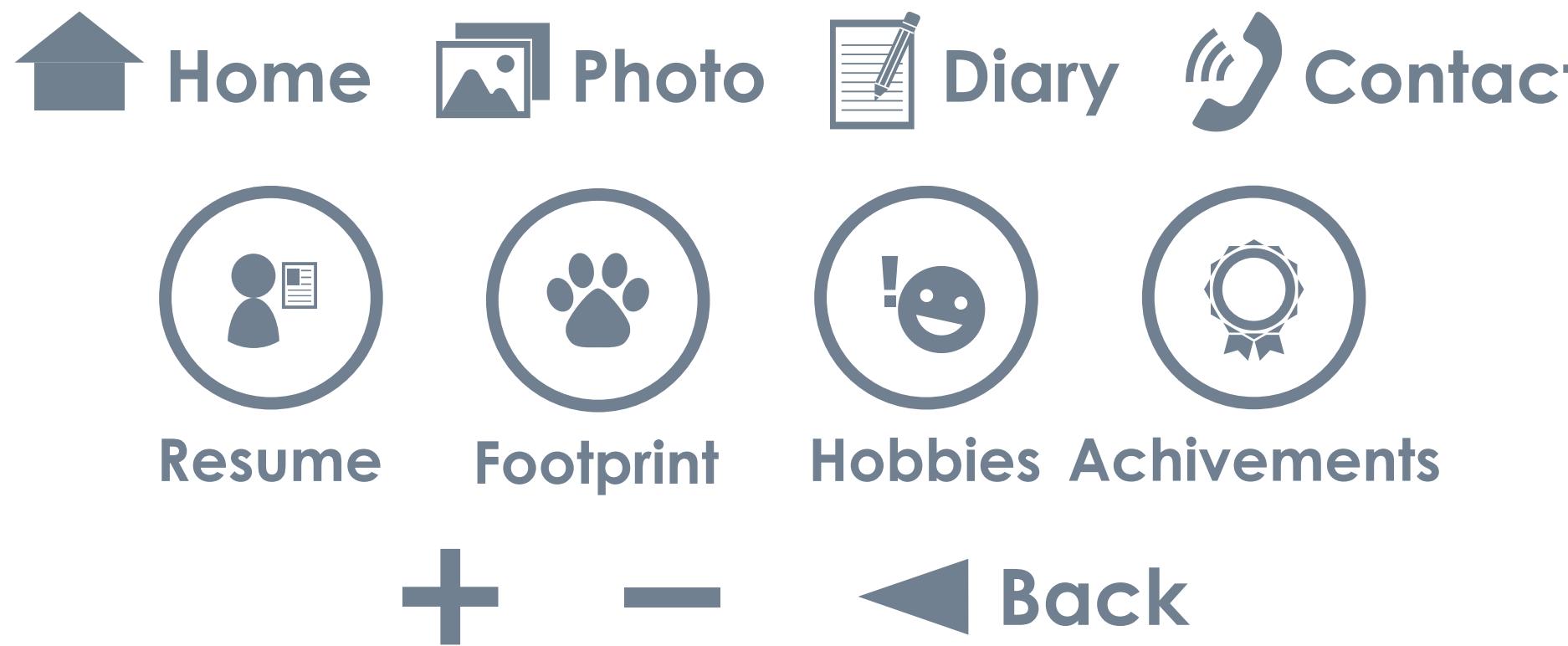
# Logo Design

- **Inspired by my side face.**
- **Integrate the initial letters ‘w’, ‘r’, of my name into the contour.**
- **Logo’s color scheme:**  

- **Blue and Green are colors of nature.**



# Icon and Weather Widget



# UI Demo

## Main Page



## Introduction Page

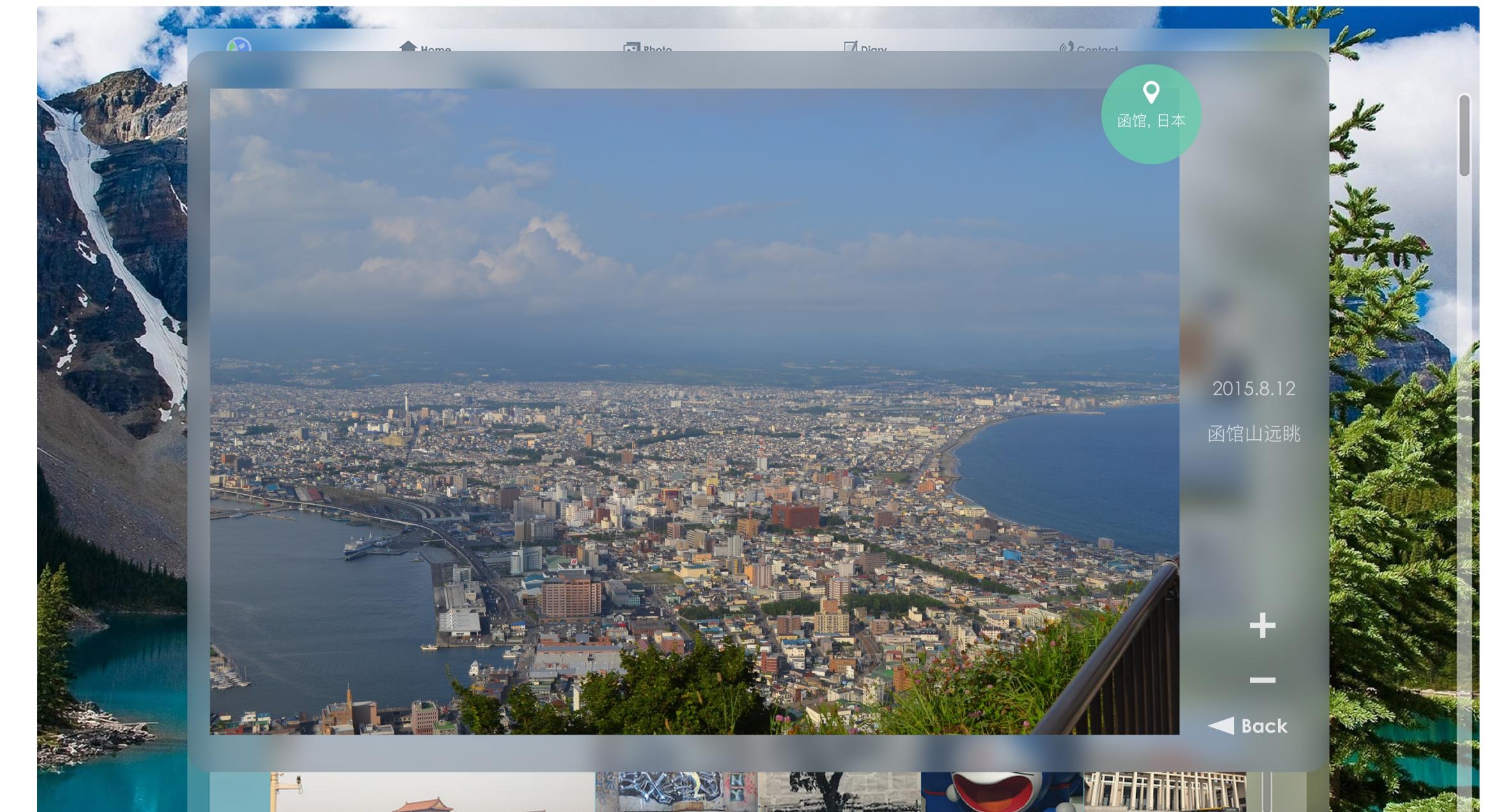


# UI Demo

## Gallery



## Picture Details

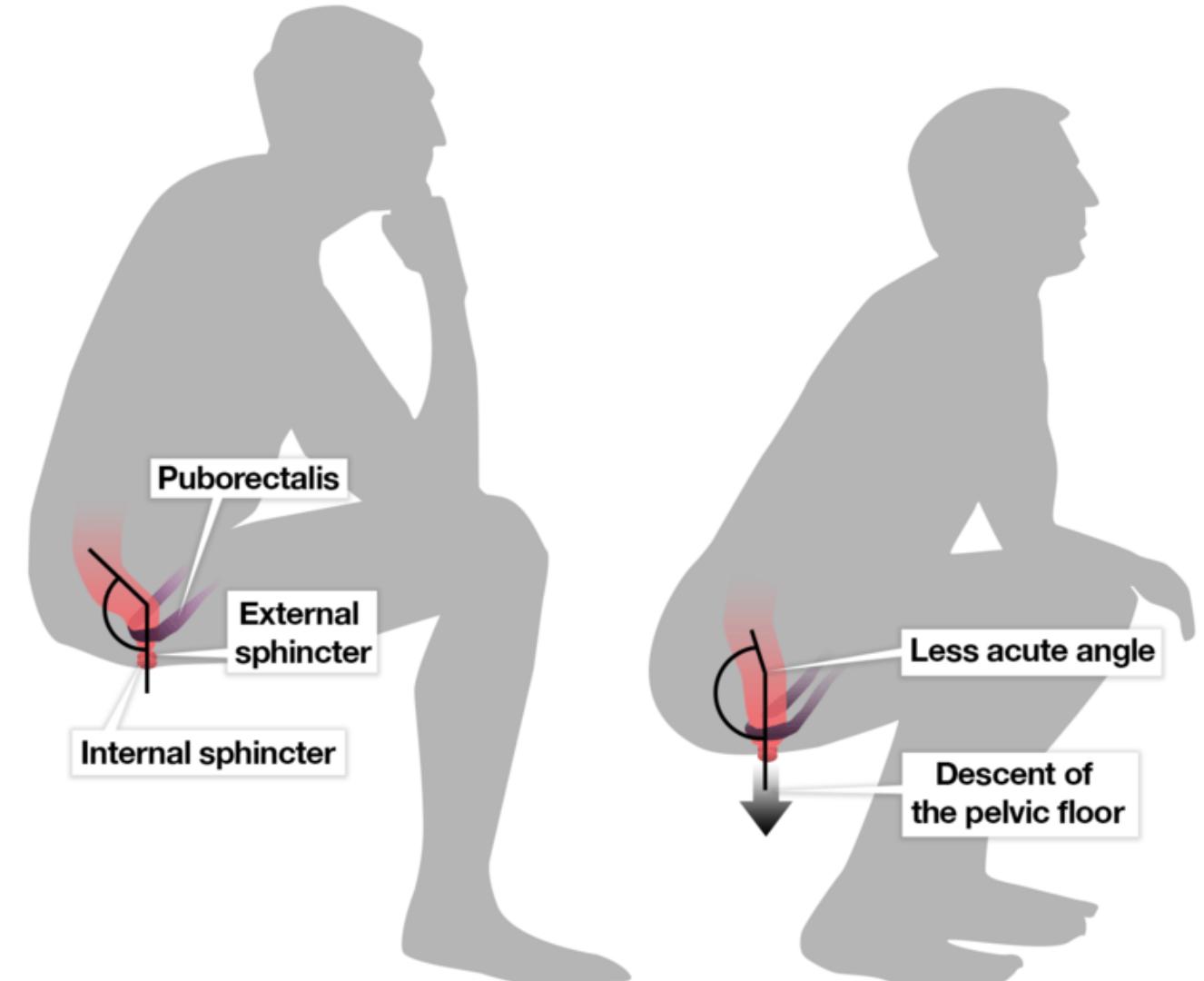


# Fitnessquat

— Course project for *The Art of Design Innovation*  
*(a introductory class to industrial design), summer 2017*

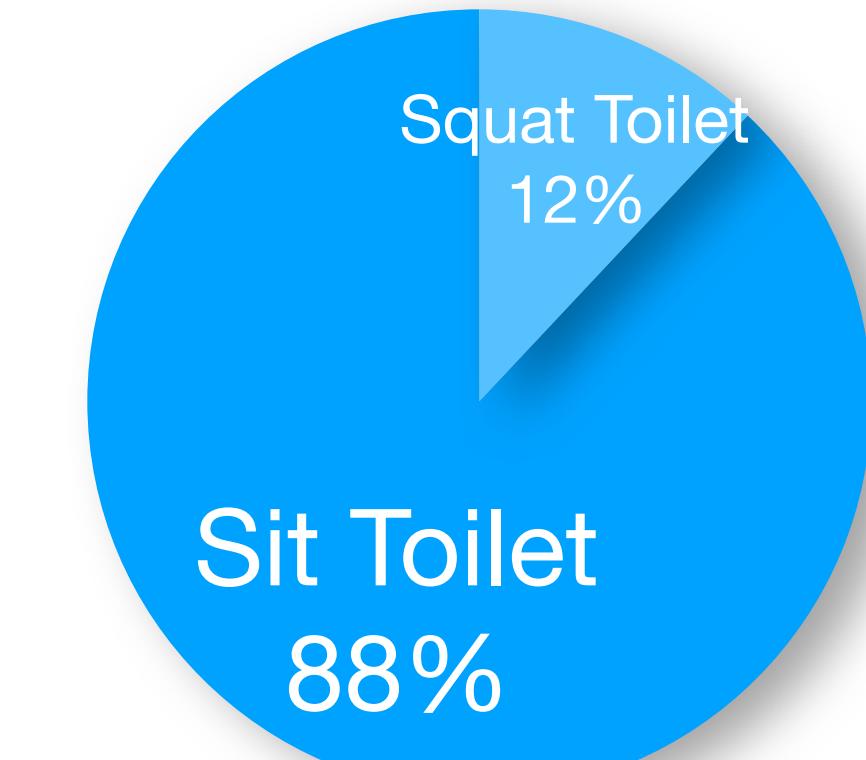
## Why squat toilet?

- Healthy!



✗Unhealthy toilet posture    ✓Healthy toilet posture

Among all the people surveyed:  
**(20 male, 12 female, aged 22 in average)**



88% prefer sit toilet.



The reasons why not squat toilet.  
‘Tiring’ is the dominant reason.

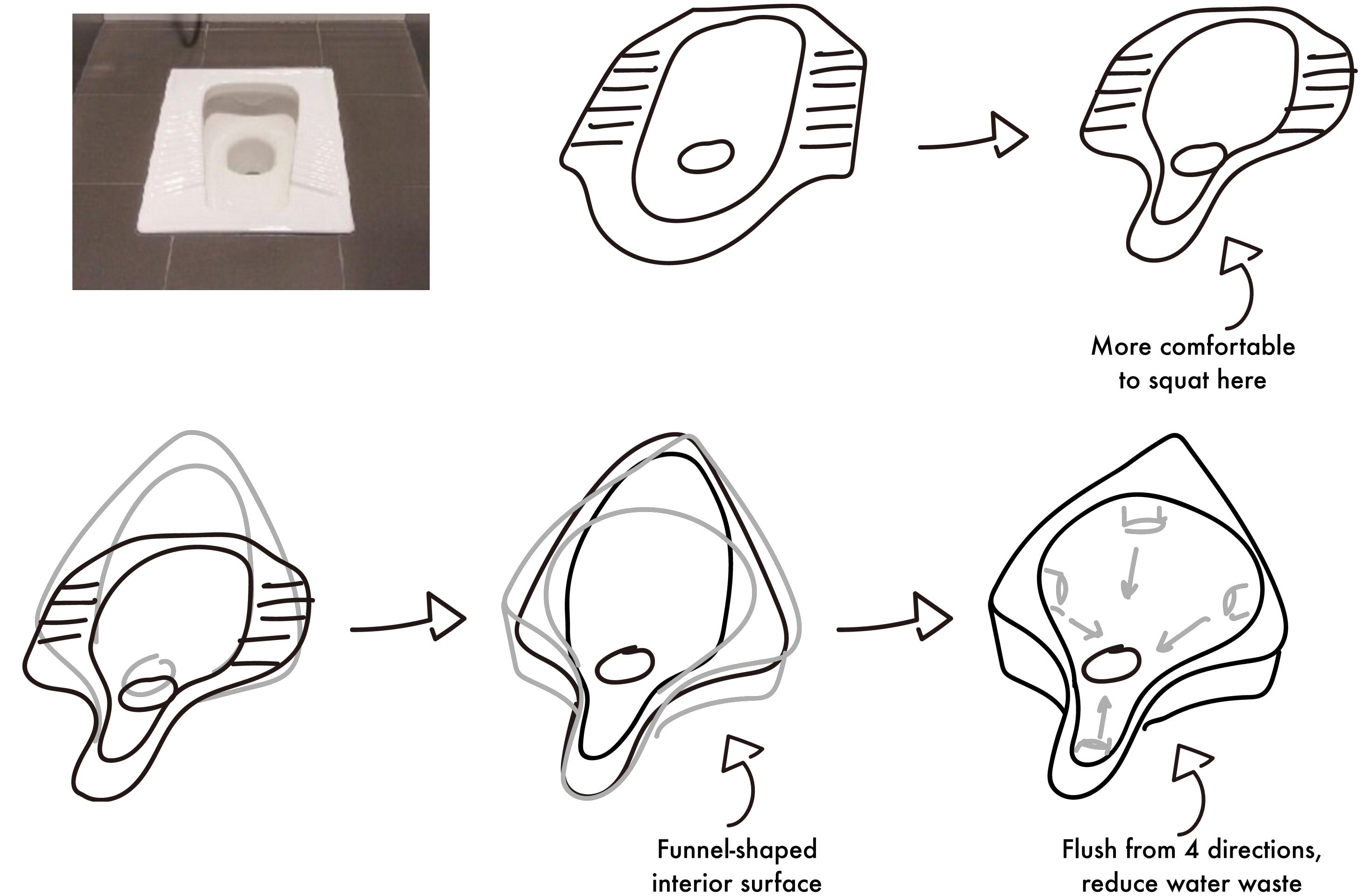
# Pain Points of Conventional Squat Toilet

- The width of the conventional squat toilet is too wide. It is tiring to squat with legs open wide for so long.
- When you flush, the water flows horizontally inside the toilet instead of flowing downwards, wasting too much water to flush the excreta away.
- Users are not willing to squat comfortably because the toilet is flat.
- .....



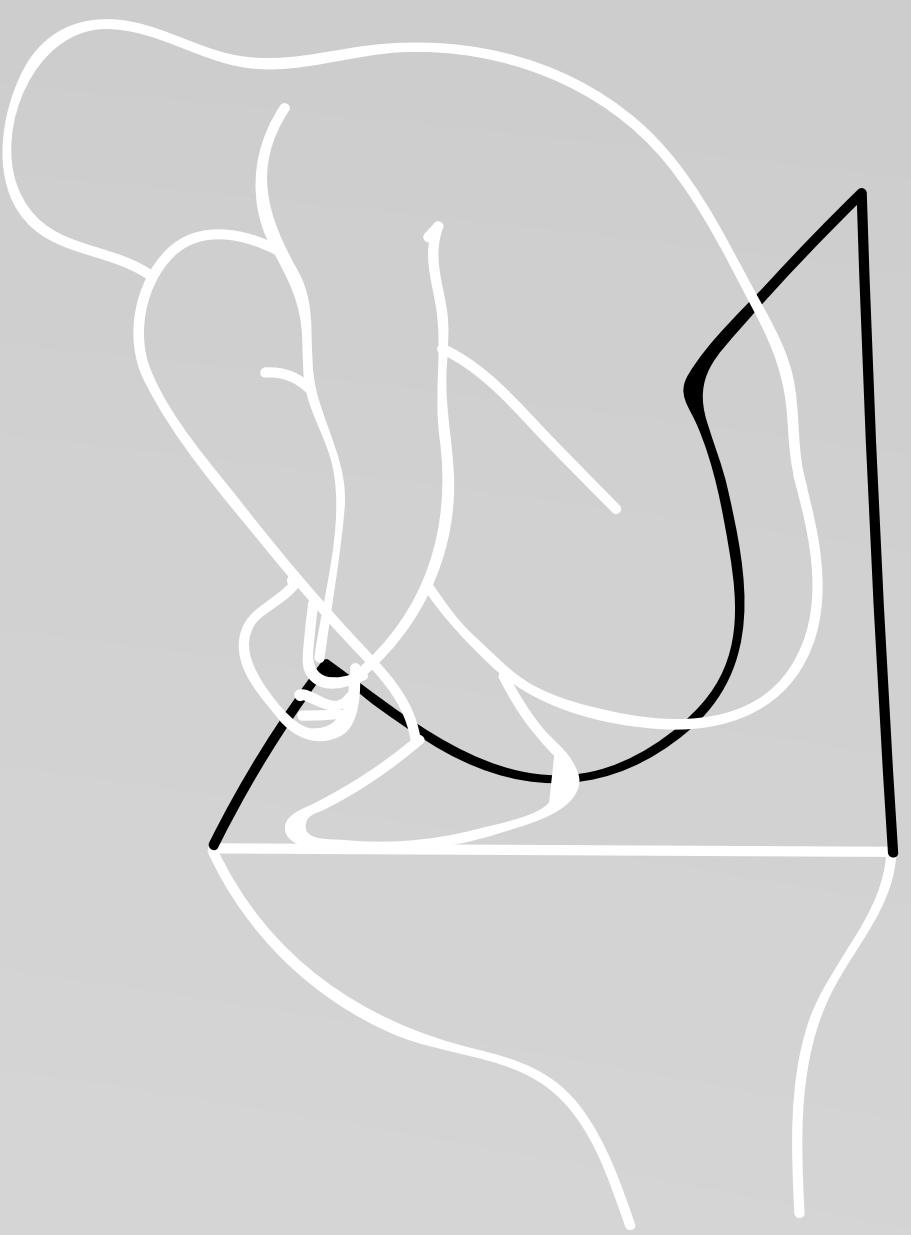
# Solutions: A New Squat Toilet

- Narrow the front width.
- Change the shape of squat toilet.
- Optimize the flushing strategy
- .....



# Concept Rendering

# Fitnessquat



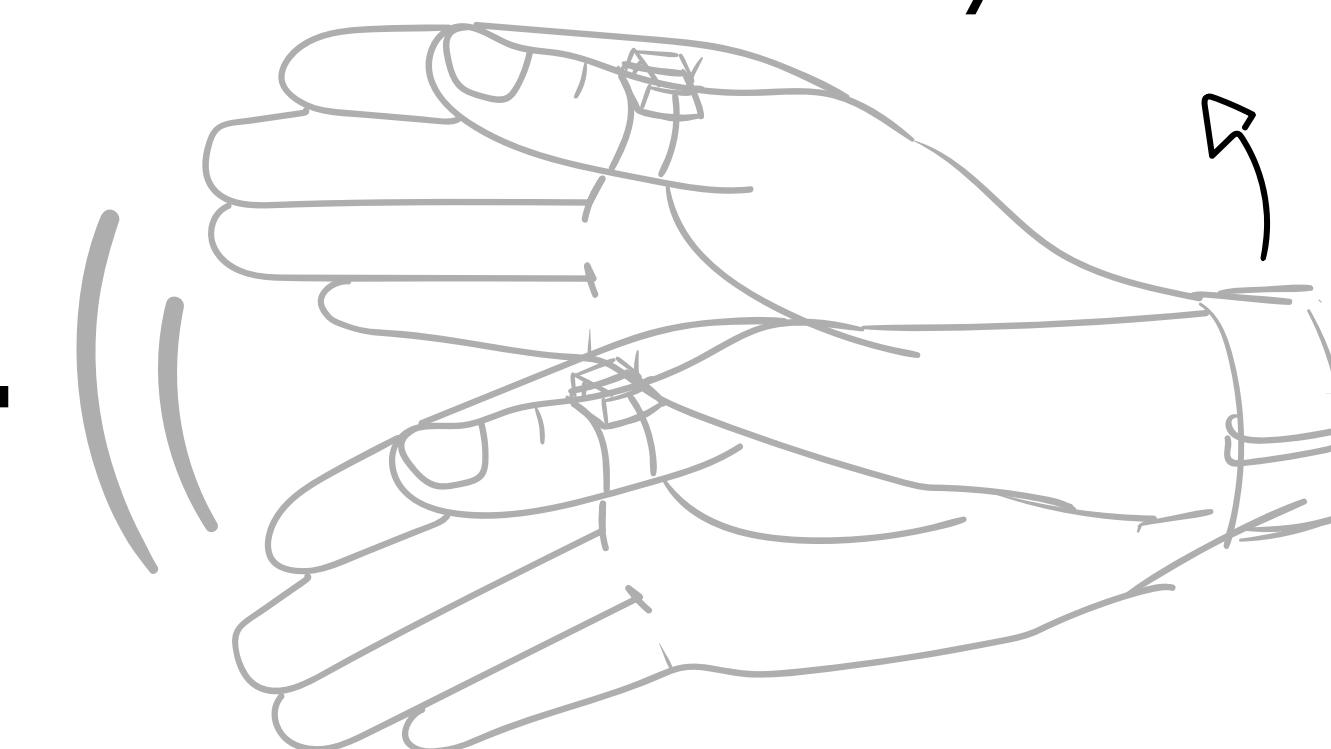
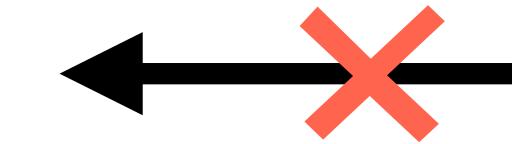
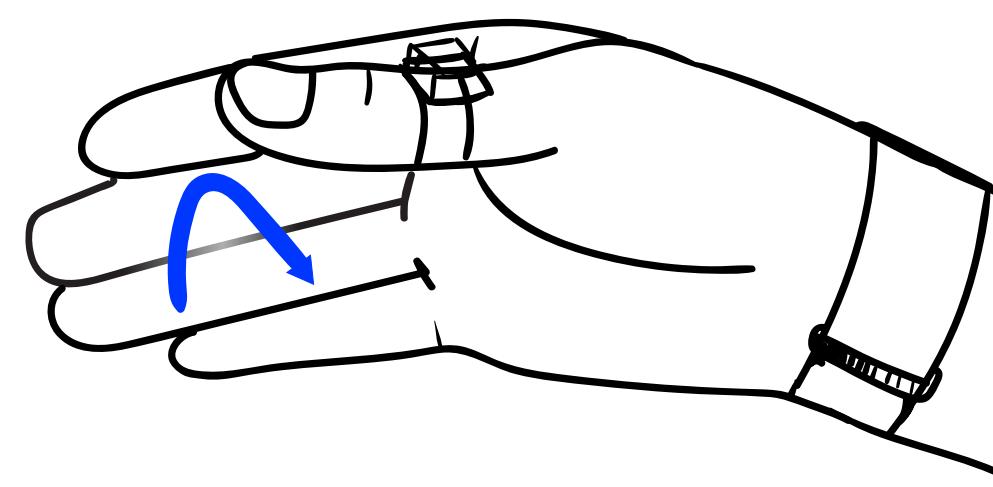
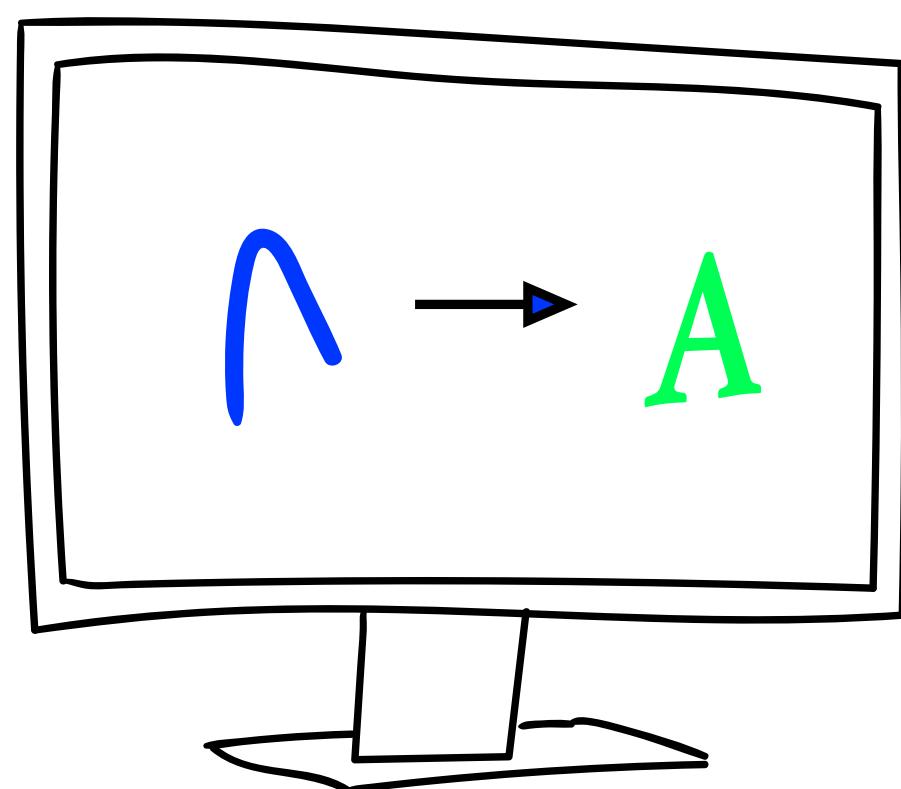
Side View

# ThumbTrak

— A continuous one-handed thumb-on-fingers gesture input technology,  
in team with Fanwen Ji and Zhonghao Zhan.

The wearable device consists of a thumb ring and a wristband

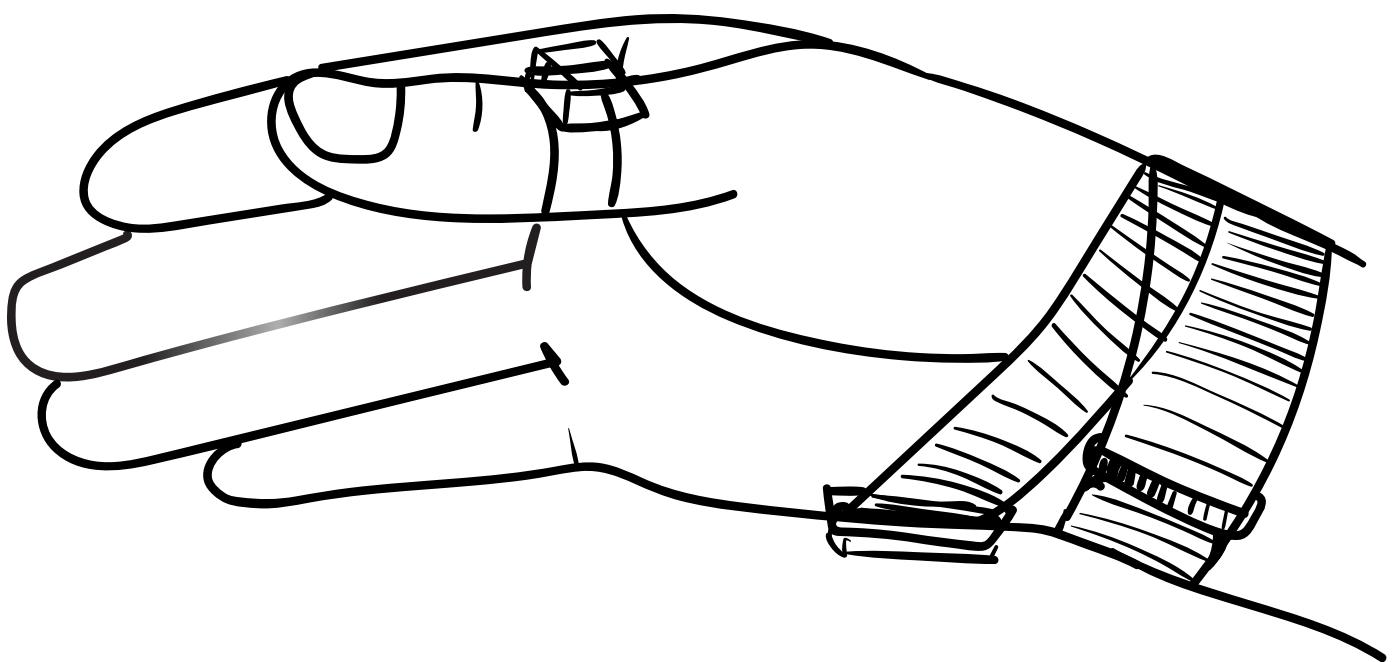
- The movement of the wrist may affect the output even if the gesture performed is the same, if simply using a watch-like form factor.



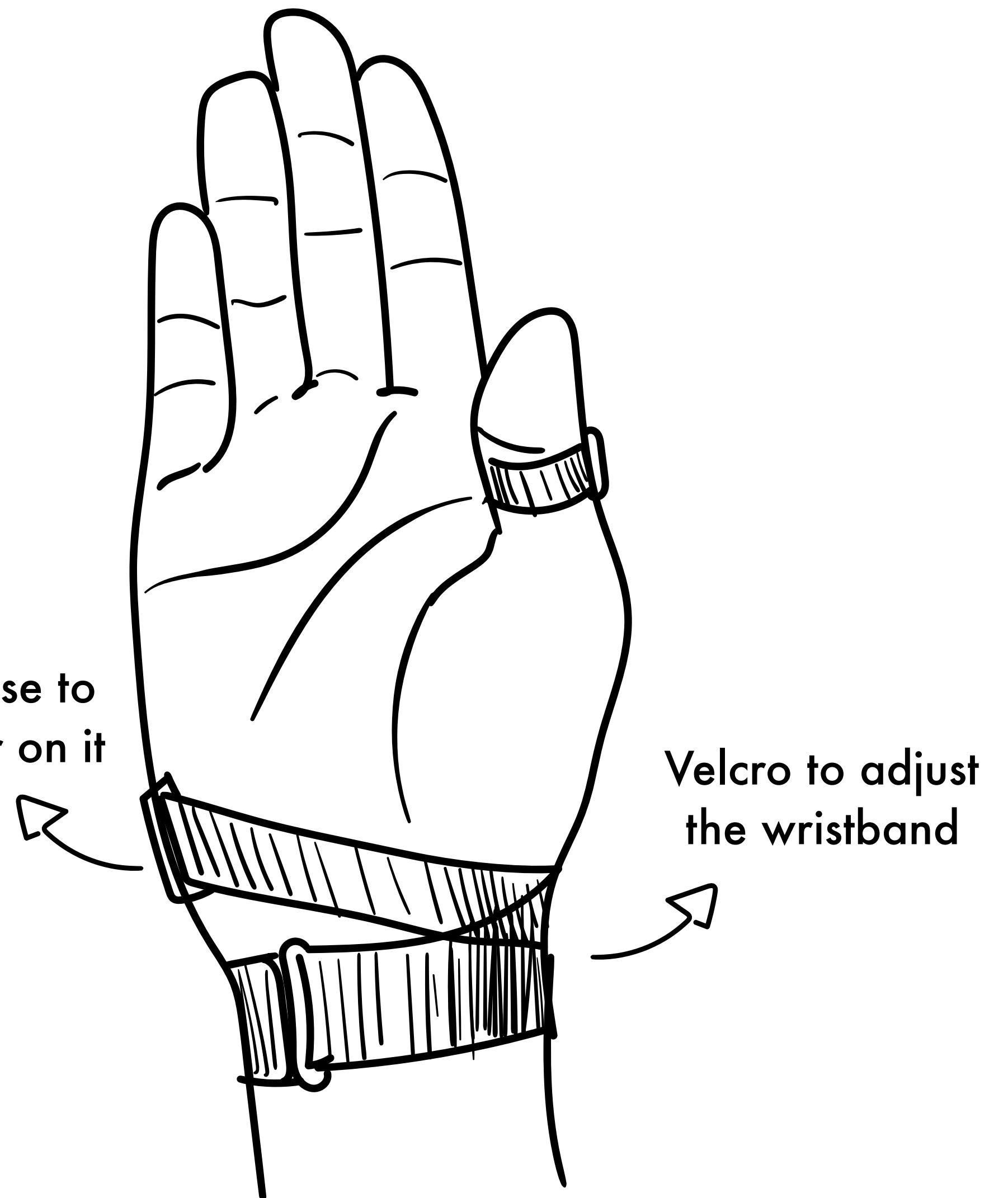
The sensor here should move  
consistently with the user's hand

# Solution

- Fix the sensor at the bottom of the hand (on top of the wrist) by simply tightening the wristband.
- Without adhesive.
- Ensure flexibility.

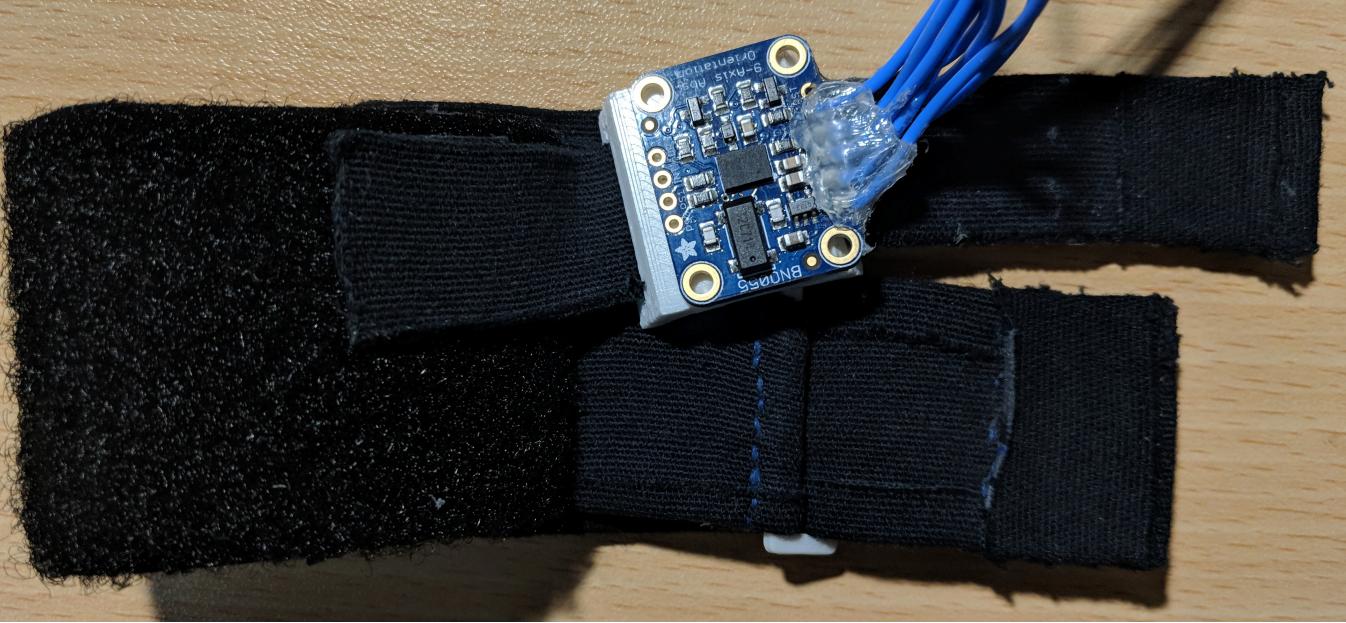


A 3D printed base to  
mount the sensor on it



Velcro to adjust  
the wristband

# Prototypes



# Thank you !

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