

IT – 3S Capstone Final Presentation

# iDOLL

**Health Care Device**

display your body image

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# Introduce



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# Introduction

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# Introduction

3 3 3 6 4 5 3 9 5 9 7 9 2 5 2 1 3 8 4 9 4 2 5 5 0 1 8 9 4 7 4 3 2 2 4 1 4 5 4 9 9 1 9 1 1 5 2 2 7 6 7 5 3  
7 0 9 3 1 8 5 2 5 5 5 0 6 6 3 8 0 6 0 0 1 4 1 8 8 5 1 8 2 9 8 5 4 3 5 5 9 6 5 1 0 7 8 8 2 8 9 4 6 3 6 5 0  
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1 4 8 4 4 8 8 2 0 4 0 8 6 8 1 0 4 6 3 8 1 0 3 0 4 6 5 1 4 2 7 2 3 6 4 4 4 1 8 1 8 2 4 3 4 6 9 6 3 7 3 5 1  
4 4 6 7 7 3 4 3 1 7 8 2 2 2 6 4 7 5 5 2 7 9 4 4 6 5 9 7 9 3 2 9 4 7 2 0 8 6 1 4 2 7 7 5 2 0 9 6 2 1 1 9 1  
8 9 7 2 5 8 7 9 3 2 7 7 0 0 3 7 8 8 6 7 3 1 5 4 2 9 5 5 9 7 0 3 0 0 5 0 2 2 5 0 7 8 9 3 6 7 4 5 0 6 3 3 6  
2 2 2 7 5 5 2 4 2 3 3 9 5 7 8 2 9 8 5 9 9 6 8 3 8 2 4 6 6 5 6 8 3 7 1 4 8 1 3 0 9 3 2 5 9 6 5 9 3 3 9 1 9  
7 1 9 5 3 3 7 4 5 7 4 7 0 3 9 8 9 9 5 7 7 1 5 9 7 6 0 8 5 9 7 1 6 5 0 8 5 8 6 9 7 5 7 5 5 3 2 5 8 8 0 8 5  
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7 2 1 8 8 0 5 0 4 3 3 1 8 5 0 4 2 0 1 1 7 3 1 6 5 4 3 5 0 5 8 4 7 3 2 9 8 1 9 5 1 2 5 8 1 5 4 5 2 3 2 9 0  
9 5 8 7 0 8 5 6 5 7 5 5 5 6 1 7 1 4 6 5 8 3 5 7 0 8 8 6 7 2 7 5 1 8 4 9 3 0 1 7 5 5 3 2 9 2 4 7 6 8 4 5 4  
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5 0 9 2 2 3 2 1 5 7 0 6 5 9 9 6 8 2 8 6 7 0 6 5 7 4 8 0 1 4 6 1 0 6 3 0 5 9 6 2 6 8 8 9 0 4 6 5 2 7 2 9 5  
5 8 6 4 0 4 7 6 2 4 7 3 0 4 7 8 1 3 2 3 8 8 9 3 4 2 5 8 6 0 2 4 2 6 5 1 4 6 5 3 3 8 2 7 7 7 2 5 7 5 7 8 6  
6 0 3 1 3 8 6 2 8 8 2 3 4 2 7 7 7 1 9 8 3 9 2 4 7 5 2 0 3 2 5 1 6 0 8 2 1 1 2 2 8 2 3 8 8 7 4 8 6 7 2 4 5  
3 5 0 3 8 3 8 3 2 8 7 0 1 0 0 9 8 5 2 0 5 7 1 4 4 9 8 0 4 5 3 9 2 6 7 3 6 5 6 4 0 3 7 4 5 0 8 9 5 0 8 1 0



**Nice! But...**

# Introduction



**High Level  
UI/UX**

# SYSTEM OVERVIEW



Wearable Device



Android App



Display Device



Wearable Device



Display Device



Android App



## PBW - 200

- Provide SDK
- Record calorie and steps

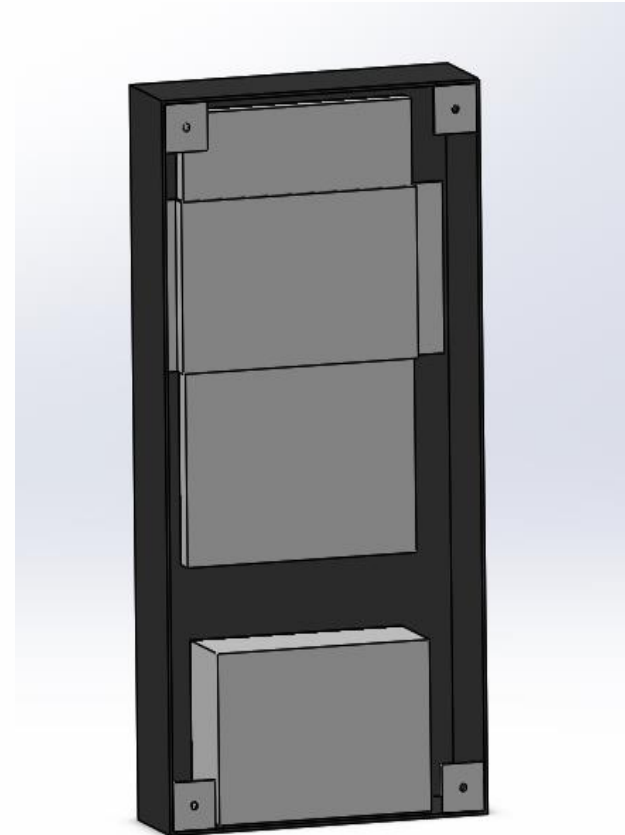
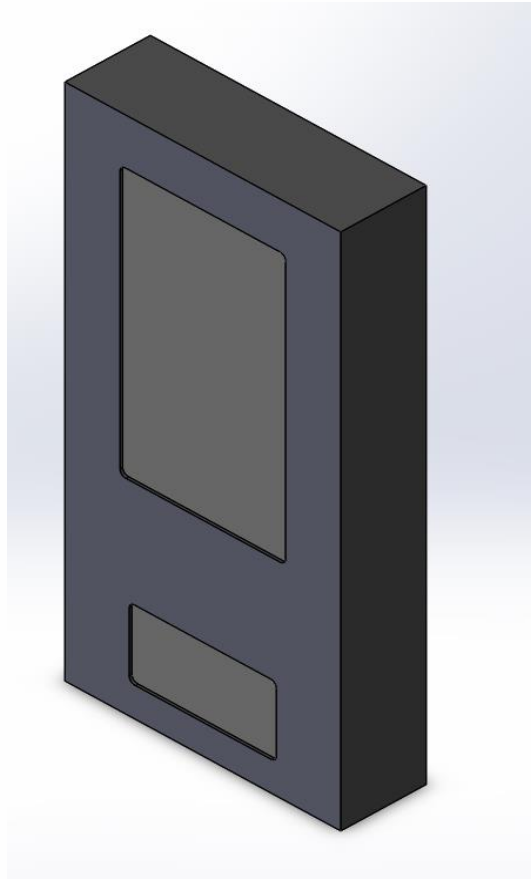


## Android App

- Connected to wearable device
- Health Care Management



# Design





## Display Device

- »» Connected to Android App
- »» Show Body Image
- »» Table Clock (off)

# Detailed Design

iDOLL

iDoll에 오신것을 환영합니다.

성별 ☒ 남자 ☐ 여자

나이 25

키

몸무게

데이터 저장하기

## BMI

$$\text{BMI} = \frac{\text{몸무게(kg)}}{\text{키}^2(\text{m}^2)}$$

Normal  
18.5 - 24.99

Overweight  
25 - 29.99

Obese  
30 - 34.99

Severely Obese  
35 - 39.99

Morbidly Obese  
 $\geq 40$

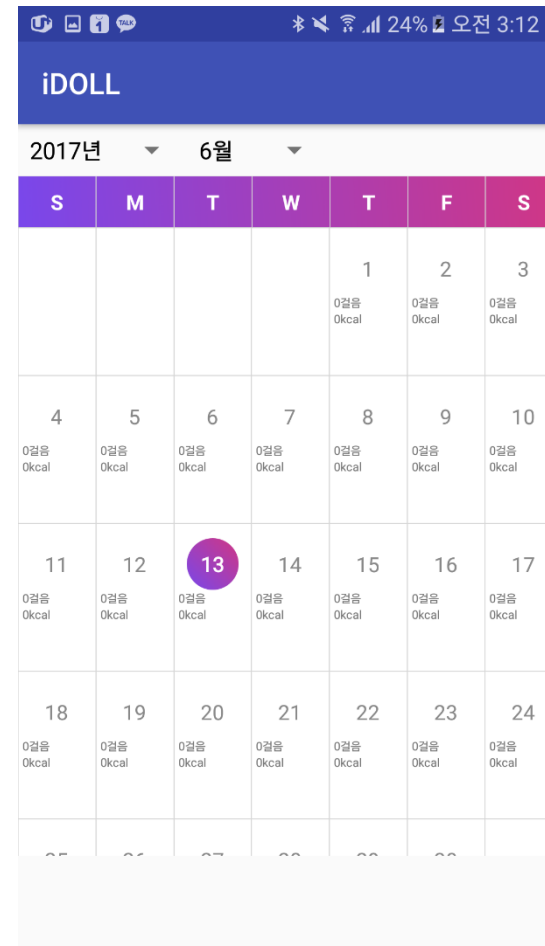




## Android App

- » calorie loss change BMI
- » every second

# Goal





# Data Chart





**Future  
enhancements**

# Future enhancements



# Future enhancements



## FQA

**Q  
1**

**체형 이미지가 혐오감을 불러 일으키지는 않나요?**

**혐오감을 일으키지 않는 그래픽 이미지를 사용**

**Q  
2**

**마른 사람에 경우에는 체형 변화가 쉽게 나타나지 않을 것 같은데요?**

**그래픽 이미지 외 Data Chart 기능 보완**

**Q  
3**

**BMI 및 체중의 변화가 부정확하지 않나요?**

**초소형 BMI 측정기 - UO 헬스핏**

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Very Basic Recycling Method

**Q & A**



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Very Basic Recycling Method

**Thank you**