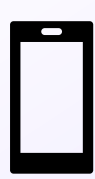


# Developing Smart Campus Application

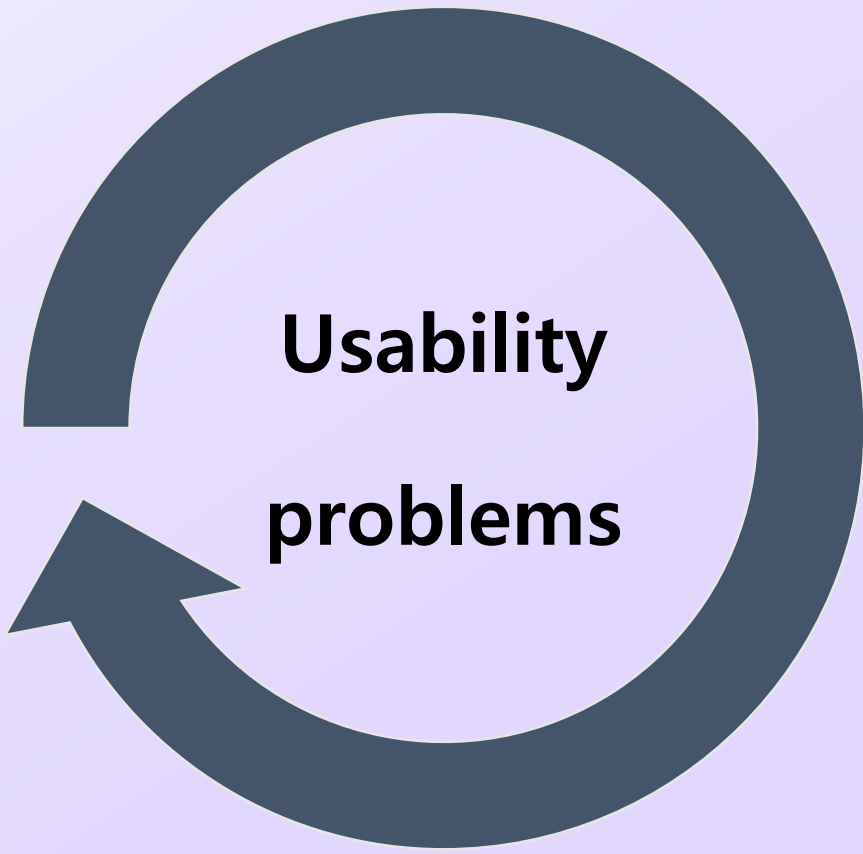
Four Five 뽀빠이 / Team 05

21300543 Seungyoo Lee,21700475 Huichan Yu, 21800720 Hyojung Chun, 21800795 Juwon Hong

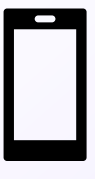


## Topic & Background

: Redesigning the "Smart Campus(스마트캠퍼스)" app structure

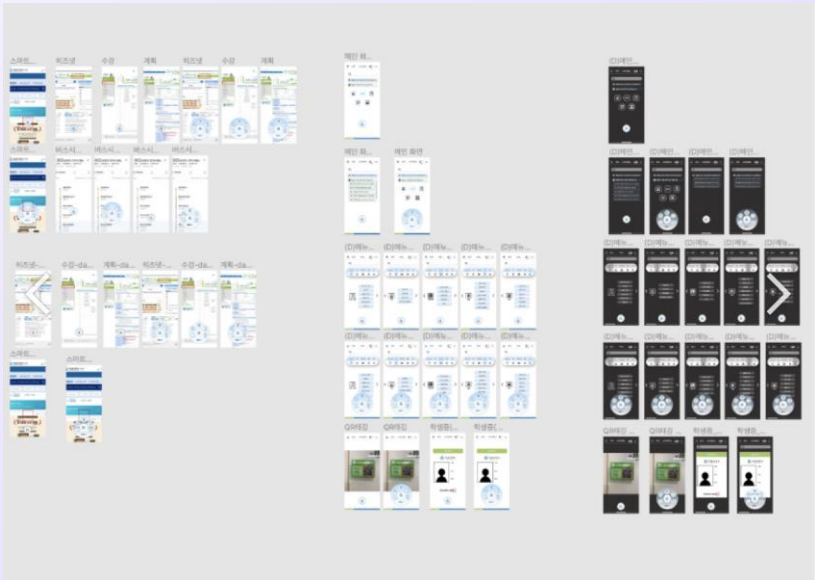


- Discoverability
- Simplicity
- Flexibility
- Consistency

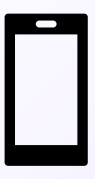


## Purpose

1. Correction that causes cognitive errors (human error)
2. Adding a new function that considers the usability problems



<Figma\_Overview>



## Conclusion

### Contribution

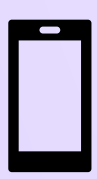
- Collecting 20 Handong students' opinions, finding problems of previous version of Smart Campus Application and proposing redesigned prototype and asking feedback and satisfaction level.

### Limitation

- The design of prototype was more intuitive but as people adapted to the new design, it took more time and eye fatigue was higher in the eye tracker
- Accuracy of Eye tracker was low

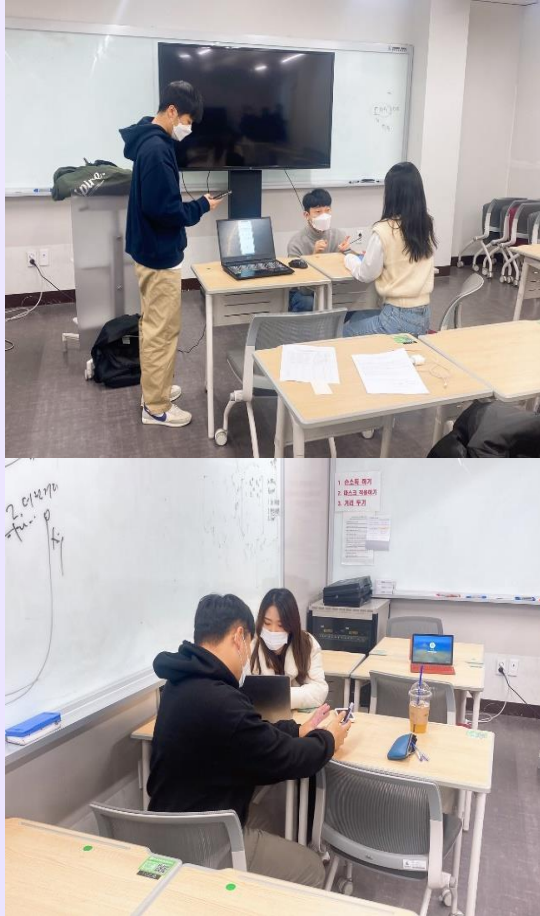
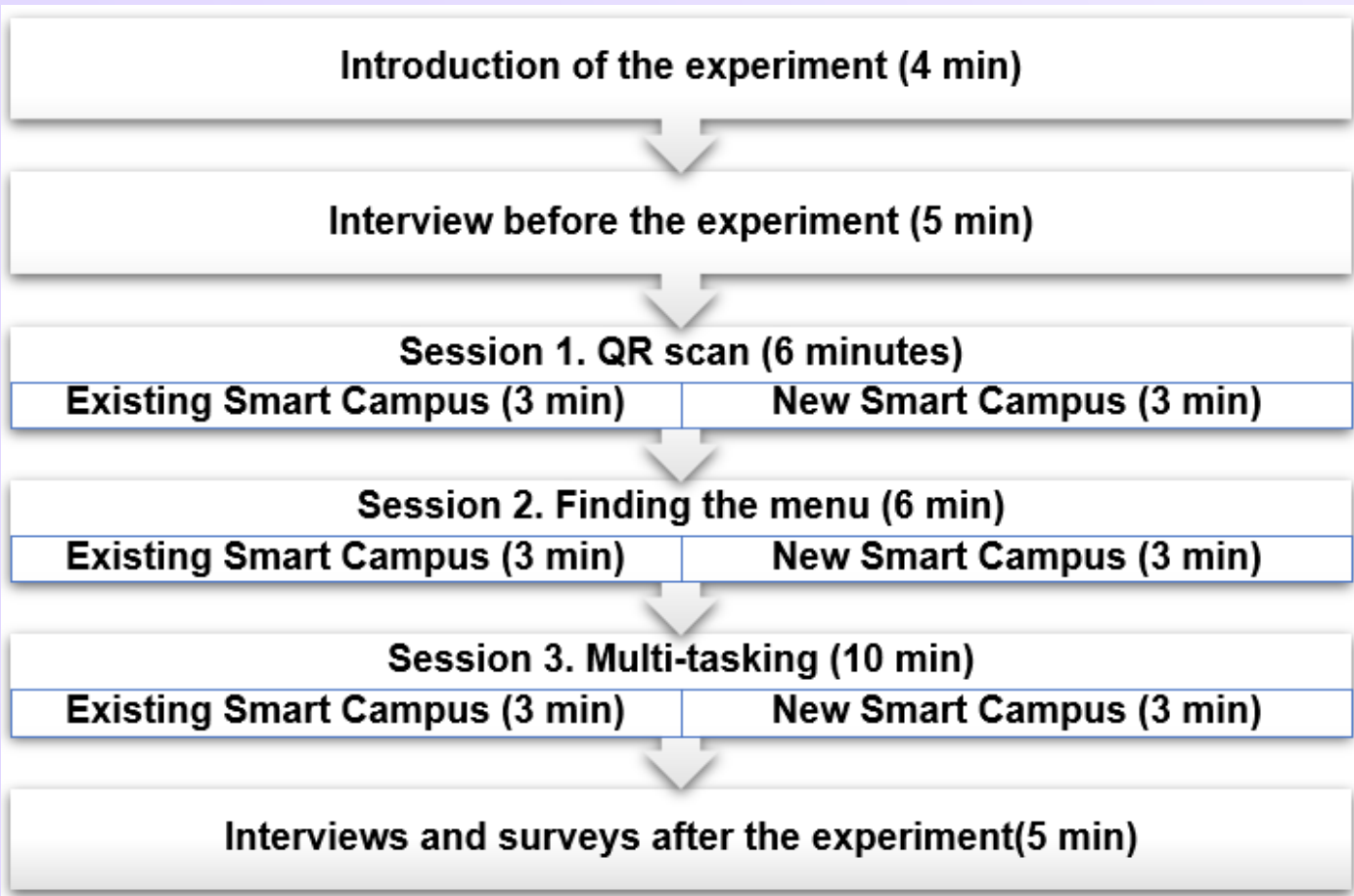
### Expected Further Studies

- Provide detailed information of Icons for students who want intuitive information structure
- Reduce the number of functions that students do not use
- When Smart Campus Application linked to Hisnet/Library provide appropriate Crawling



## Experiments (User Test)

- **Participants** : 20 people who use Smart Campus application
  - 1) Natural sciences : 8 people
  - 2) Liberal arts: 8 people
  - 3) Mixed: 4 people
- **Procedure**



### Measures

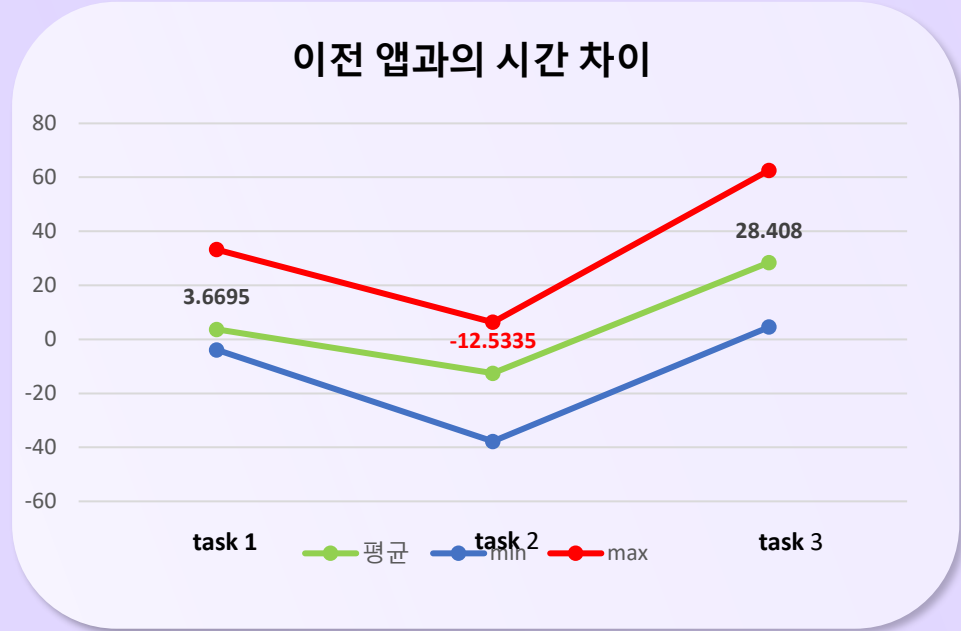
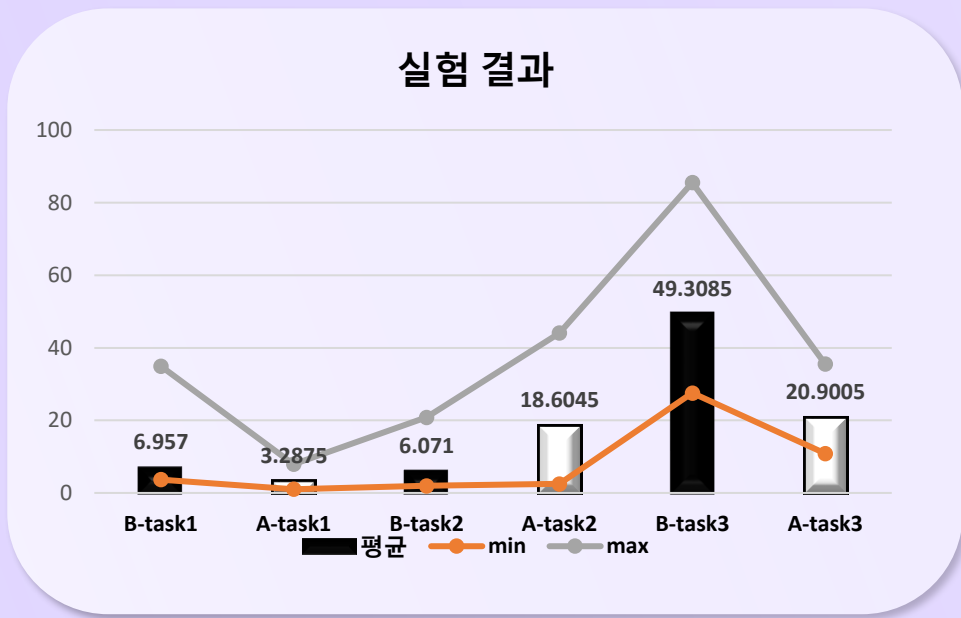
- 1) Quantitative: Time checking, Eye tracker, Survey
- 2) Qualitative: Pre-Post Interview

### Analysis

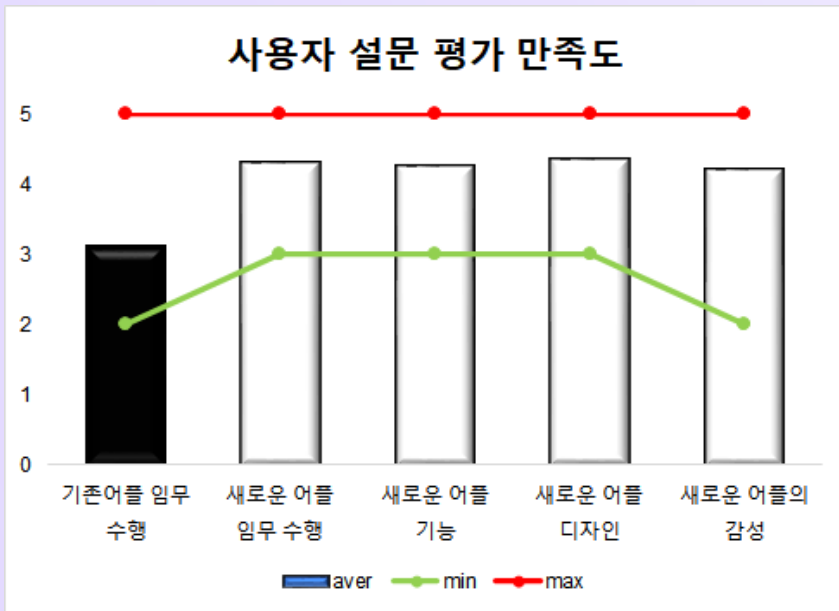
#### 1) Quantitative Analysis

< Usability test chart >

##### 1. Time on task



#### 2. Satisfaction



< Eye-Tracker Data >



Previous Ver.

Redesigned Ver.

#### 2) Qualitative Analysis

##### Good

1. Able to customize quick menu ➡ **Useful**
2. Intuitive design ➡ **Accessibility & Discoverability**
3. Category classification ➡ **Efficiency**
4. Dark mode ➡ **Relieves eye fatigue**

##### Bad

1. Need detailed Information of icon
2. Still too many functions
3. Crawling doesn't work when it linked to Hisnet/Library
4. Large size of Quick menu