Capstone Design

Team 13

20165729   Park Sangwoo
20161344   Heo JeongWoo
20161090   Lee Chaemin

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1.

Q&A Feedback

Similar device

Similar concept device

CHAKAK(차칵)

FIDO

2.

New Project

3D room reconstruction using smartphone

We want to help you choose house by providing the exact room size in 3D
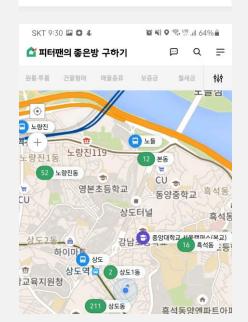
Uncomfortable with the existing way of finding a room

It is very difficult to look around real estate without any information &
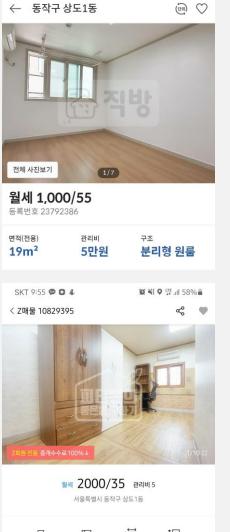It's hard to find a good house
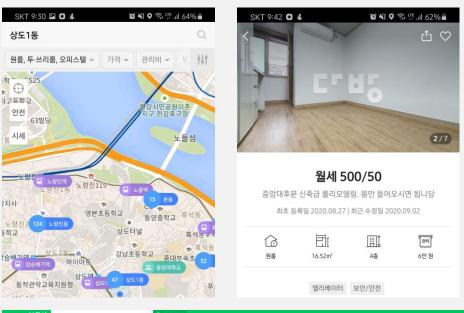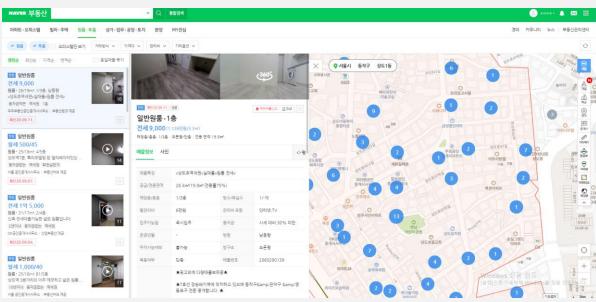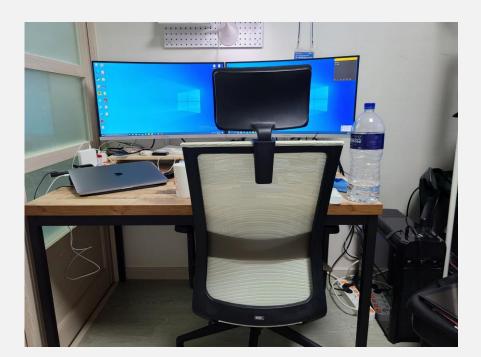
Only photos…

- My furniture can fit in?
- Is it the size I want?

Already, many people use 3D modeling for interior

But, we need to prepare a floor plan
&
We need to know how to model 3D

Similar concept application

But this application is difficult to normal user.

3D room reconstruction using smartphone

1. Scanning room use smartphone

2. Furniture arrangement

3. Share my room model for sale through application

New Project
Optional

3.

Schedule

Total Schedule

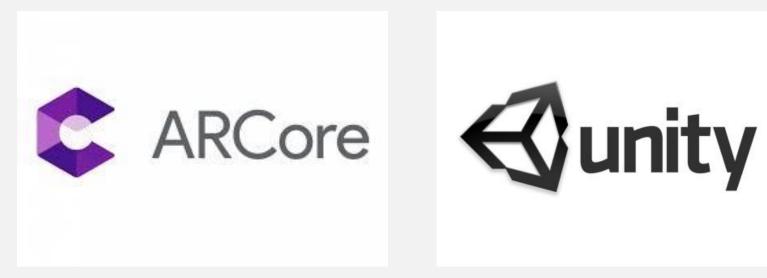| Development Contents	September 9	16	23	30	October 7	14	21	28 (Midterm Demonstration and Presentation)	November 4	11	18	25	2 (Final Demonstration and Presentation)	December 9	16
Content Acquisition & Data Survey	■	■													
Study android api for camera	■	■	■												
Implementing 3D reconstruction using unity					■	■	■		■	■	■				
Implementing RGB-D camera scanning			■	■	■										
Implementing application UI			■	■	■	■	■		■	■	■	■			
Implementing Hand tracking			■	■	■	■	■		■	■	■				
Implementing Sensor tracking						■	■		■	■	■				
Preparing Midterm Demonstration and Presentation							■								
Test and Debugging										■	■	■			
Preparing Final Demonstration and Presentation												■			
Writing manuals and reports														■	■

3 Schedule

1. Heo Jeong woo

Development Contents	September				October				November				December		
	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16
Content Acquisition & Data Survey	■	■						Midterm Demonstration and Presentation					Final Demonstration and Presentation		
Study android api for camera	■	■	■												
Implementing RGB-D camera scanning			■	■	■										
Implementing application UI			■	■	■	■			■	■	■				
Implementing Sensor tracking						■	■		■	■	■				
Preparing Midterm Demonstration and Presentation							■								
Test and Debugging									■	■	■				
Preparing Final Demonstration and Presentation												■			
Writing manuals and reports														■	■

2. Lee Chae min

Development Contents	September				October				November				December		
	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16
Content Acquisition & Data Survey	■	■						Midterm Demonstration and Presentation					Final Demonstration and Presentation		
Study android api for camera	■	■	■												
Implementing 3D reconstruction using unity					■	■	■		■	■	■				
Implementing application UI					■	■	■		■	■	■				
Implementing Hand tracking					■	■	■		■	■	■				
Preparing Midterm Demonstration and Presentation							■								
Test and Debugging										■	■	■			
Preparing Final Demonstration and Presentation												■			
Writing manuals and reports														■	■

3. Park Sang woo

Development Contents	September				October				November				December		
	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16
Content Acquisition & Data Survey	■	■						Midterm Demonstration and Presentation					Final Demonstration and Presentation		
Study android api for camera	■	■	■												
Implementing 3D reconstruction using unity					■	■	■		■	■	■				
Implementing application UI					■	■	■		■	■	■				
Implementing Hand tracking					■	■	■		■	■	■				
Preparing Midterm Demonstration and Presentation							■								
Test and Debugging										■	■	■			
Preparing Final Demonstration and Presentation												■			
Writing manuals and reports														■	■

4.

Q&A