Team1

iDecide

Recommend Laptop for Tech Newbies

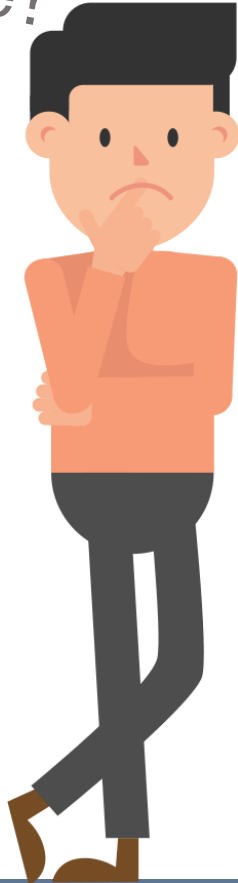# CONTENTS
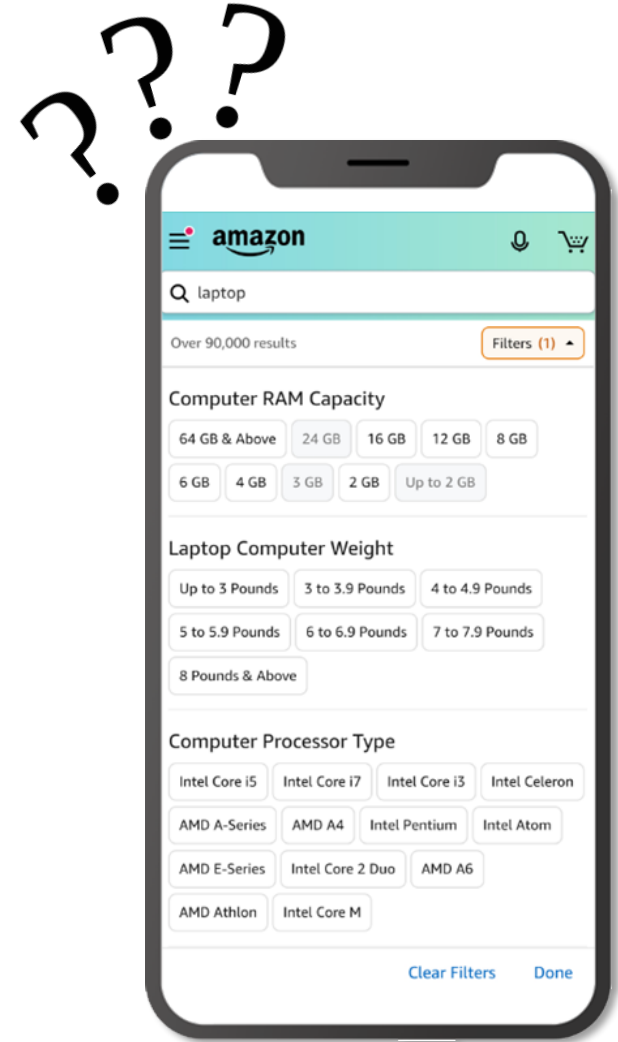
People who don't know about the **spec** want **guide** to **select laptop**

Goals – Final goals

"*Get the Best Laptop with the Least Clicks!*"

Helps those who are not familiar with computer terminology find the best suitable notebook with little effort

Goals − Detailed goals

"Get the **Best Laptop** with the **Least Clicks!**"

Building an algorithm that filter devices according to prioritized that customers consider as important

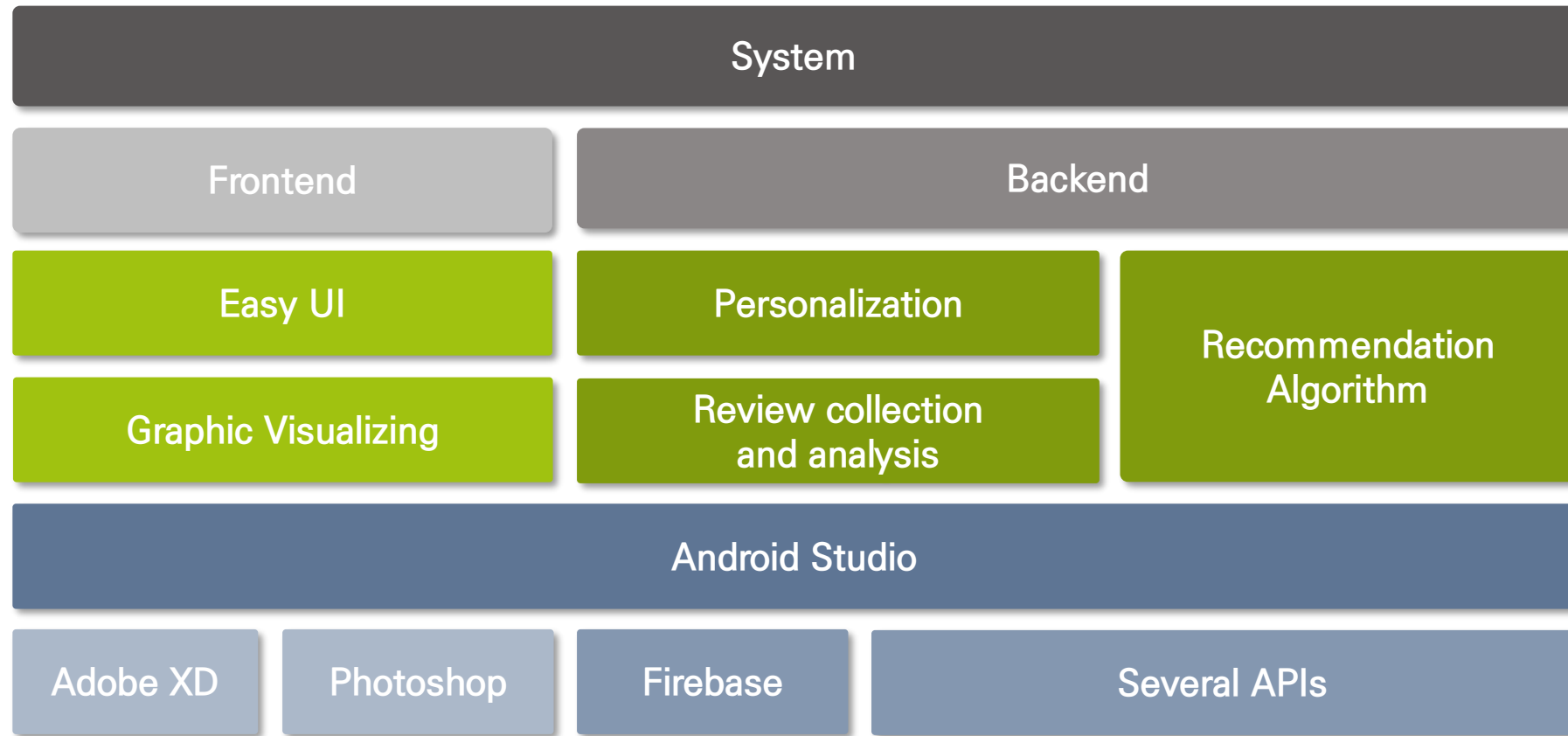Comparing multiple devices added in the bucket

Enabling users to easily see other people's review

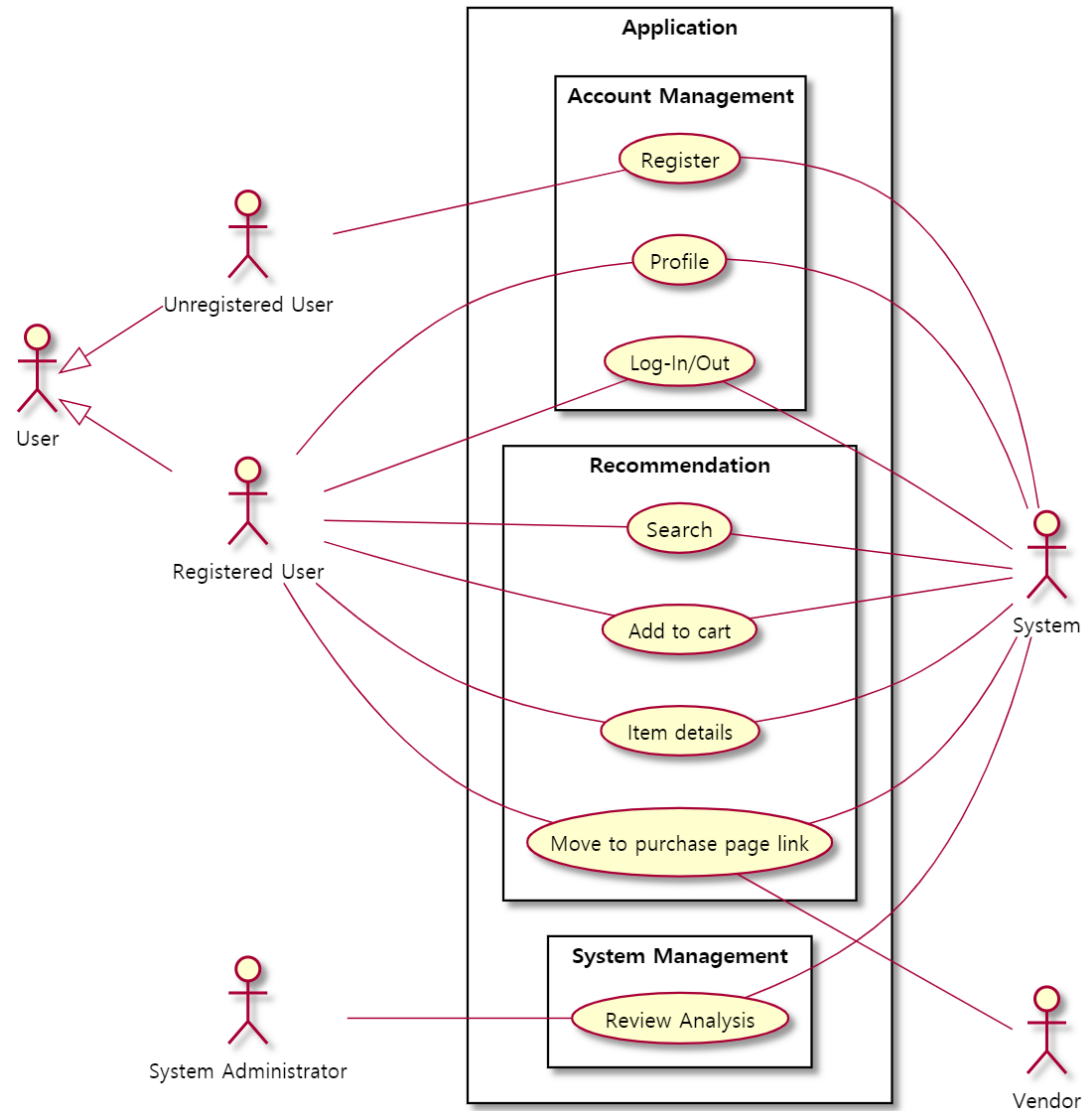Providing a graph visualizing the distribution of practical usage of a device

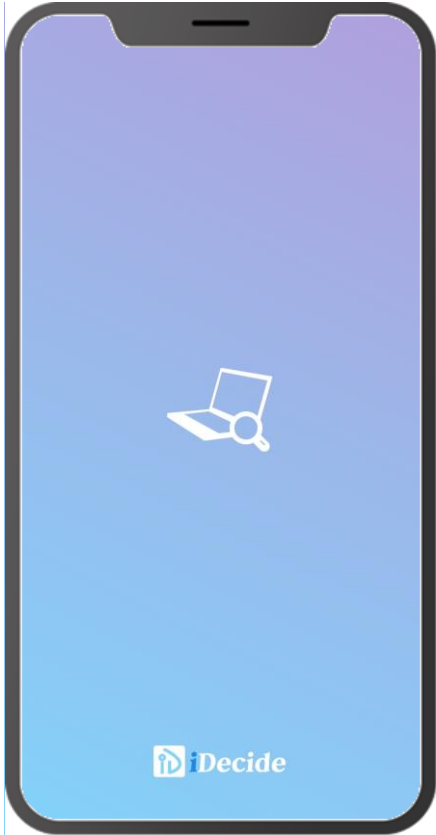Collecting various practical usage and providing it to customers for their further consideration

Informing users the estimated price of recommended options in lowest

Explaining difficult technological terms easily

02 Goals & Methods
Methods – System

02 Goals & Methods
Methods – System

Service

| Recommend device | Intuitive review analysis | Estimate price | Sort by lowest, connect to the vendor |

System

Server

| Recommendation Algorithm | Define Algorithm | Performance comparison by lifestyle | Verification |

| Review analysis | Collect people's reviews | Find important keyword | Visualize |

| Estimate price | Estimating the cost till consumers' current choices | Notify user |

| Connect to the vendor | Sort by lowest | Go directly to the purchase page of the Korean seller |

Tools

02 Goals & Methods
Use Case Diagram

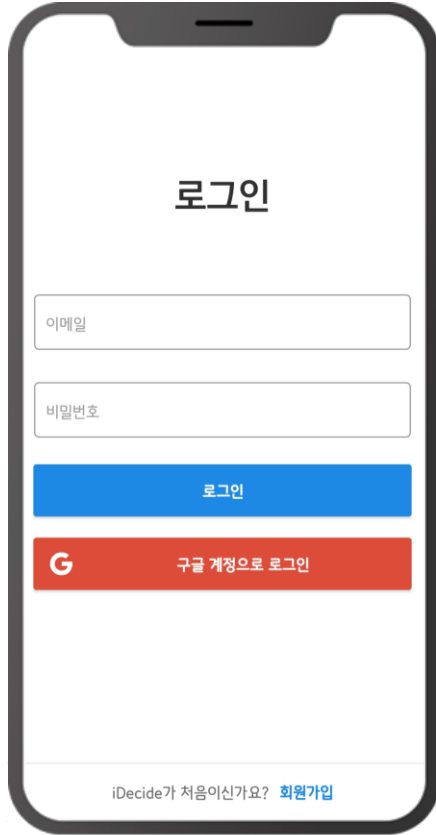**02** Goals & Methods
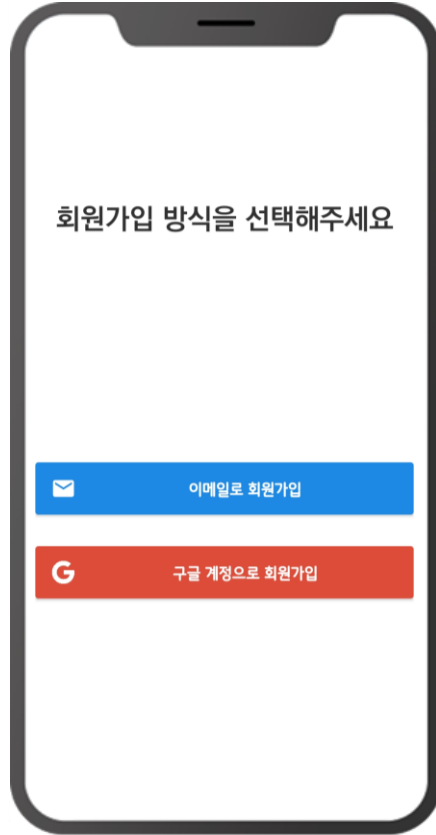**Prototype** – Login & Register

Splash page   Login   Register   Register with email   Set profile after register

02 Goals & Methods
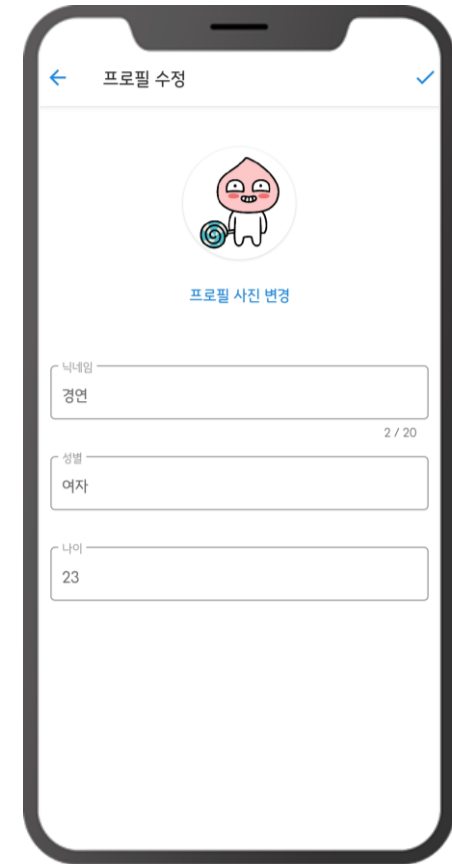## Prototype – Home & Profile
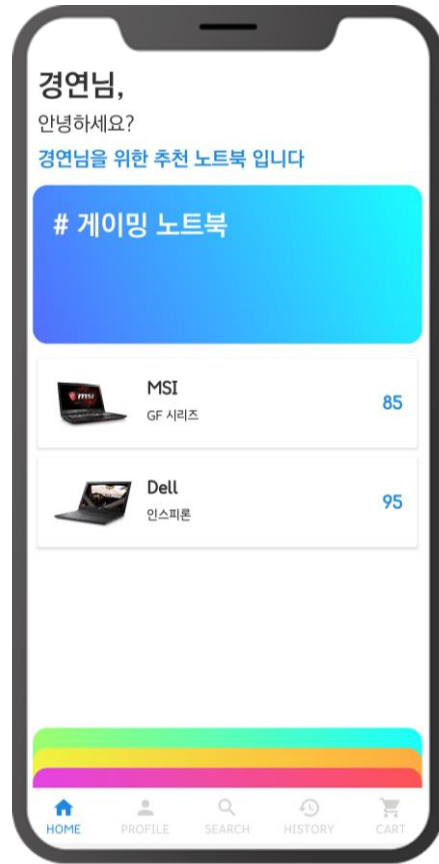
Home page

Home page
(Recommend Laptop)
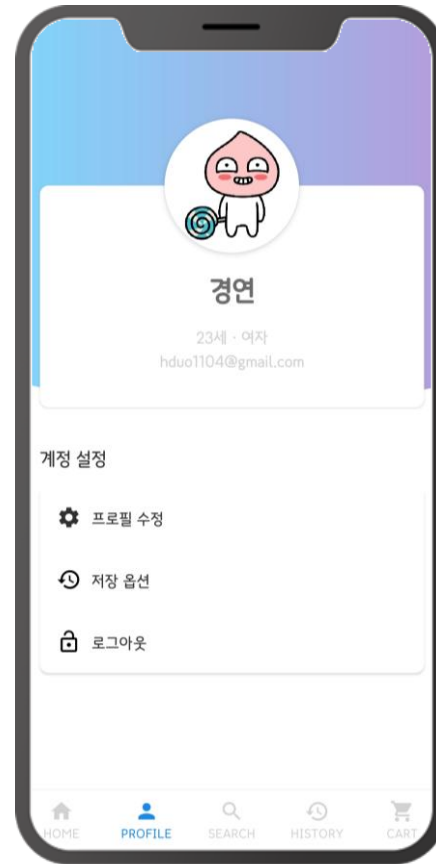
Profile page

Setting profile page

02 Goals & Methods
Prototype – Search & Result
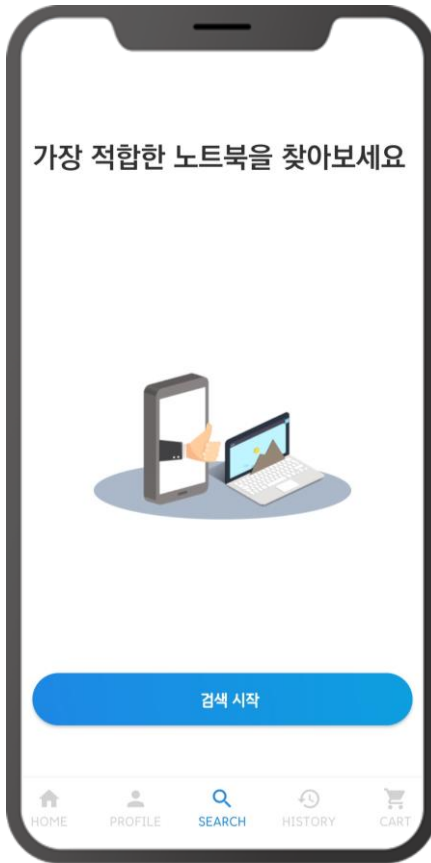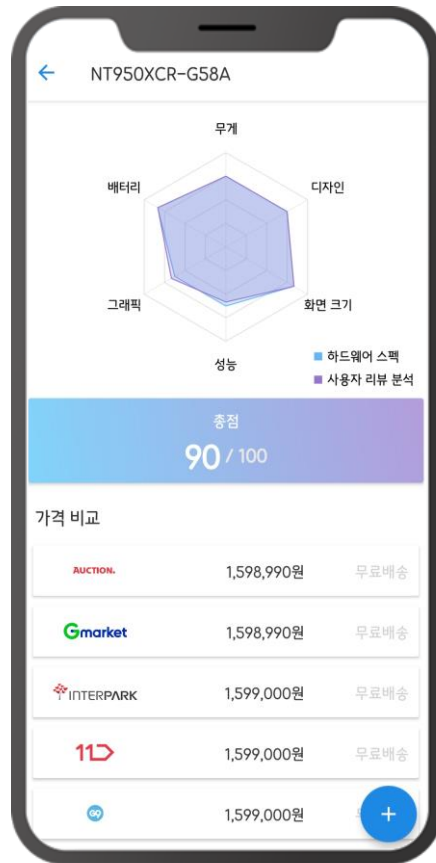

Search start page

One of page that getting
preference from user

Search result page

02 Goals & Methods
Prototype – Item Detail
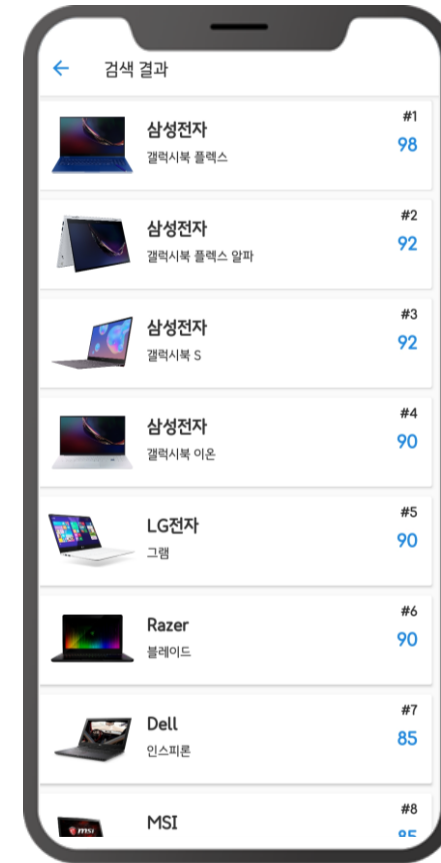
Item detail page

Link to vendor

02 Goals & Methods
Prototype – History & Cart
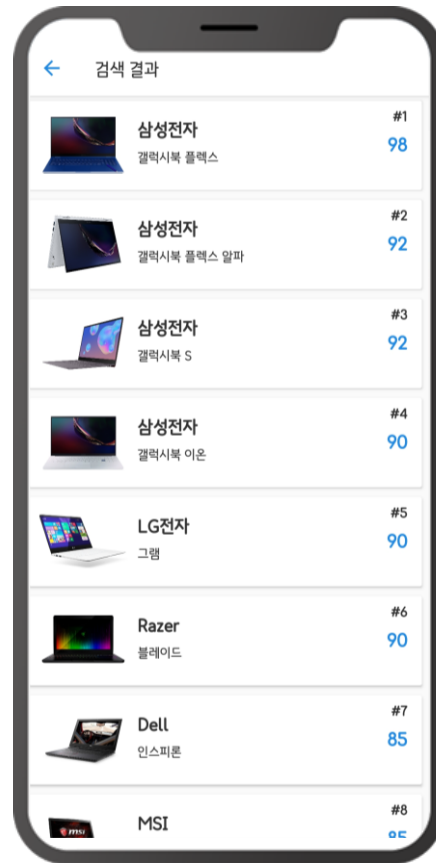
History page

When you click the history
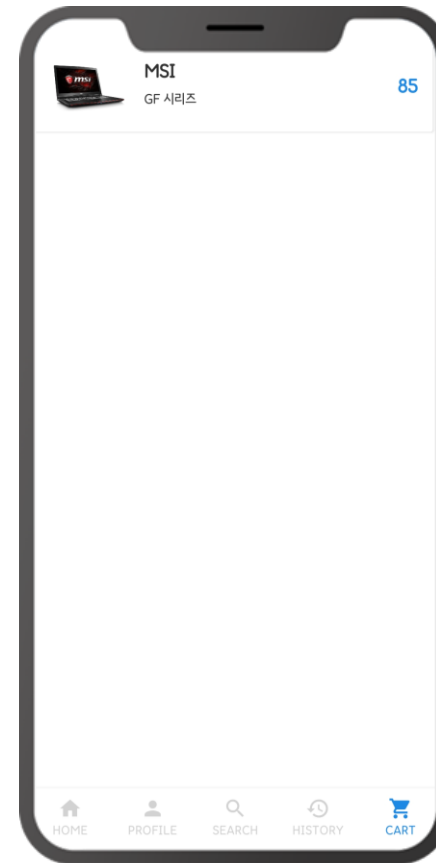
Cart page
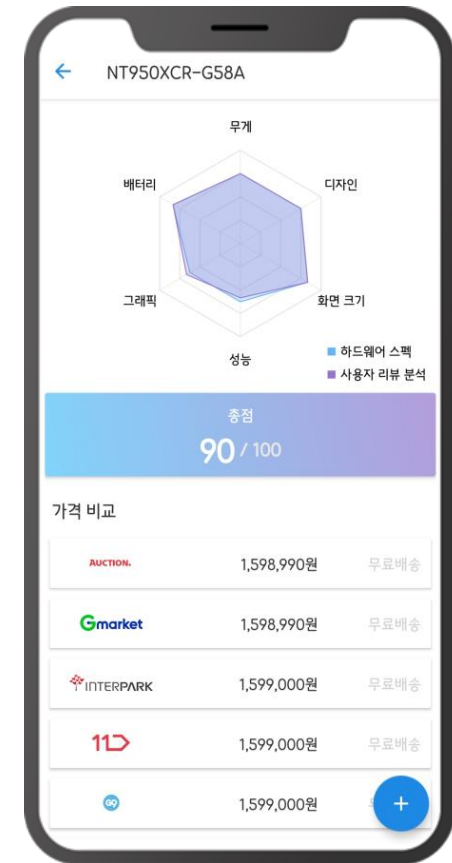
When you click the item

03 Team & Strategy
Role

iDecide

Our App

Design

Sara B.Zaki
· Make start icon of the app

Allan Tazhenov
· Make start icon of the app

Server

Hogi Min
· Make Laptop DB using noteb
· Make email Login, Register Page

Hanwoul Lee
· Make CPU, GPU DB

App develop

Seoungrok Yoon
· Make Home Page structure
· Make Search page structure

Kyungyeon Park
· Develop Login using Google API, Register Page
· Develop Cart, Search Result, Profile Page
· Develop Item Detail Page, Get Preference Page
· Make our app communicate with firebase
· Implement Home Page, Search page
· Make Laptop DB
· Design UI for all page
· Team Leader

03 Team & Strategy
Planning strategy – Planed Schedule

Schedule for Team 1										
#	Contents		Timeline							
			4/20~ 4/26	4/27~ 5/3	5/4~ 5/10	5/11~ 5/17	5/18~ 5/24	5/25~ 5/31	6/1~ 6/7	6/8~ 6/14
1	Requirement Specification		████	████						
2	Design	Architecture			██					
3		Define Class			██					
4	Implement	Component				███				
5		Integration					███			
6	Code Review								██	
7	Testing								██	██
8	Prepare Final Presentation									██

03 Planning strategy – Actual Schedule

Team & Strategy

#	Contents		Timeline							
			4/20~4/26	4/27~5/3	5/4~5/10	5/11~5/17	5/18~5/24	5/25~5/31	6/1~6/7	6/8~6/14
	Schedule for Team 1									
1	Requirement Specification									
2	Design	Architecture								
3		Define Class								
4	Implement	Component								
5		Integration								
6	Code Review									
7	Testing									
8	Prepare Final Presentation									

04
Quantitative Evaluation of Goals

	Quantitative evaluation of goals			
#	Evaluation indicator	Quantative	Importance	Result
1	Accuracy testing to make sure it really recommend the right input	95% ↑	15%	**30%**
2	UI / UX user evaluation	80% ↑	25%	**90%**
3	Search speed	4 sec ↓	10%	**?**
4	Can people understand easily	90% ↑	25%	**90%**
5	Expert verification	90% ↑	25%	**90%**

04 Testing Result & Comments
Detailed Goal

"Get the **Best Laptop** with the **Least Clicks!**"

evaluation
● 80%~
● 40%~79%
● ~40%

Building an algorithm that filter devices according to prioritized that customers consider as important

Comparing multiple devices added in the bucket

Enabling users to easily see other people's review

Providing a graph visualizing the distribution of practical usage of a device

Collecting various practical usage and providing it to customers for their further consideration

Informing users the estimated price of recommended options in lowest

Explaining difficult technological terms easily

04 Testing Result & Comments
Comments

Sara B.Zaki

I worked on parts of the iDecide app user interface.
Throughout the development of this project, from the ideas, to the planning until the very end, I have looked up to our amazing team leader Park.
I have learned a great deal this semester. Thank you.

Kyungyeon Park

It was the hardest class of the four years I took. I found that individual abilities are also important for the team to perform well. Through this team project, I learned a lot, such as writing documents and managing the project.
If the class is to be held next semester, I wish the team formation would be free.

Hogi Min

My part is database management. I made email/password login (not google login).I made web crawler and crawl laptop data from noteb.com. But, our target is koreanand the data I crawled is international laptop, so it is useless anyway OMG! I learned a lot and realized the importance of documentation. I deeply sorry to our teammates and great thanks to our team leader!

Hanwoul Lee

I have worked on DB part. This is a first co-development project, and Co-vid has make a some difficulties, but thanks to great colleagues, we have been able to proceed. Thanks to the our teamates.

Thank You