

김준현 모하메드(대현) 유도영 최지혜 허준범



# DEAListic

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Team #5 Project Proposal

**#01**

Background

**#02**

Project Overview

**#03**

Design Concept

**#04**

Development

**#05**

Features

References

# Background

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#01



## User Reviews

User reviews are **NOT** reliable

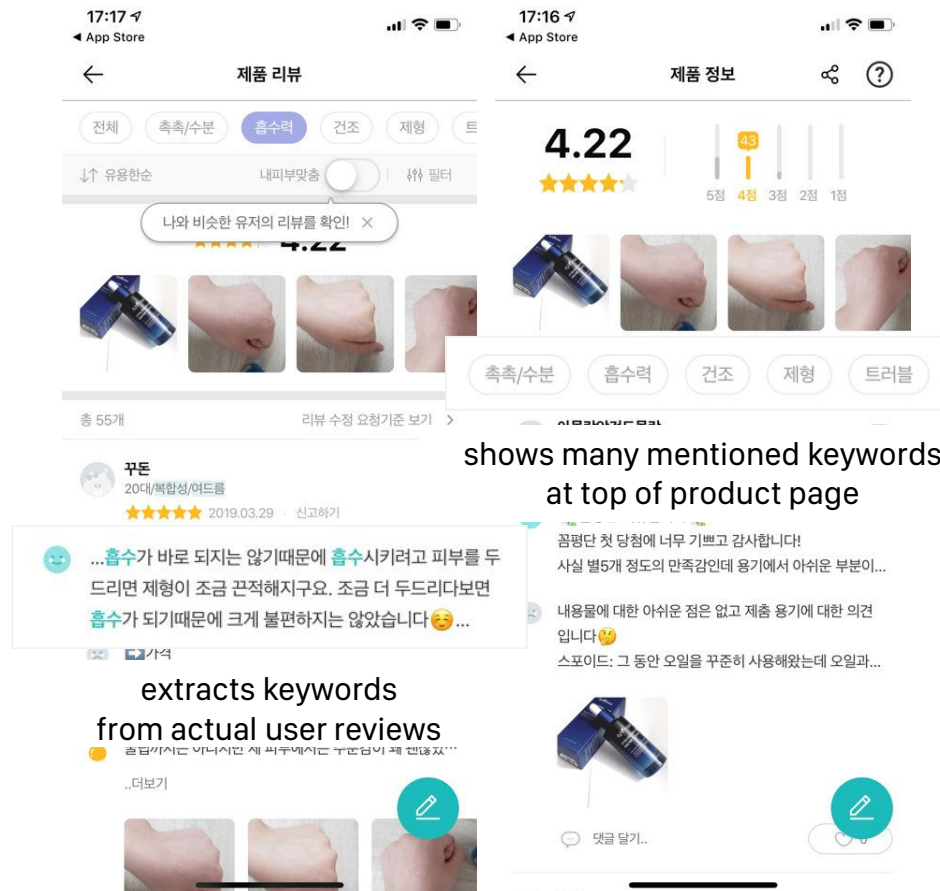
#01  
Background

We need to evaluate products  
**more informatively**

#01  
**Background**

# Case Study:

## 'Hwahae' – Cosmetic App



#01  
Background

# Project Overview

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#02



## Why 'Dealistic'?



## Our Goals

 **Extract**  
meaningful info from reviews

 **Show**  
realistic rating and characteristic

 **Recommend**  
based on user's interest



# Data Mining

:Process of **discovering patterns** in large data sets

<sup>#02</sup>  
**Project Overview**

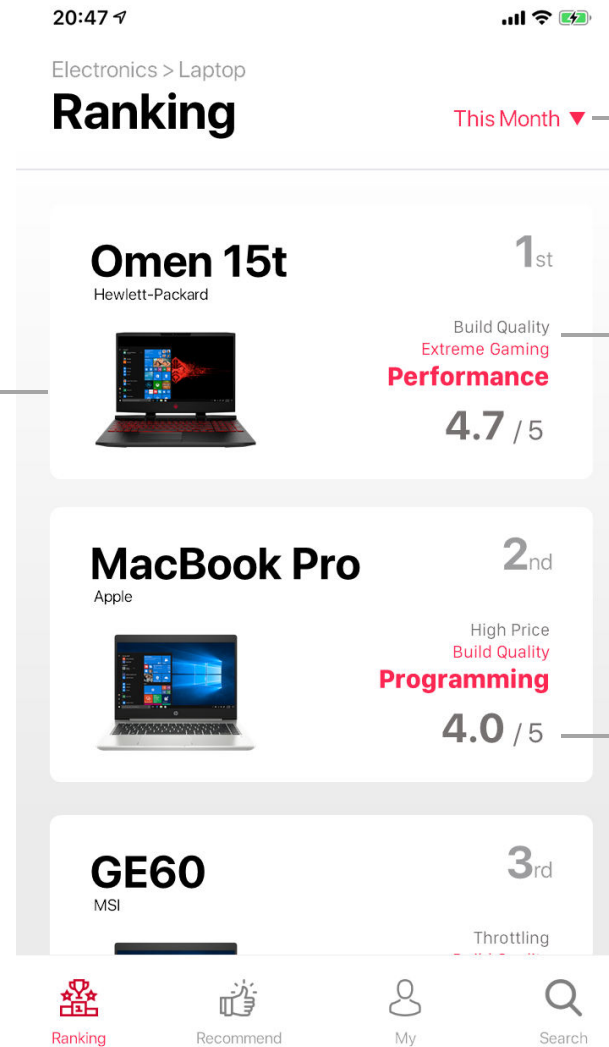
# Design Concept

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#03

# Ranking

Move to detailed view  
If click each entry



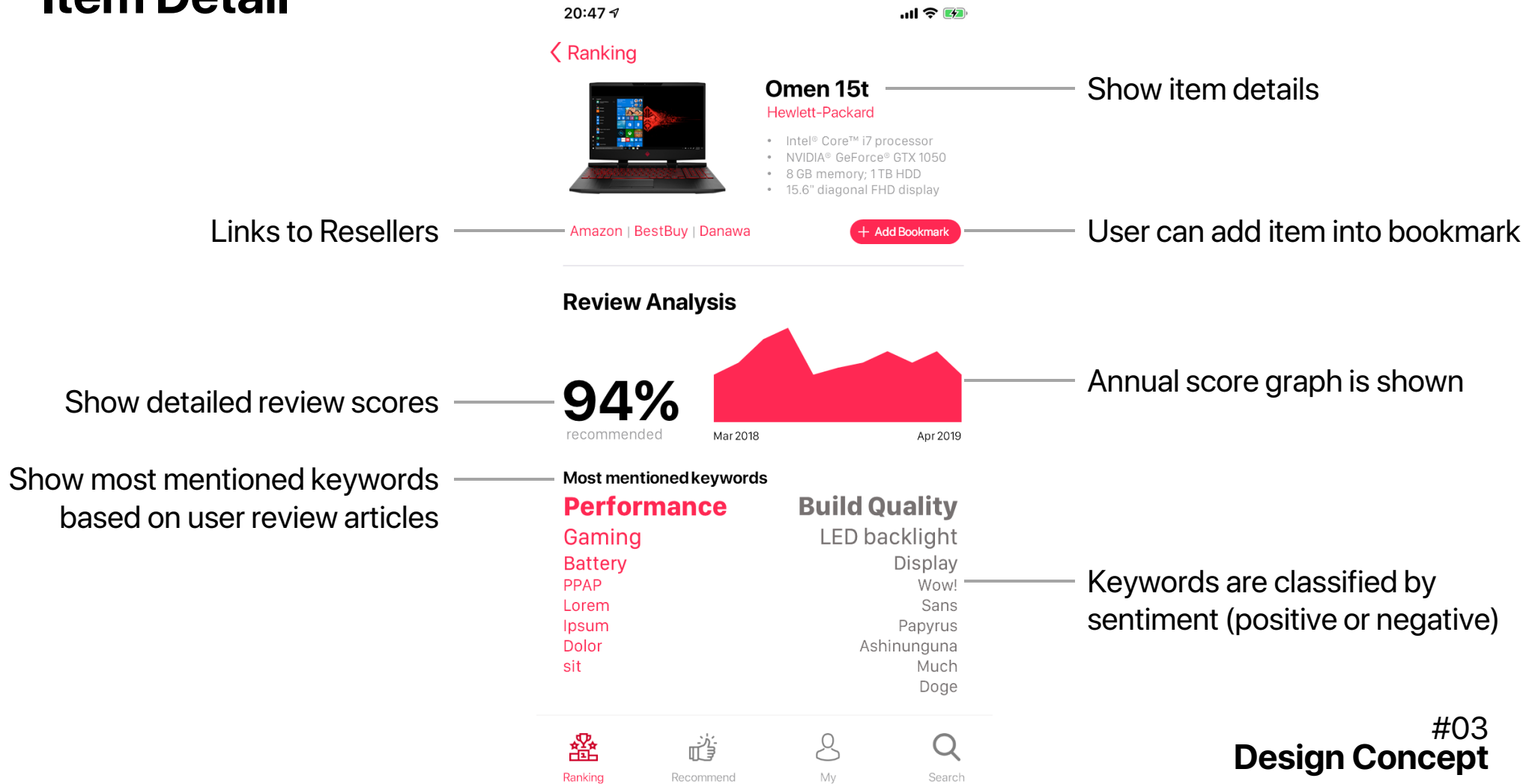
User can change search criteria

Display main keywords  
based on user reviews

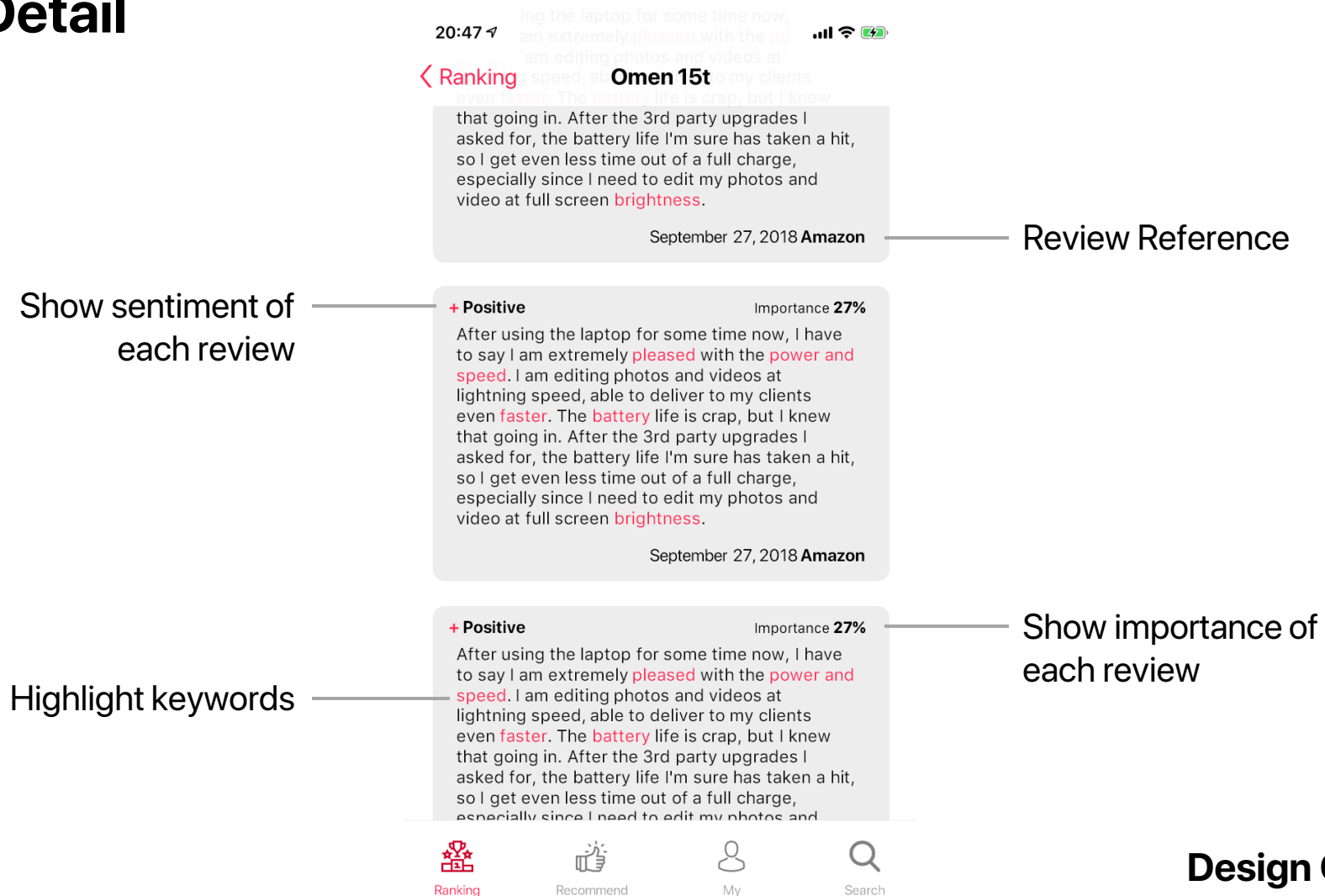
Review scores also shown

#03  
Design Concept

# Item Detail



# Item Detail



# Recommendation

Each interest contains  
several requirements and  
constraints

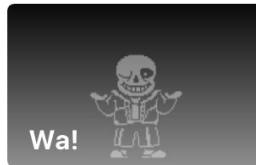
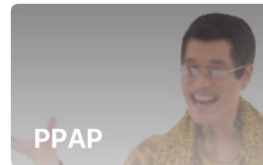
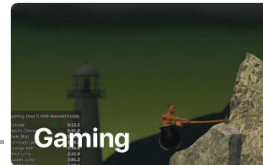
20:47



Electronics > Laptop

## Recommend

What do you want to do with a laptop?



make your own priority

Move to recommendation page  
If click each entry

User can make their own priority  
for recommendation



Ranking



Recommend



My



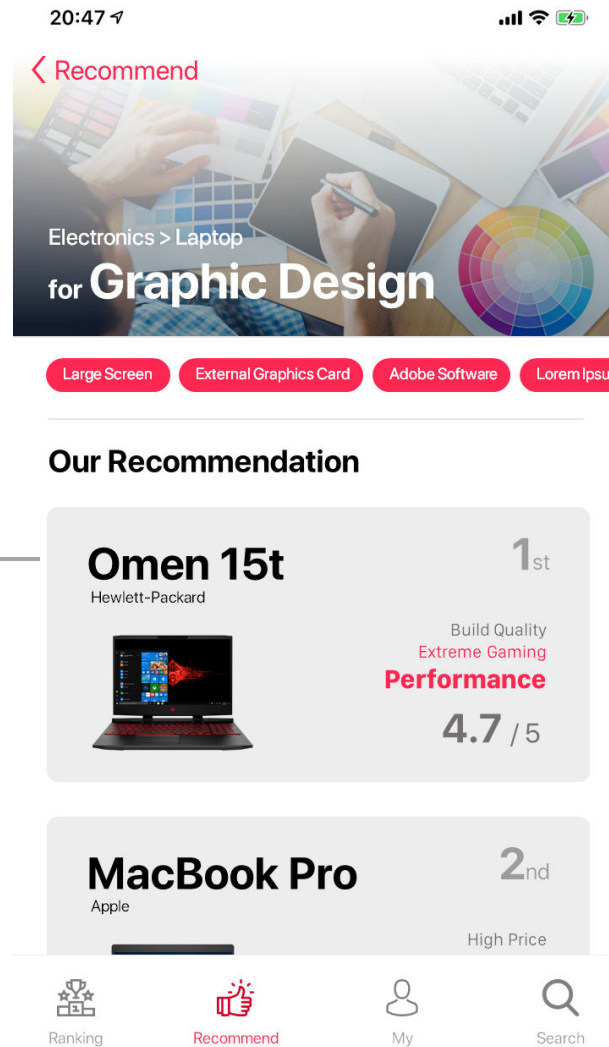
Search

#03  
**Design Concept**



# Recommendation

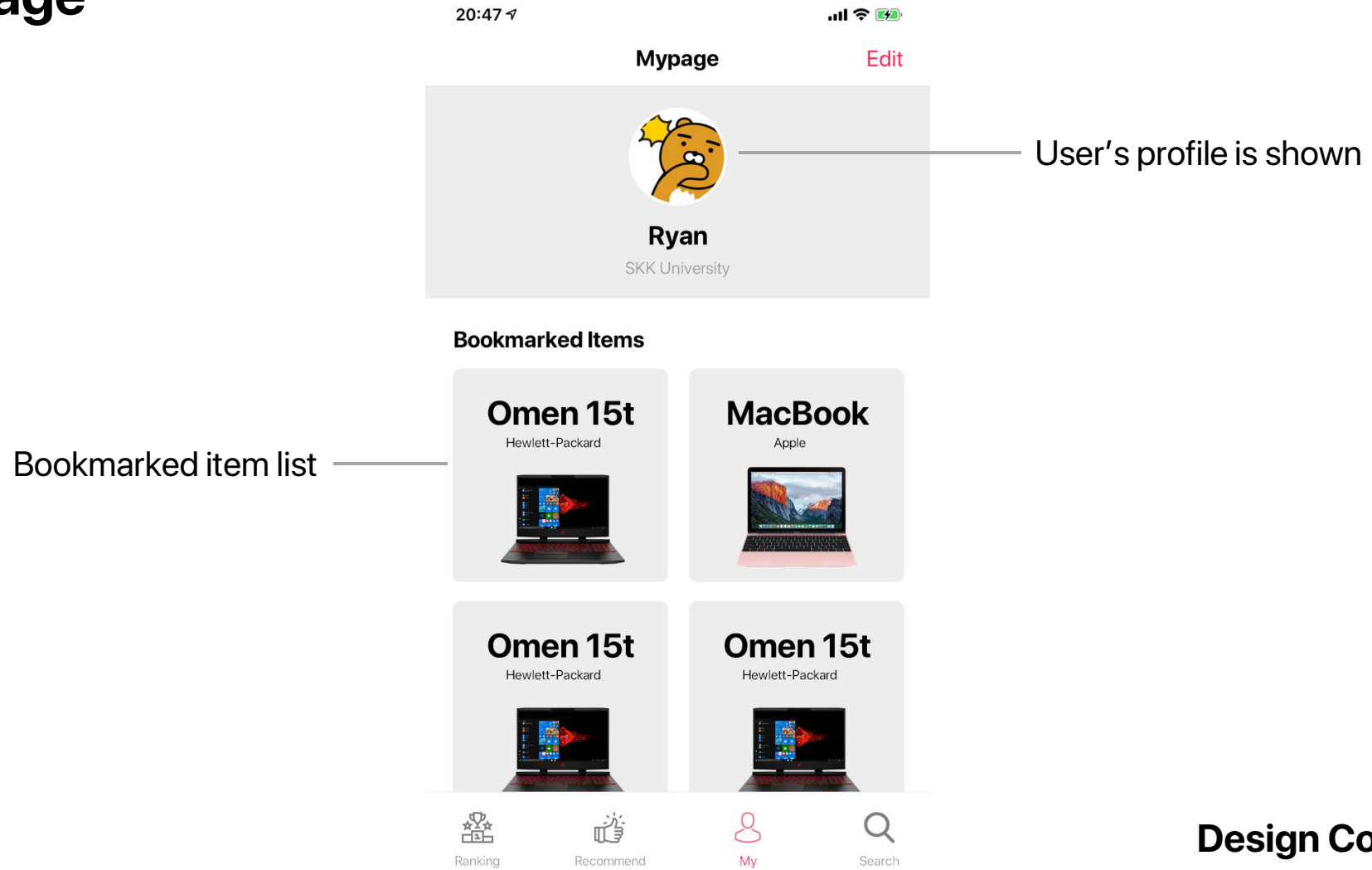
Recommendation shown



Show all requirements and constraints included (swipe to see more)

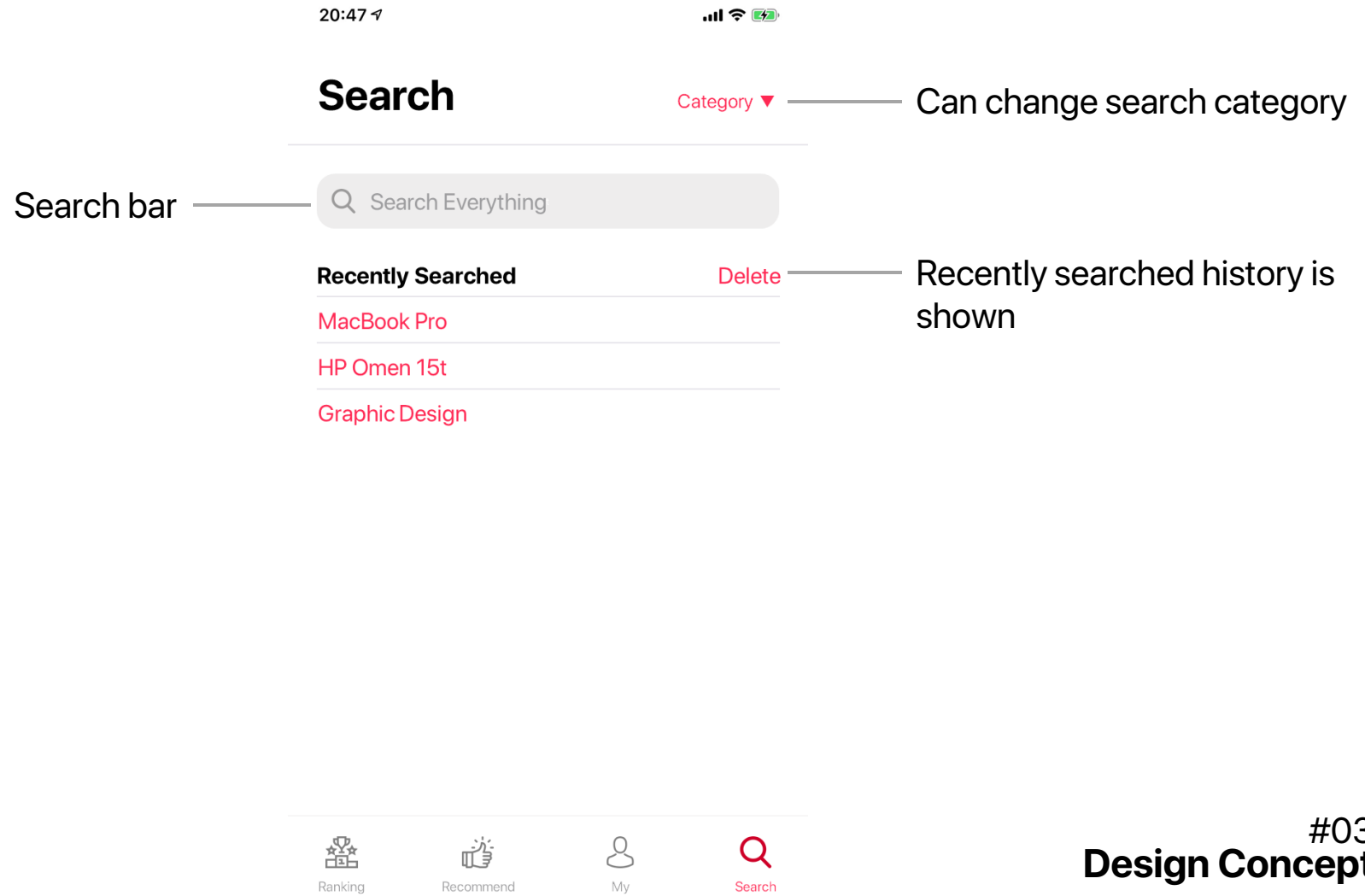
#03  
Design Concept

# Mypage



#03  
Design Concept

# Search

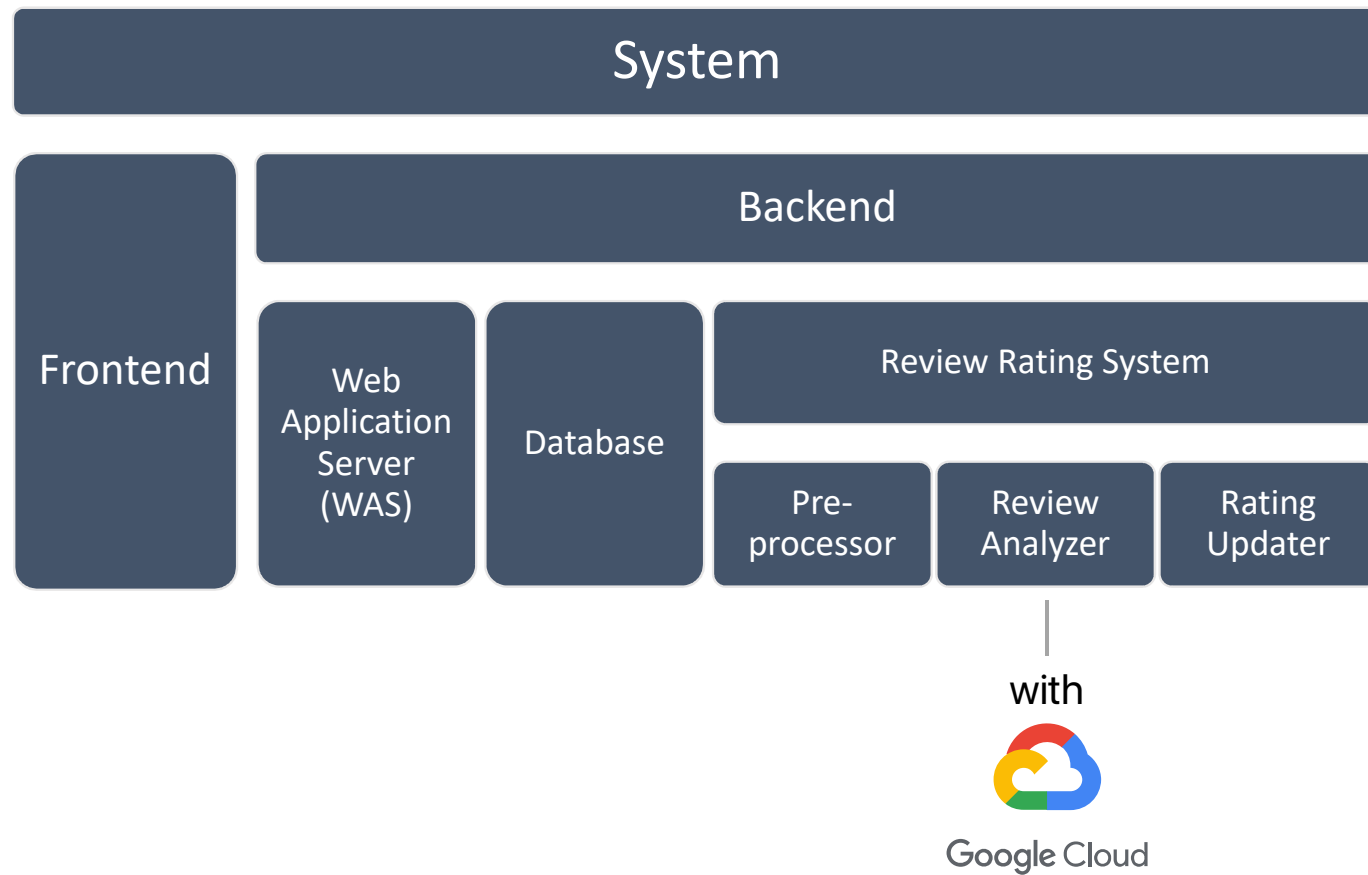


# Development

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#04

# System Structure



#04  
**Development**

# Using Technology

Frontend



Backend

#04  
Development

# Using Technology

Frontend



## PWA

Progressive Web App

No need to install

Fast development



## Vue.js

JavaScript Frontend Framework

Good integration with node.js backend

HTML-like Template

Easy to convert to PWA



## D3.js

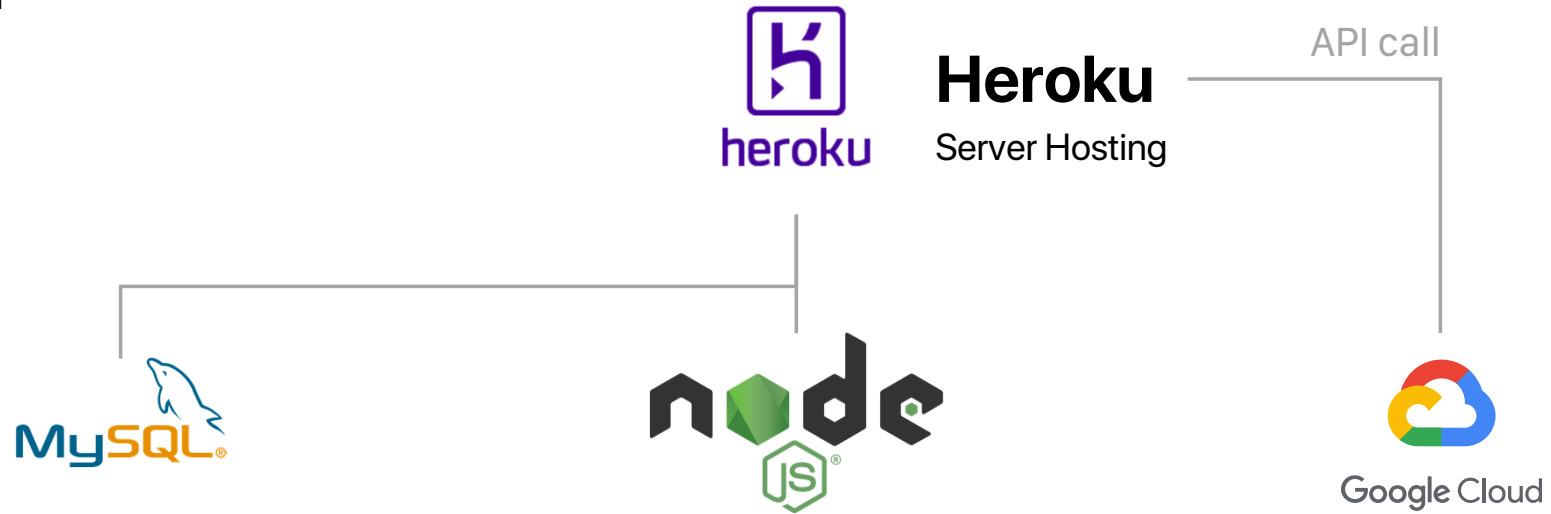
Data Visualization Library

Used for keyword visualization

#04  
**Development**

# Using Technology

Backend



## MySQL

Database Management System

Most common DBMS tool

## Node.js

JavaScript-based  
Server Framework

Lightweight

Good developer ecosystem

## Google Cloud

Natural Language API

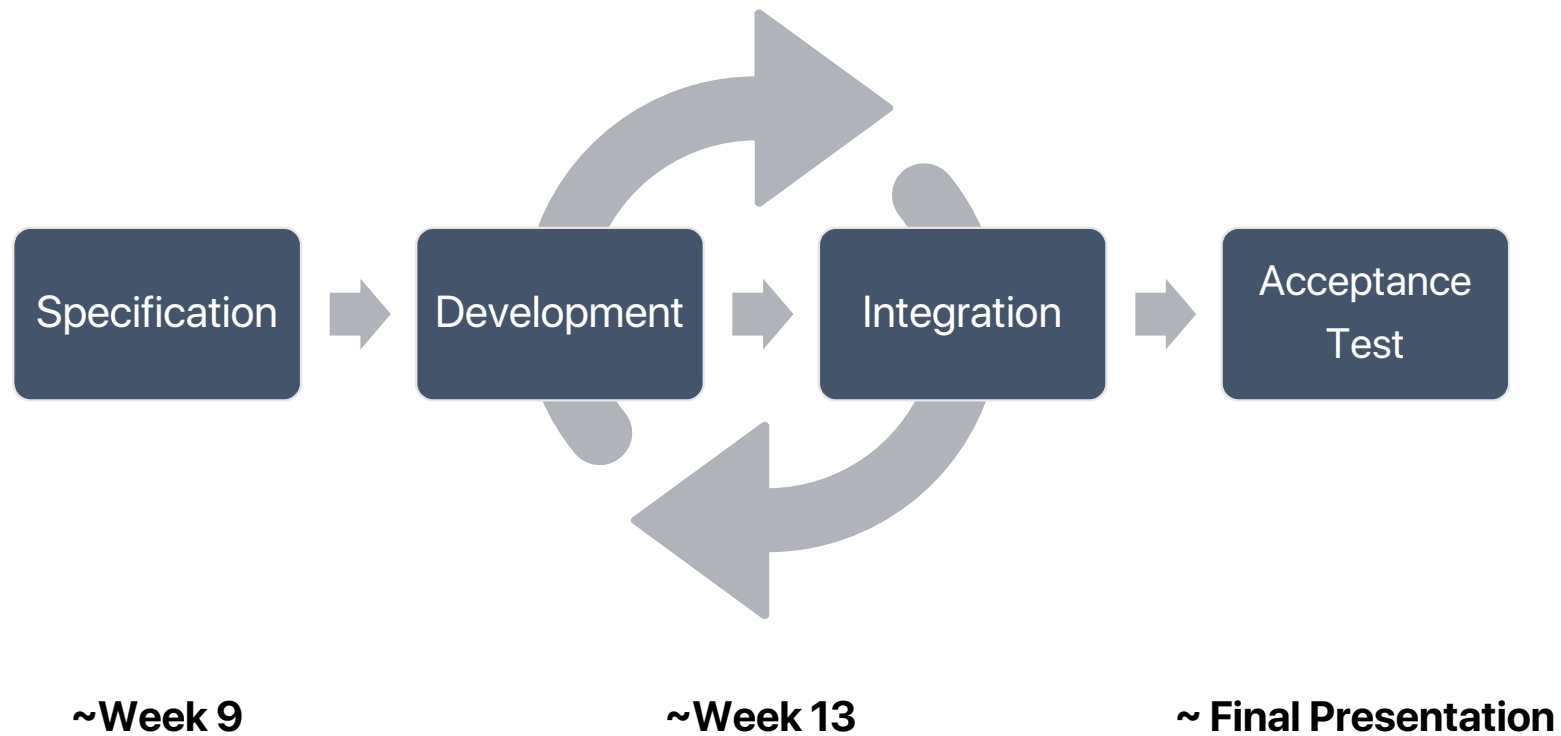
Used for keyword analyzation

#04  
**Development**



# Development Schedule

Based on incremental model



# Effects and Benefits

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#05

# Benefits



## Unbiased & Precise review

based on  
weightage of the **sentence structure**  
existence of **keywords**

# Benefits



## Help decision

what to buy or not

# Reference

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<https://www.flaticon.com/>

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<https://d3js.org/>

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<https://nodejs.org/ko/>

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<https://www.mysql.com/>

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<https://www.heroku.com/>

# Thank you

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Q&A