

# *Final Presentations*

Capstone Design Project



**TEAM B**

**2021.11.23**

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- Objective
- Motivation

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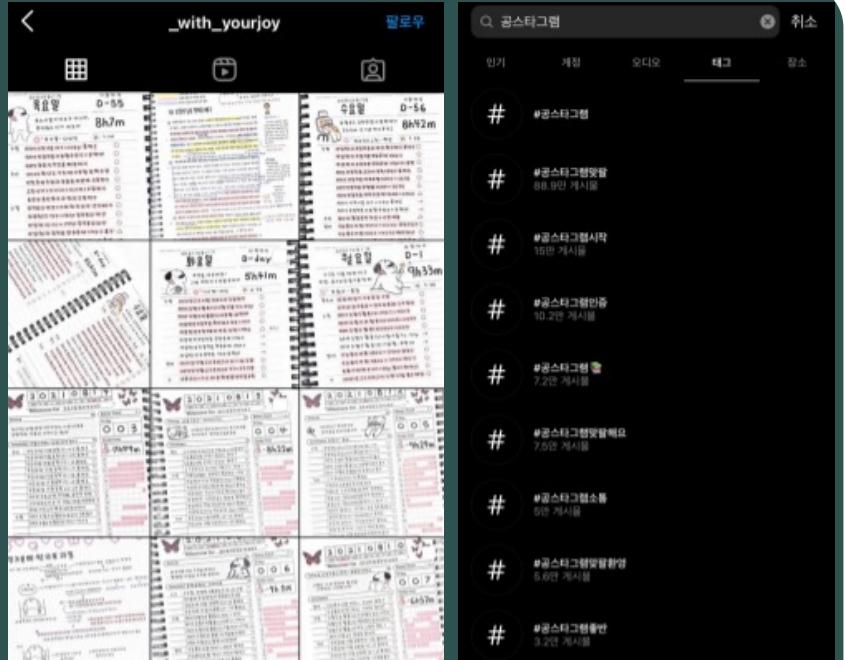
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# Project Overview

## <Motivation>



Many people use 공스타그램 as driving force to keep their plans and goals

코로나19가 바꾼 대학가, 시험기간 앞두고 비대면 스터디

코로나19 확산으로 대면 모임이 어려워지자 비대면 스터디 모임인 '캡스터디(카메라+스터디)'에 나서는 학생들이 늘고 있다.

응답자의 92.8%가 주로 집에서 이용한다고 답했다. 응답자의 78.2%가 20대다. 스터디 인원은 8명(22.5%)이 가장 많다. 이들은 함께 공부할 수 있고(36%), 서로에게 자극이 되기 때문에(24%) 앱을 사용한다고 했고, 공부시간(63%)이 늘거나 집중력(18%)이 올라 효과를 봤다고 답했다.

9시 카톡 기상스터디 모집

일시 : 월요일~토요일

시간 : 아침 9시

보증금 : 1만원

별금 : 지각, 결석 구분 없이 9시 1분 0초부터 2천원(9시0분59초 까톡 업로드까지 인정)

▶ 스터디카페 열람실 중도 카페 등 집이 아닌 곳(현재 코로나가 때문에 미술에 한해 집집 인증 가능)

▶ 별금(보증금 외)  
9:01~9:10 1,000  
9:11~9:30 2,000  
이후 결석처벌 3,000

The popularity of non face to face group study is increased due to the prolonged CORONA 19 crisis

# *Project Overview*

<Objective>

Group Study

공스타그램

Driving force  
to keep their plan



Making a Platform that  
user can share their plans  
and goals with others

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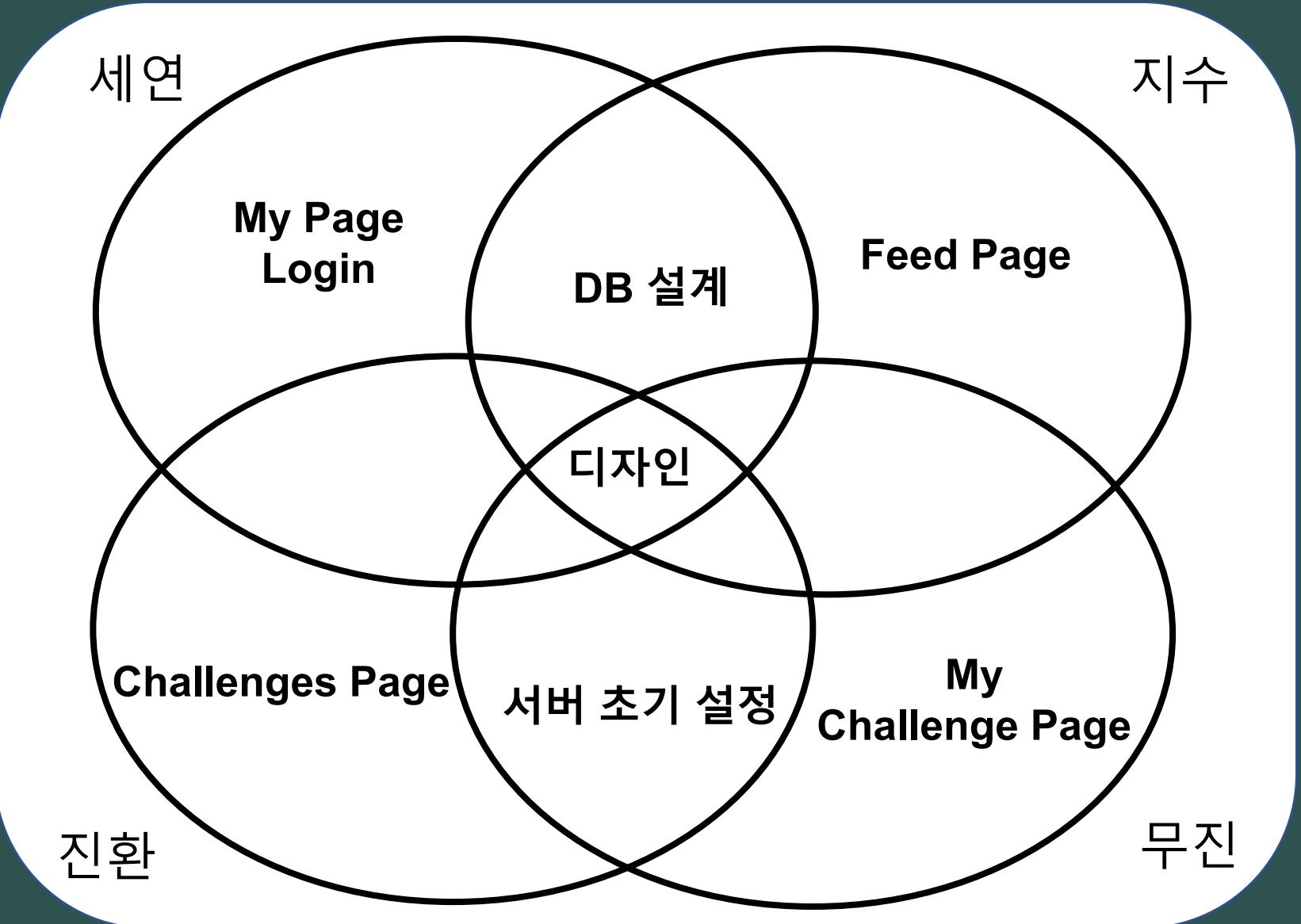
# *Project Progress*



	14 September 2021	21 September 2021	28 September 2021	5 October 2021	12 October 2021	19 October 2021	26 October 2021	2 November 2021	9 November 2021	16 November 2021	23 November 2021	30 November 2021	7 December 2021	
Idea Search														
Reification of Idea														
Design														
Git														
Front - End														
DB Design														
Link Server and Front End														

- Progress Chart is shown as follows
- We had online or offline meeting on every Tuesday

# *Roll of Each Member*



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# *Library & Tool*

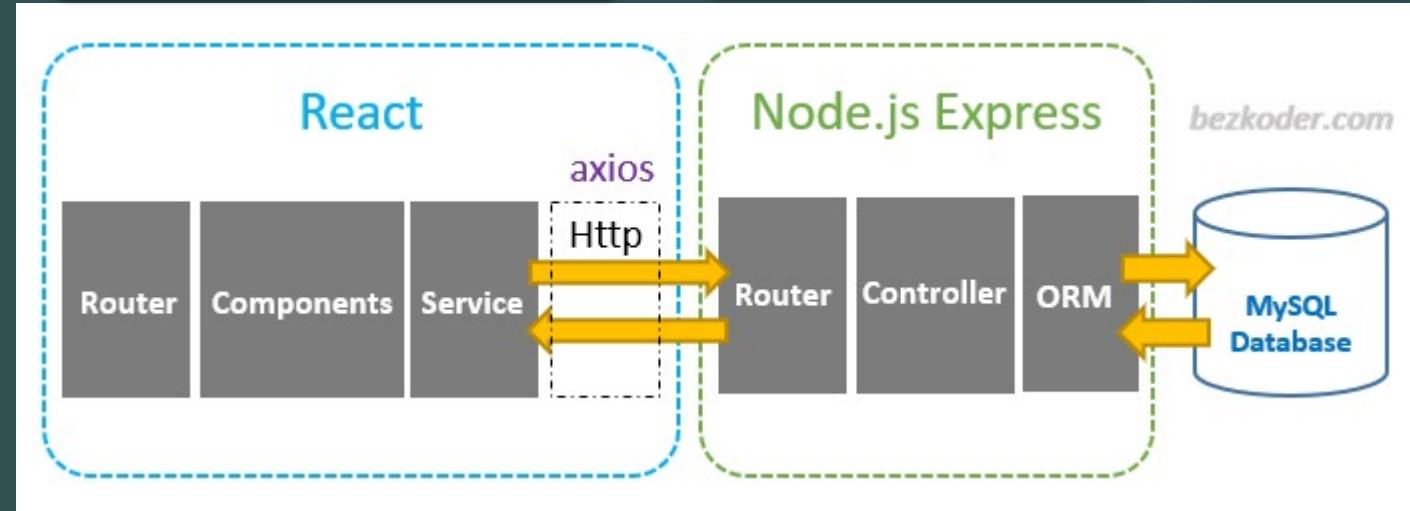
Design



Front End

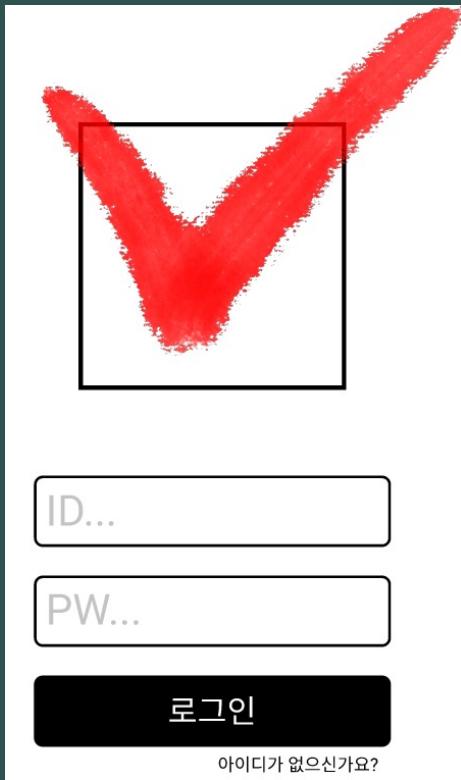
Server

DB

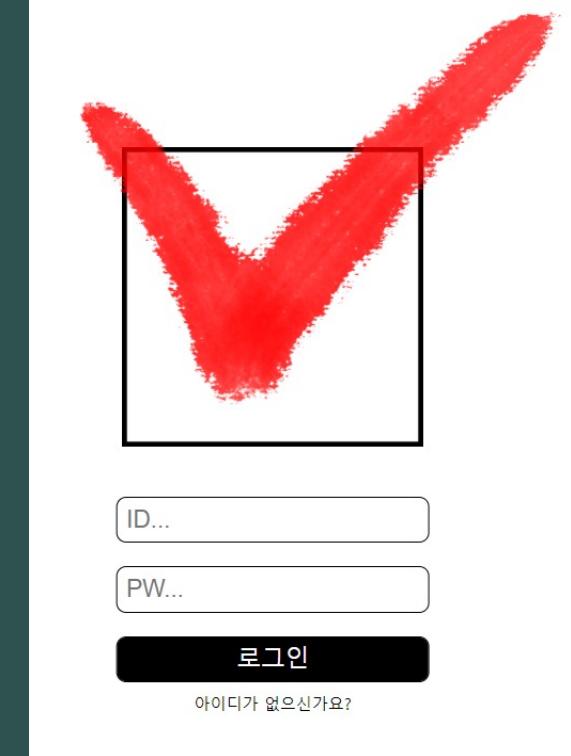


# *Design & Implementation*

Figma



Implementation



# *Design & Implementation*

Figma

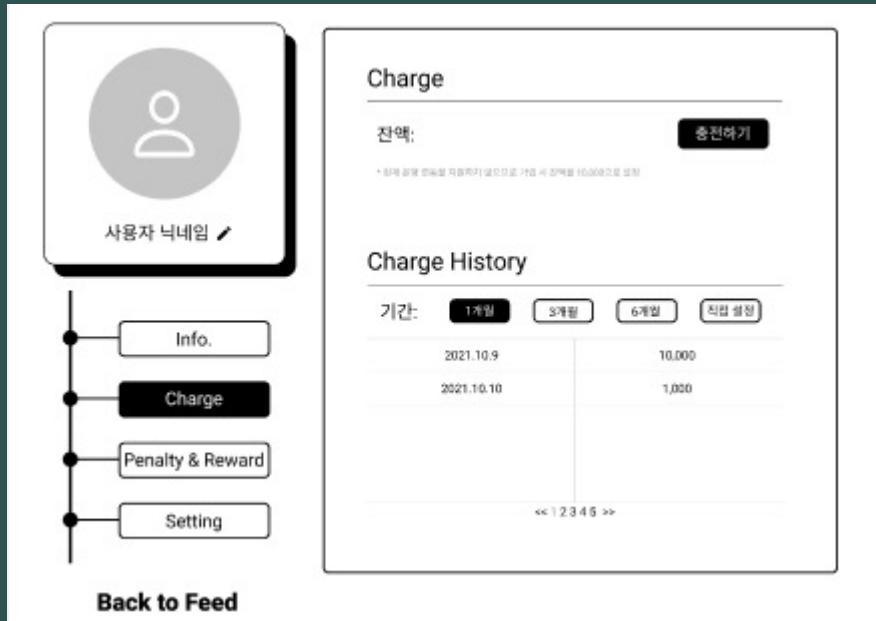
A Figma wireframe showing the 'Info' section of a user profile. It includes fields for Name, Birthdate, Phone number, and Email, each with a placeholder line. Below these is a 'Photo' section featuring a placeholder image of a person wearing a mask and giving a thumbs-up. At the bottom are buttons for '회원 탈퇴' (Logout) and '수정 완료' (Update Complete). To the left, a sidebar lists 'Info.', 'Charge', 'Penalty & Reward', and 'Setting'.

Implementation

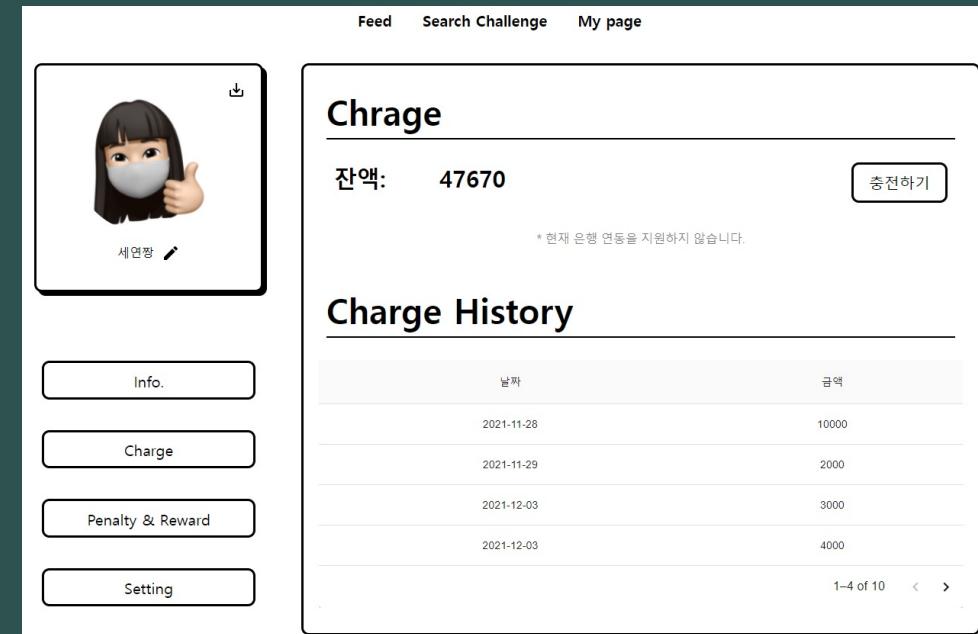
A screenshot of the implemented user profile edit screen. The 'Info' section now contains real data: Name (박세연), Birthdate (1997-04-04), Phone number (01000000000), and Email (seyeon9704@gmail.com). A '저장하기' (Save) button is visible at the bottom right. The top navigation bar includes 'Feed', 'Search Challenge', and 'My page'. The sidebar on the left remains the same as the Figma version.

# *Design & Implementation*

Figma

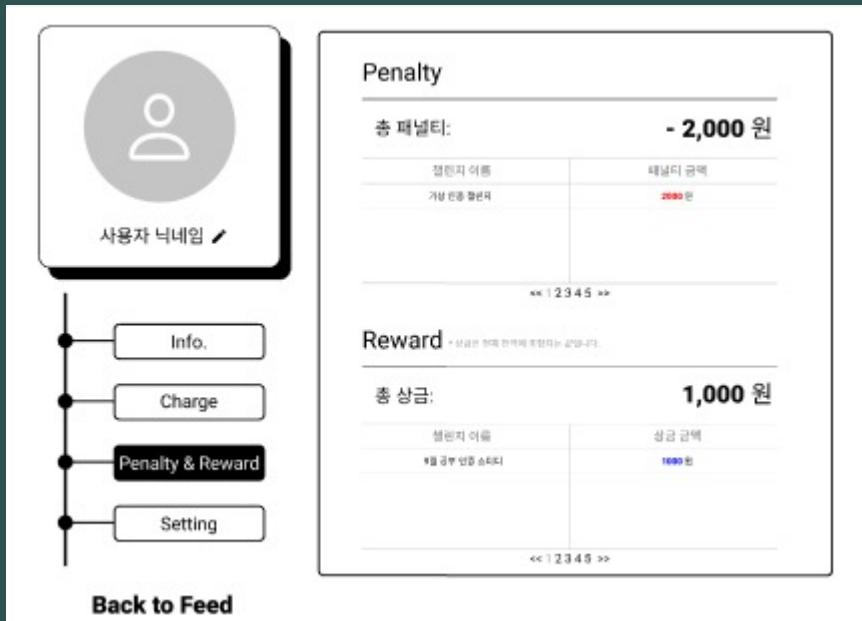


Implementation

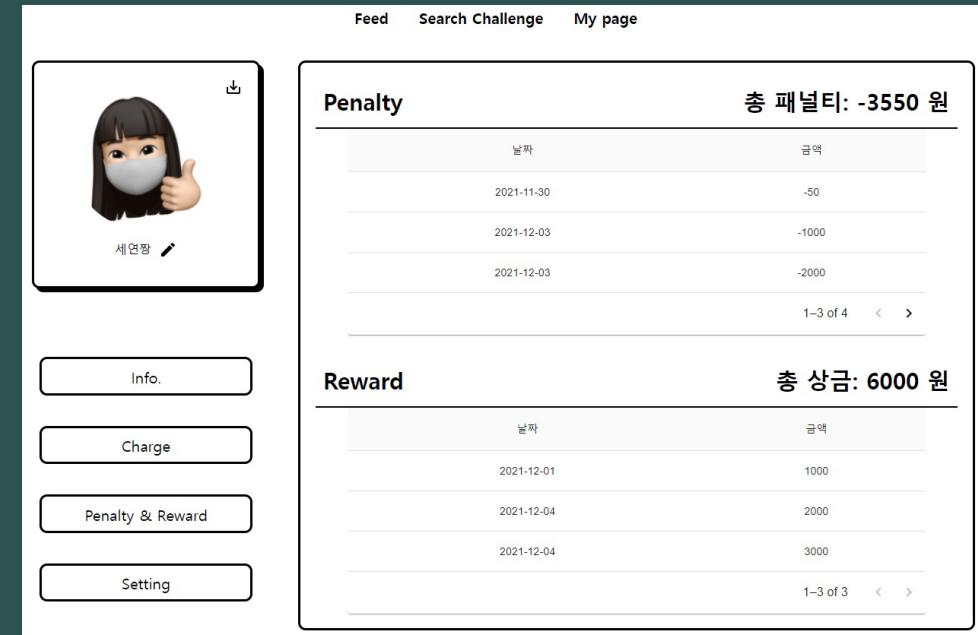


# *Design & Implementation*

Figma

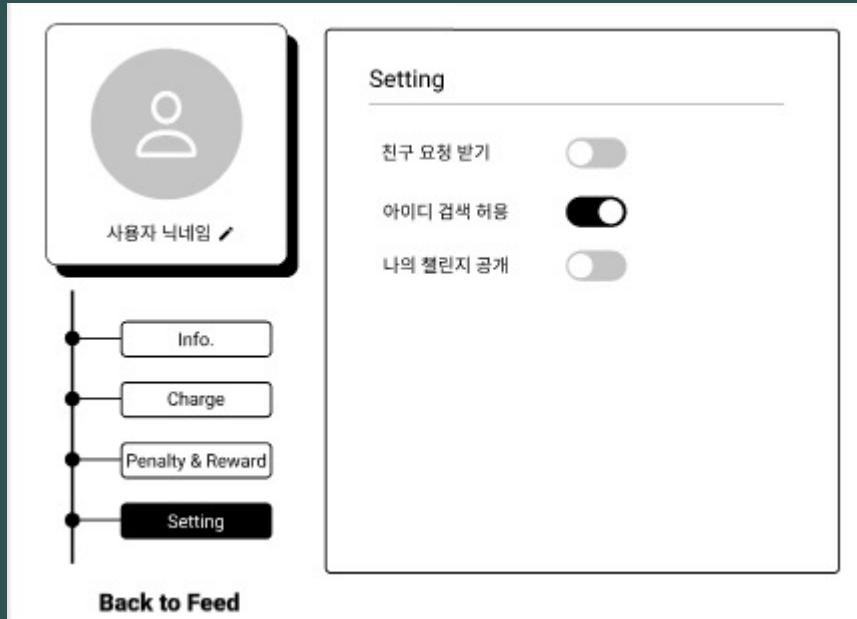


Implementation

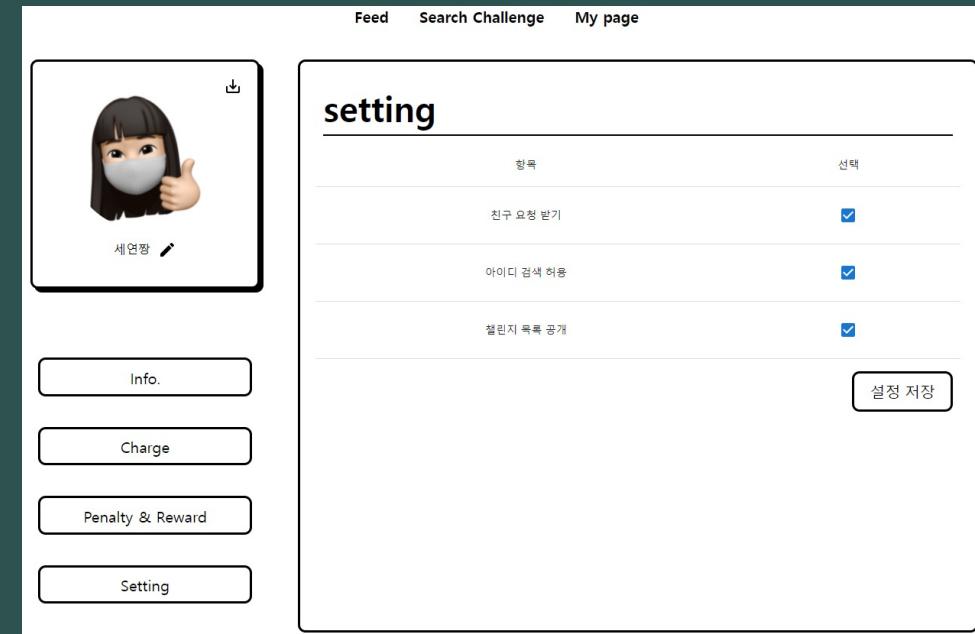


# *Design & Implementation*

Figma



Implementation



# *Design & Implementation*

Figma

< Feed

My Challenge

- Wake-up Early
- Wake-up Early
- Wake-up Early

Hot Challenge

- Name : Algorithm Study Date : 2021-09 ~ 2021-12 People : 0/10 Point : 10pt
- Name : Algorithm Study Date : 2021-09 ~ 2021-12 People : 0/10 Point : 10pt
- Name : Algorithm Study Date : 2021-09 ~ 2021-12 People : 0/10 Point : 10pt

Challenges

- Study
- Workout
- Routine
- Project

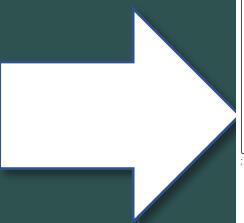
- Algorithm Study (10pt)
- Operation System Study (10pt)
- ML Study(10pt)
- Computer System Study(10pt)
- Node.js Study(10pt)

Studi 생성하기

← →

← →

<< 1 2 3 4 5 >>



Implementation

Feed My Challenge Search Challenge My page + AddChallenge

My Challenges Hot Challenges

Study Date : 2021-11-30 ~ 2021-12-30 People : 0/10 Point : 10pt

react Study Date : 2021-11-30 ~ 2021-12-30 People : 2/10 Point : 30

MiracleMorning Date : 2021-11-30 ~ 2021-12-15 People : 2/10 Point : 100

MacOS Study Date : 2021-12-01 ~ 2022-12-01 People : 1/5 Point : 10

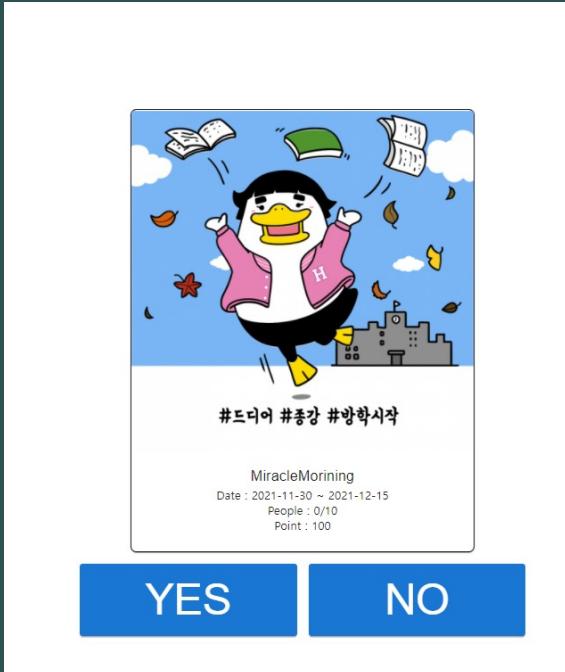
Looking for a chanllenge members

STUDY	Challenge Name	Start Date	End Date
WORKOUT		2021-11-30	2021-12-30
ROUTINE			
PROJECT			

spring Study Date : 2021-11-30 ~ 2021-12-30 People : 1/5 Point : 100

# *Design & Implementation*

## Implementation

A screenshot of a study project creation form. It features a placeholder image for a file, a message in Korean ("파일 선택 선택된 파일 없음"), and four tabs at the top: STUDY (selected), WORKOUT, ROUTINE, and PROJECT. Below the tabs are several input fields: "Name", "Start Date (YYYY-MM-DD)", "End Date (YYYY-MM-DD)", "Number of participants", "Entry fee", and "Upload". A "Close" button is at the bottom right.

# Design & Implementation

Figma

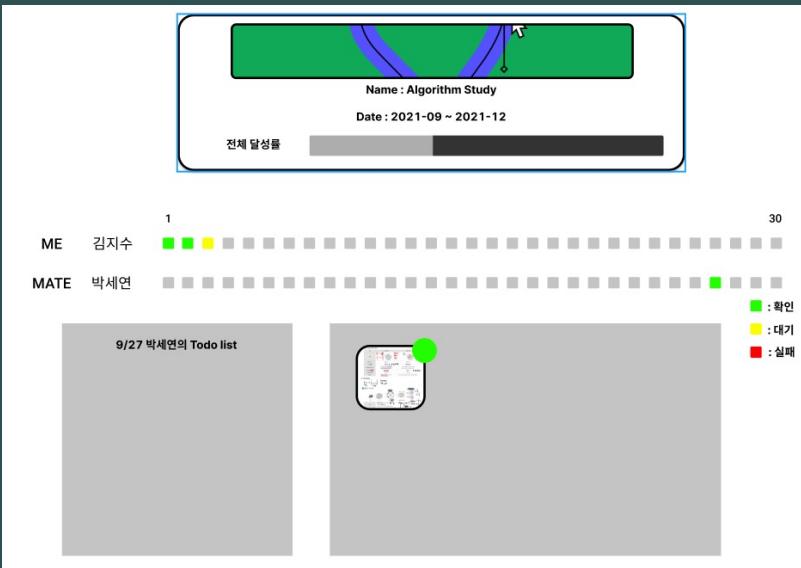
The Figma wireframe displays a daily dashboard interface. At the top left are three small circular icons. Below them is a title "김지수" and a subtitle "2021년 10월". A weekly calendar for October 2021 is shown, with the 8th highlighted. To the right of the calendar are two main sections: "Todo" and "Challenge". The "Todo" section shows a list for "10월 8일" with one item checked off: "Task completed". There are four additional items with radio buttons: "%D to duplicate". The "Challenge" section contains three cards, each with a blue heart icon and the text "Wake-up Early". A large blue plus sign is located at the bottom center of the dashboard.

Implementation

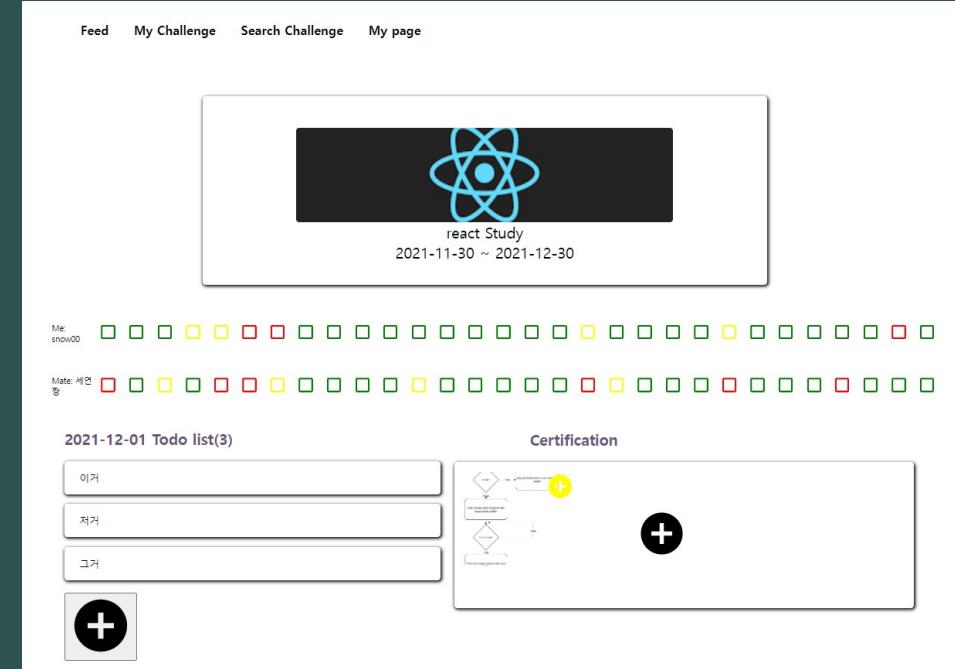
The implementation screenshot shows a web application interface. At the top, there is a navigation bar with "Feed", "Search Challenge", and "My page". Below it, a user profile icon is visible. The main area has a title "지수123". On the left, there is a "Todo" section with a list of tasks: "1211" (checked), "캡스톤 강의 듣기" (unchecked), and "토익 공부하기" (unchecked). On the right, there is a "Challenge" section featuring a "spring" logo and the text "Study Date : 2021-11-29 ~ 2021-12-29". In the center, there is a calendar for December 2021, with the 11th circled. Below the calendar are three small images: a person sitting on a bench, a view of a glass-enclosed conservatory, and a person wearing a mask. At the bottom, there is a "comments" section and a note "파일 선택 선택된 파일 없음".

# *Design & Implementation*

Figma



Implementation



# *Design & Implementation*

## Implementation

Winner



Loser



# *Implementation - API List*

login

Friendtodolist

photolist

upLoadChallenge

info

feed

savecomment

todo

enrollChallenge

getChallengeList

friendpage

todolist

delete

getMyChallengeList

saveInfo

friends

upload

check

HotgetChallengeList

nickname

# *Implementation - API List*

saveNickname

challenge\_todo

charge

setting

savePhoto

certupload

chargeMoney

saveSetting

challenge\_ing

ctodouload

penalty

challenge\_mate

challenge\_info

challenge\_ing\_img

rewards

cert

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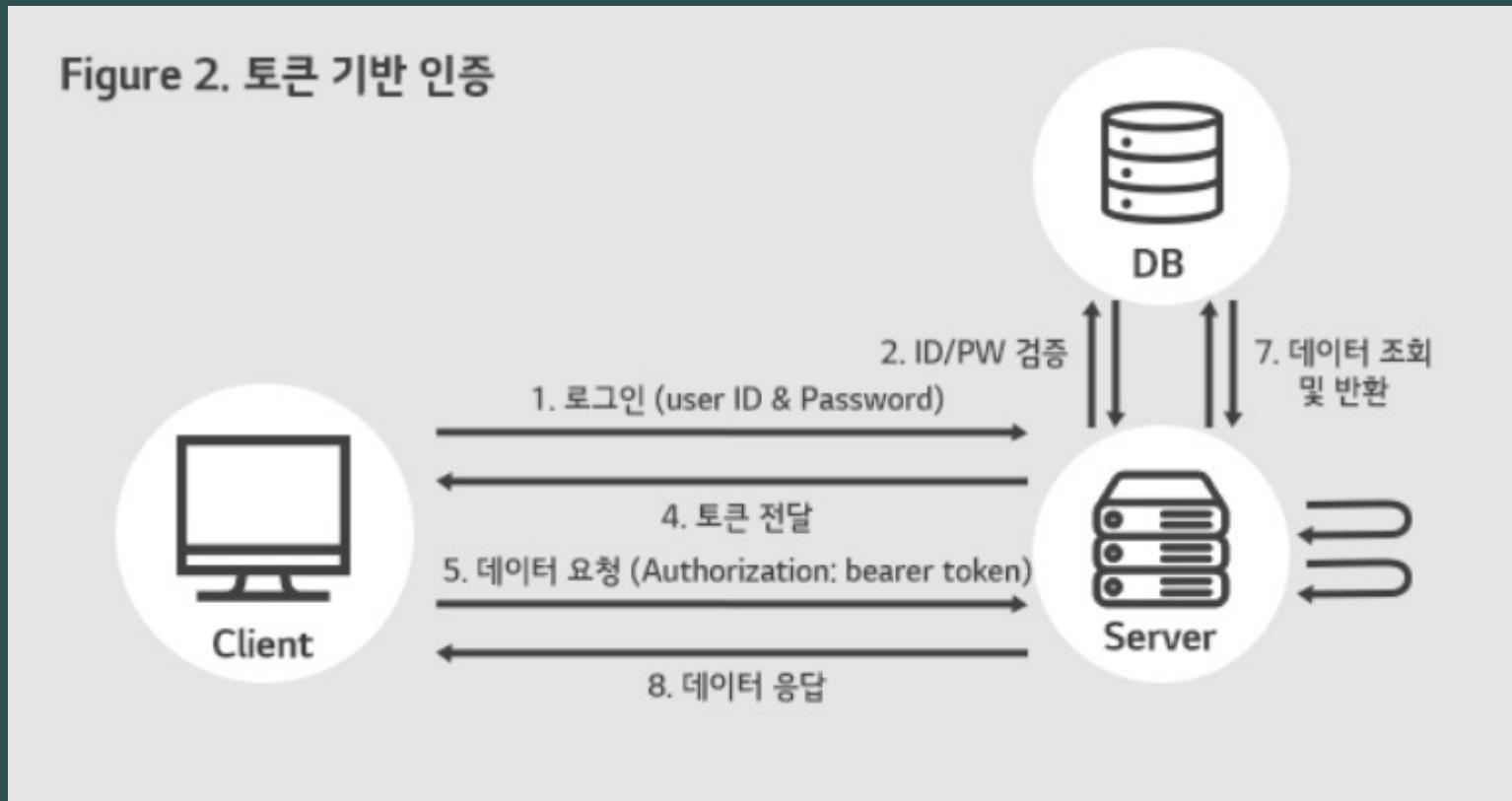
**06**

Demo Video

# *Challenges*

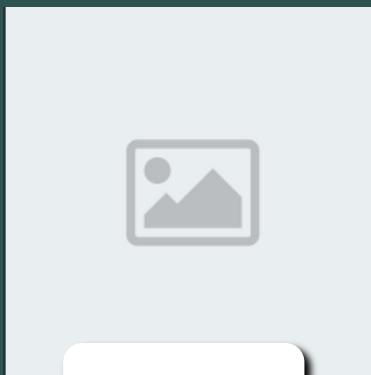
How to safely verify current user?

Figure 2. 토큰 기반 인증

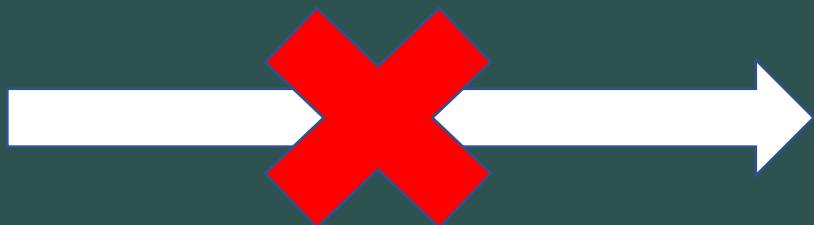


# *Challenges*

How to save Image file in Server?



Image



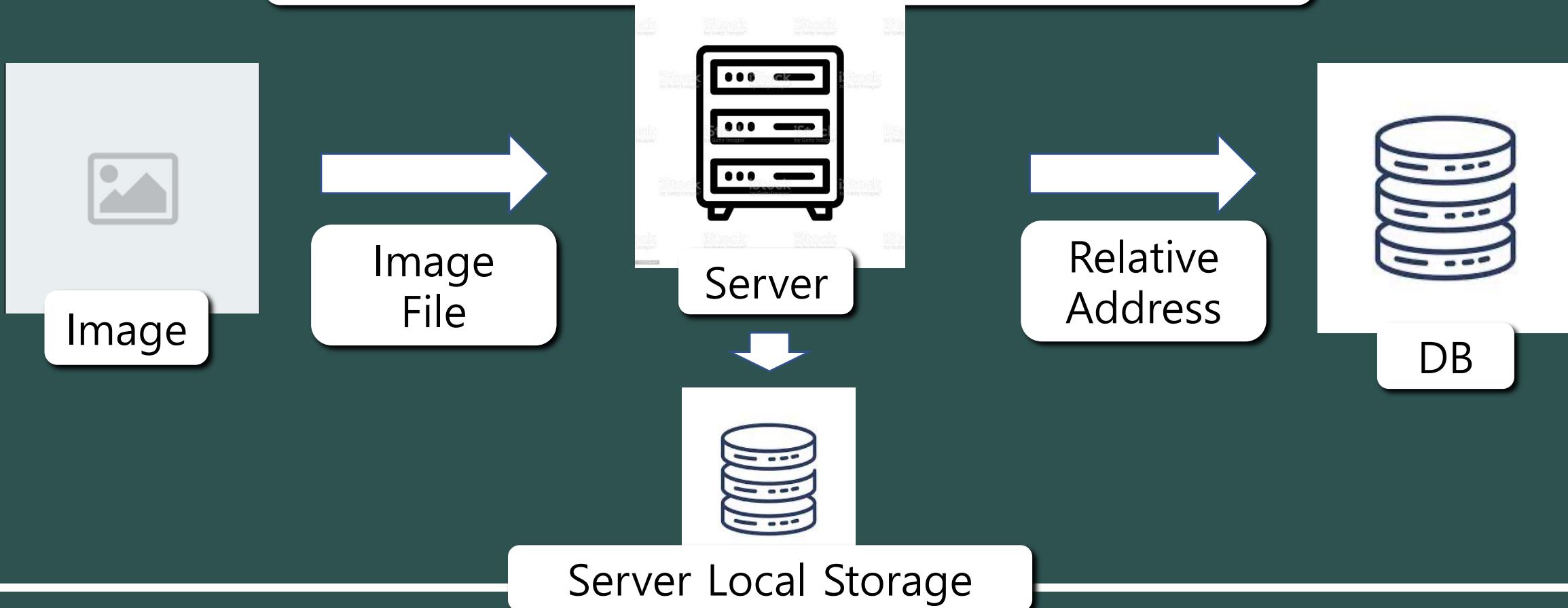
1. Heavy load on Database
2. Maintenance Problem



DB

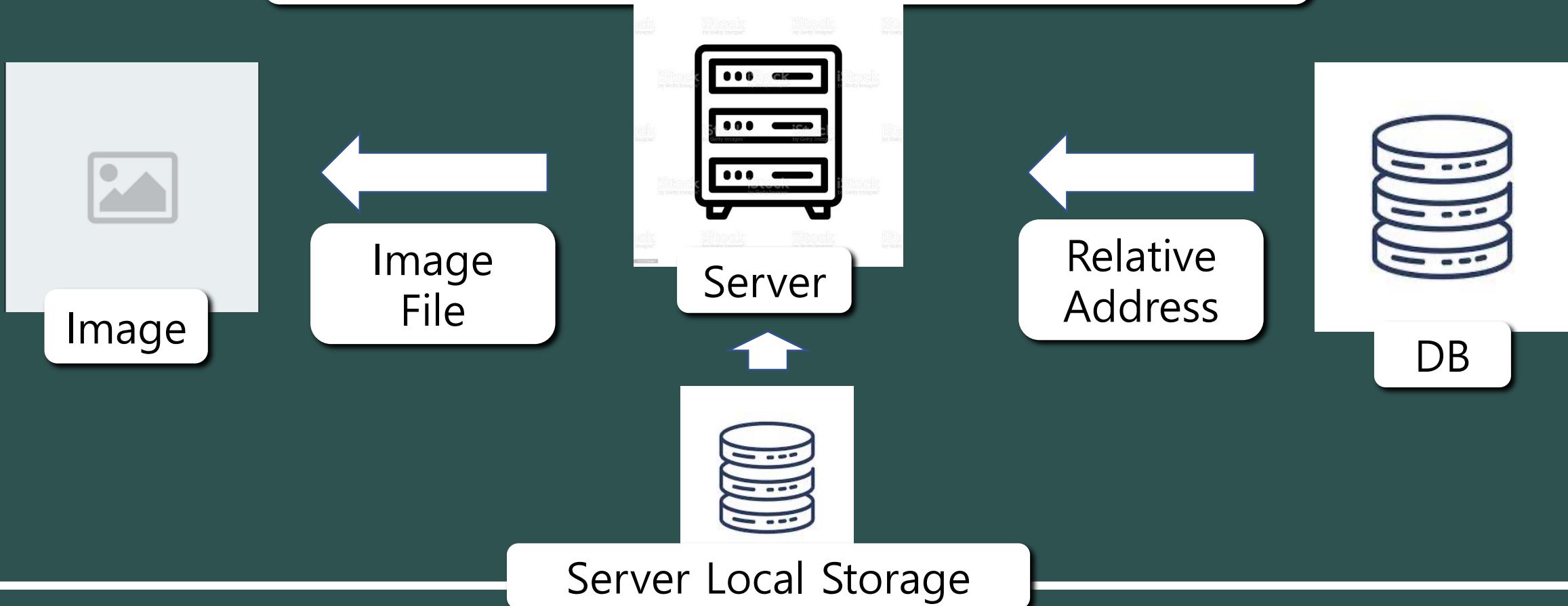
# *Challenges*

How to save Image file in Server?



# *Challenges*

How to load Image file in Server?



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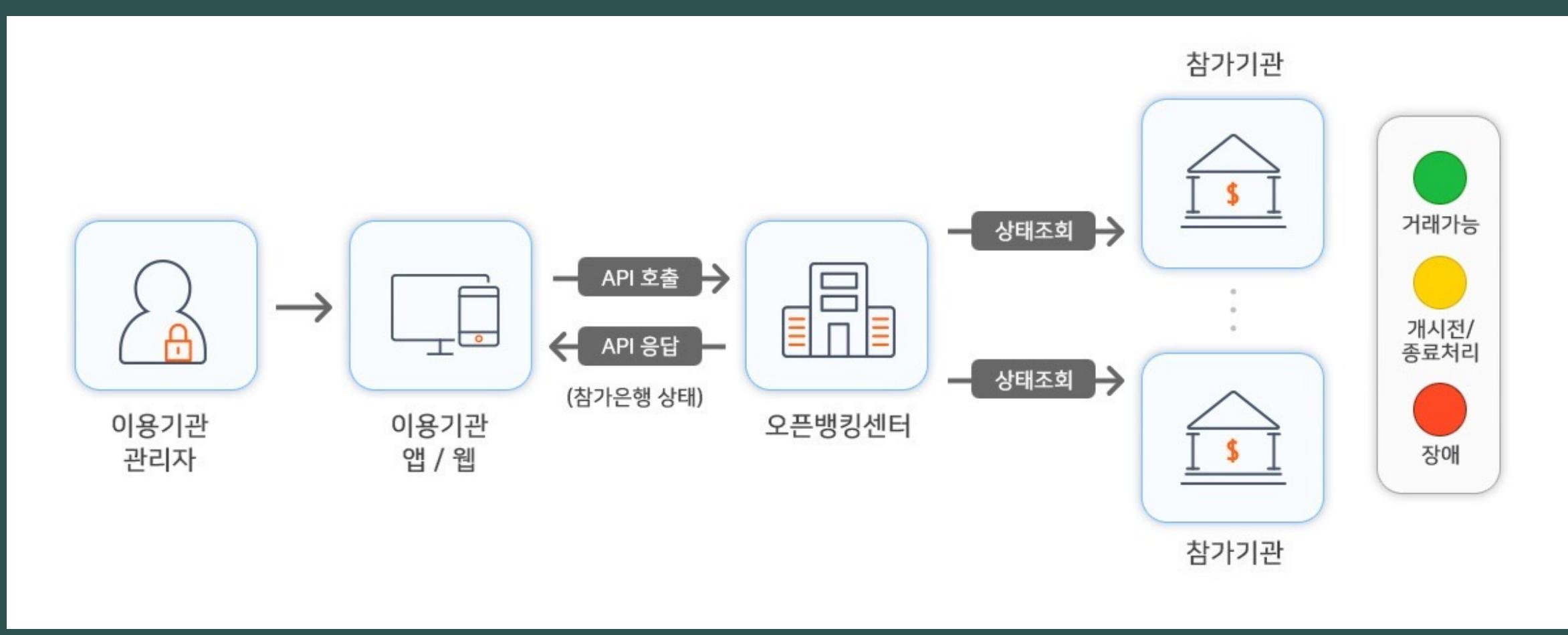
Limitation & Evaluations

**06**

Demo Video

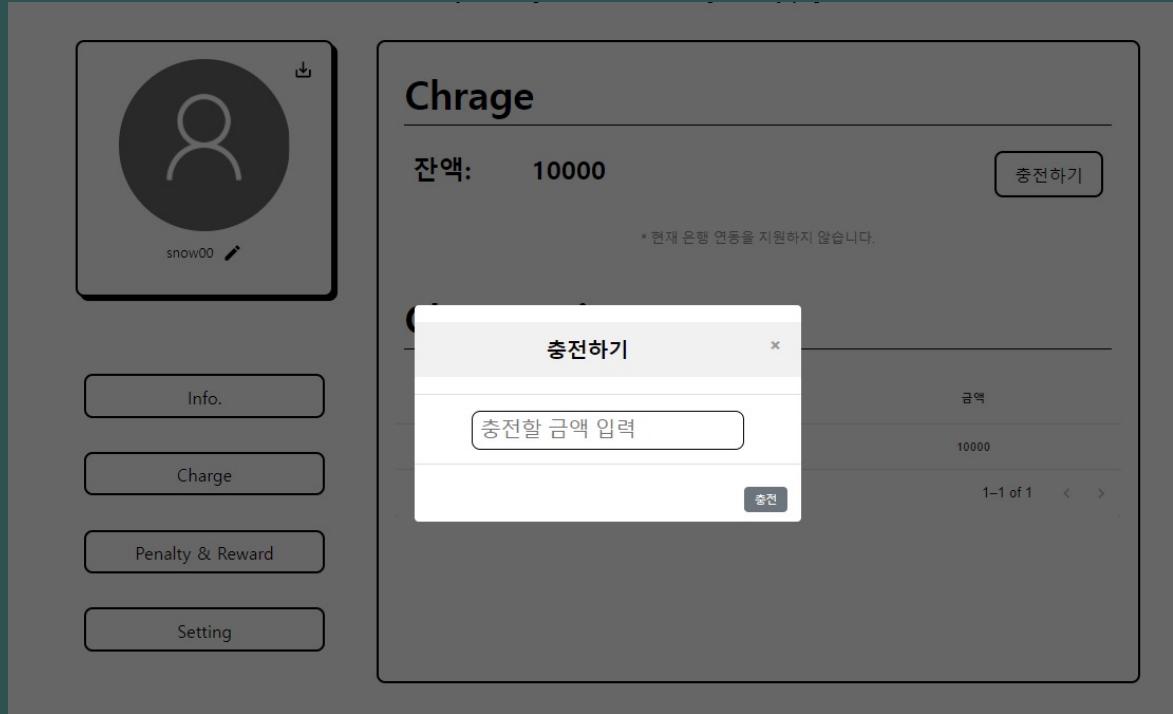
# *Limitation*

## <Bank Linkage>



# *Limitation*

<Bank Linkage>



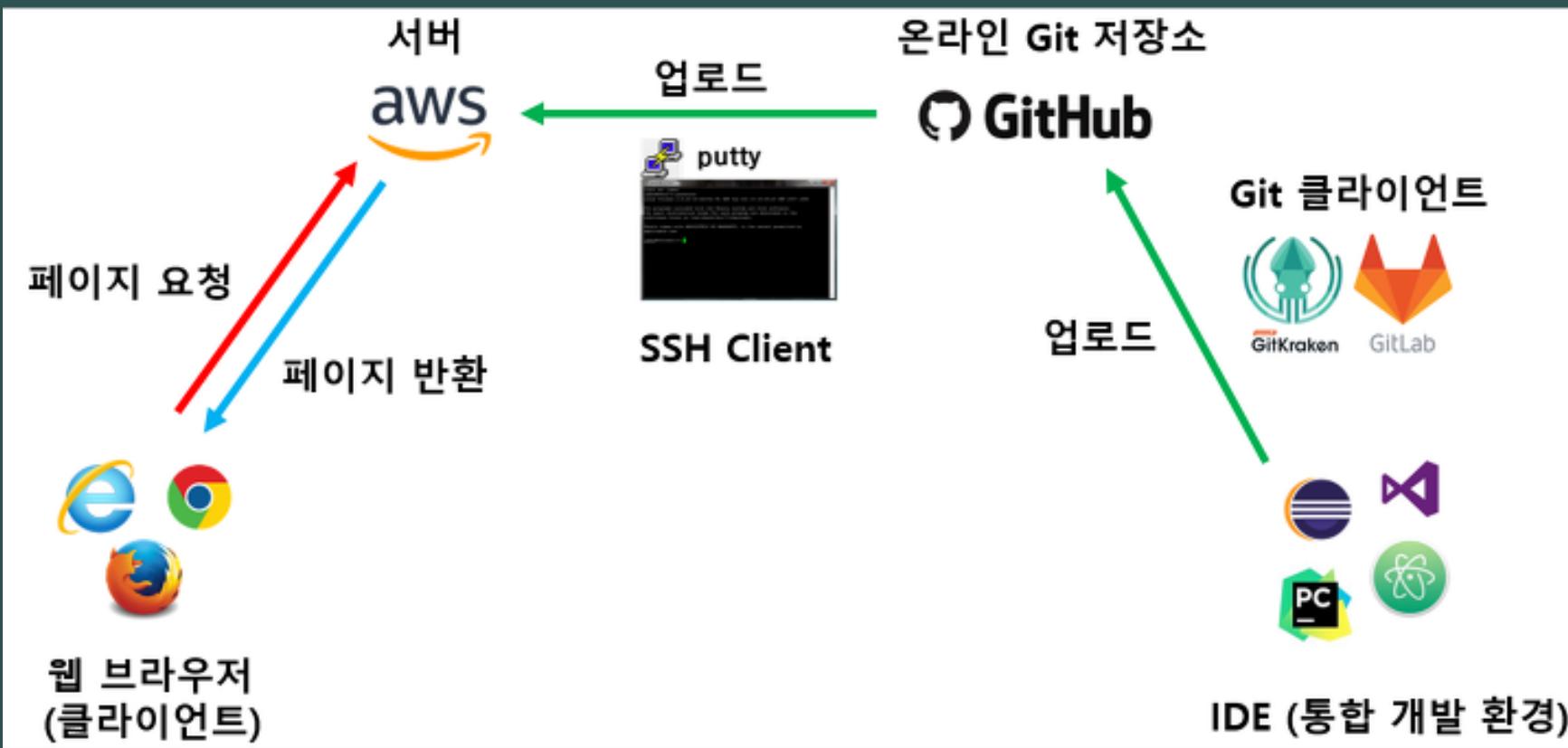
Bank Linkage



Set to charge as much as  
input

# *Limitation*

<Web Deploy>

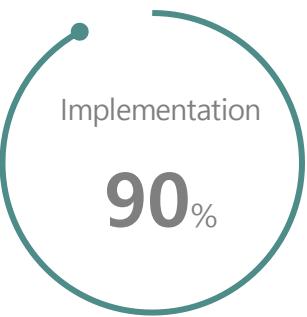


# *Limitation*

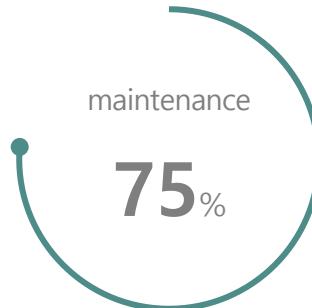
<Web Deploy>



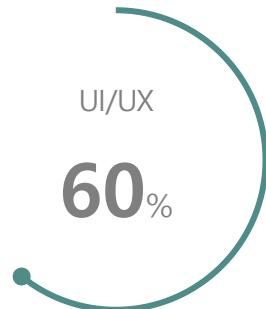
# *Evaluation*



**Implementation**  
Fail to linking with Bank or  
Web deploy



**Maintenance**  
Due to the lack of time, we  
fail to do refactoring



**UI/UX**  
The absence of professional  
designers  
User feedback were not  
received.

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# *Demo*



# *Reference*

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- [보안동향] 인증, 토큰 방식 새롭게 뜯다! 안정한 사용법은 ,LG cns ,  
2021-10-14, 2021-12-05, <https://blog.lgcns.com/2687>
- API 소개, 오픈 뱅킹, 2021-12-05, <https://www.openbanking.or.kr/apt/content/openapi>

*Thank you*

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Q & A