

Team 3

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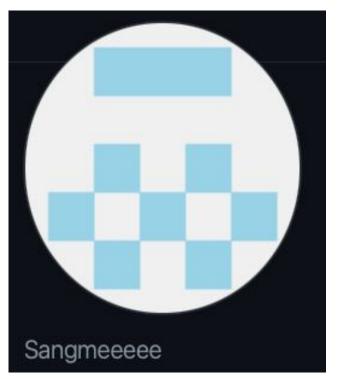
05 향후계획

팀원정보

#### ■ 팀원정보

## ocrstagram

目な



gmeeeee DooooH

이상민

프론트엔드



김도형

백엔드



안상준

백엔드



손승우

프론트엔드

개발환경

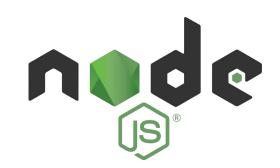
#### ■ 개발환경





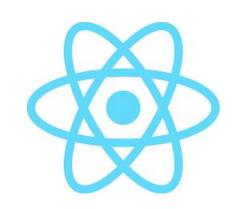
VS Code

- Node.js 개발에 사용하는 대표적인 에디터
- 서버 개발에 편의성을 위해 사용



Node.js

- 서버단 로직을 처리할 수 있는 Node.js 선택
- 다양한 모듈을 제공하여 개발 속도와 효율성이 매우 높다



React.js

- 사용자와 상호작용할 수 있는 UI를 손쉽게 만들 수 있는 라이브러리
- 다양한 프레임워크나 라이브러리와 혼용하여 사용하기 쉽다



EC2

- AWS EC2를 사용하여 본 프로젝트 ocrstagram의 호스팅을 하였다

## 구현내용

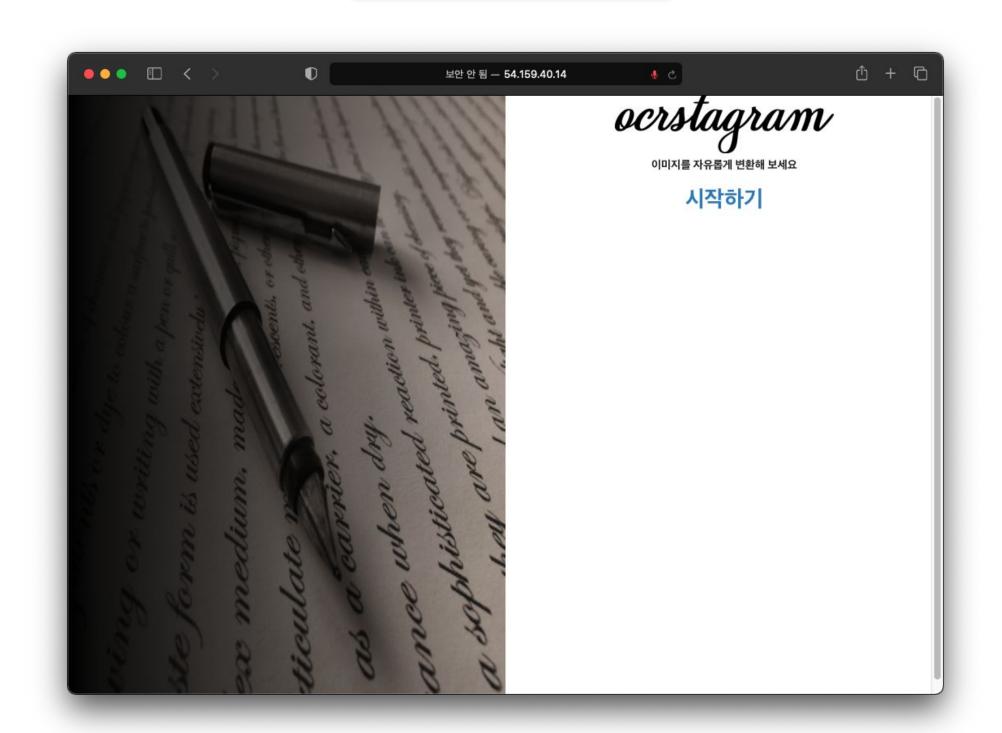
- 로그인
- 회원가입
- 사용자 화면
- 포스팅
- OCR
- 번역
- DB

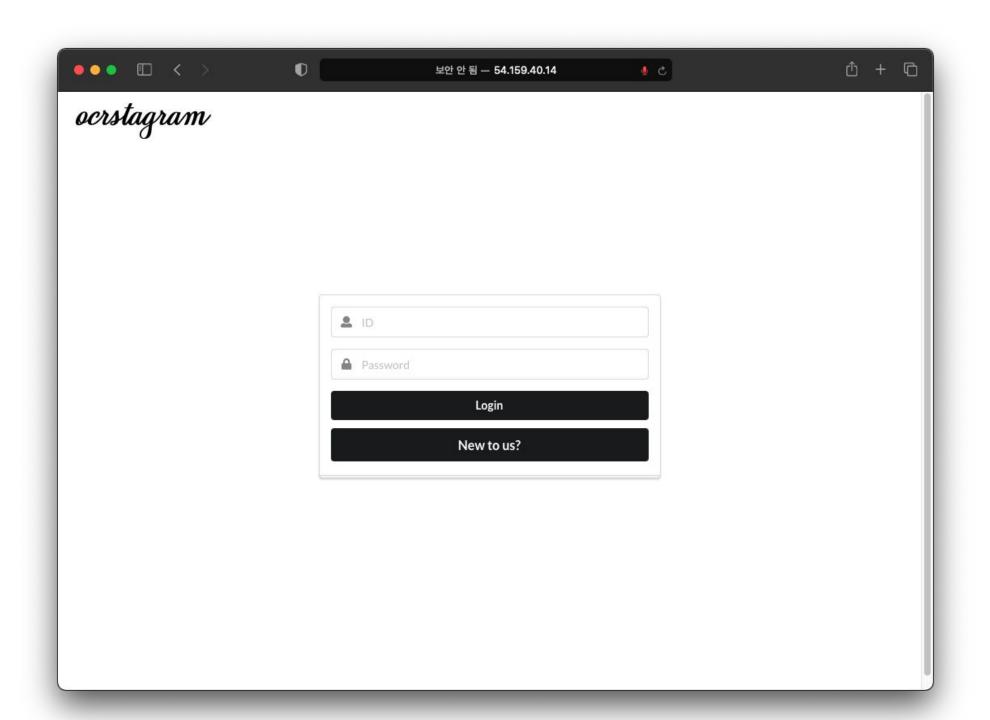
로그인

## ocrstagram

#### 메인 화면

#### 로그인 화면



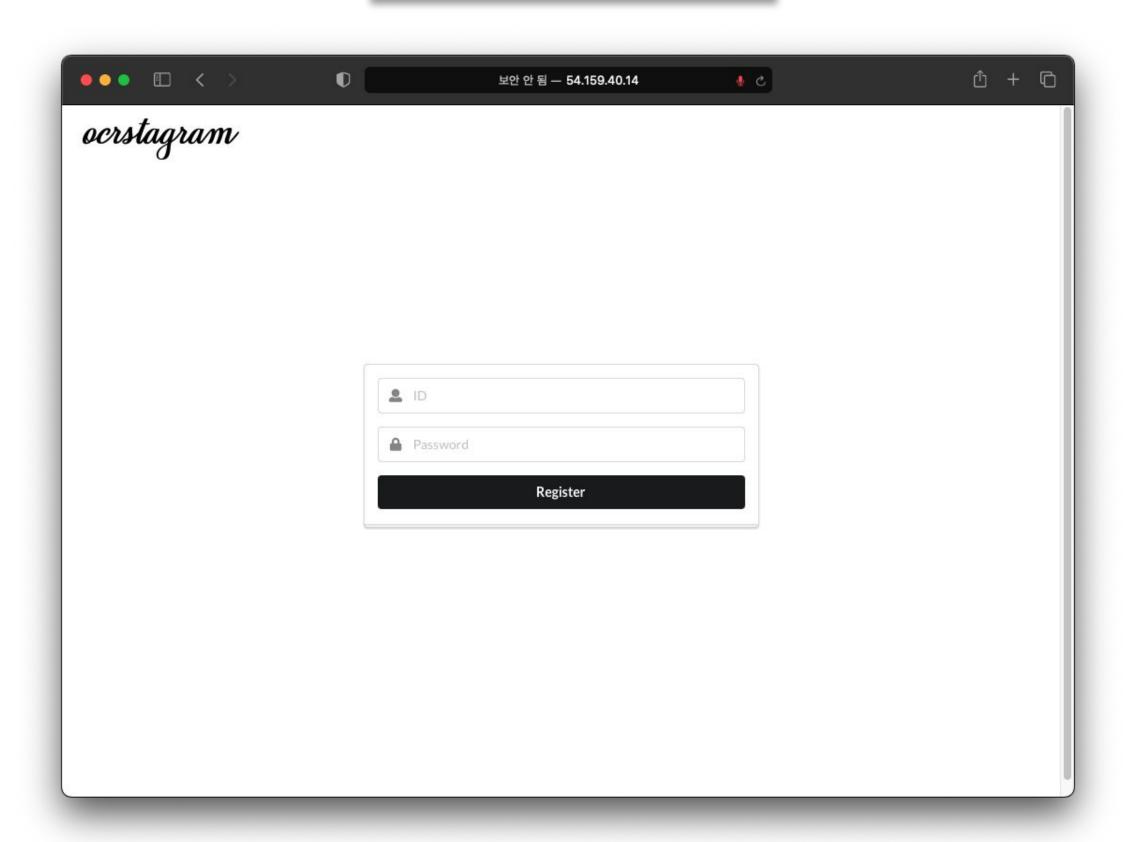


- 프론트의 라우팅처리를 통한 렌더링
- MVC방식을 사용 , Post요청에 대한 Controller로 처리

#### ■ 회원가입

## ocrstagram

#### 회원가입 화면



- Post방식으로 ID와 Password를 전송
- bcrypt방식으로 Password의 암호화

#### ■ 사용자 화면

## ocrstagram

#### 본인 화면

다른아이디 요청 화면

ocrstagram

S hello1

+ x

ocrstagram

hello2

**ENGLISH EDUCATION**  **ENGLISH** 

ocrstagram

404 not found

Our Project is very good Our Project is very good

Make me Crazy

Make me Crazy

very good

hot project

y strict parents were picky about giving me permission to join in activities away from home, but they usually let me go with the church youth group. I was so excited when Mrs. Burks, the church youth leader who planned most of our activities, announced we were going to the skating rink. I'd never been roller-skating and really wanted to learn how to skate. It looked like so much fun!

When we got there, everyone scrambled out of the cars and rushed inside. Some of us rented our skates and soon began lacing them up. We made our way across the carpet, held onto the handrails, and stepped onto the slick floor. Then, everyone but me rolled away from the wall and started skating.

Holding onto the handrail, I pulled myself along the side as I tried moving my legs back and forth. I stiffened up and clung to the bar as I began to lose my balance. Too late! I was on the floor. After a few more failed attempts, Mrs. Burks skated over to me and stopped.

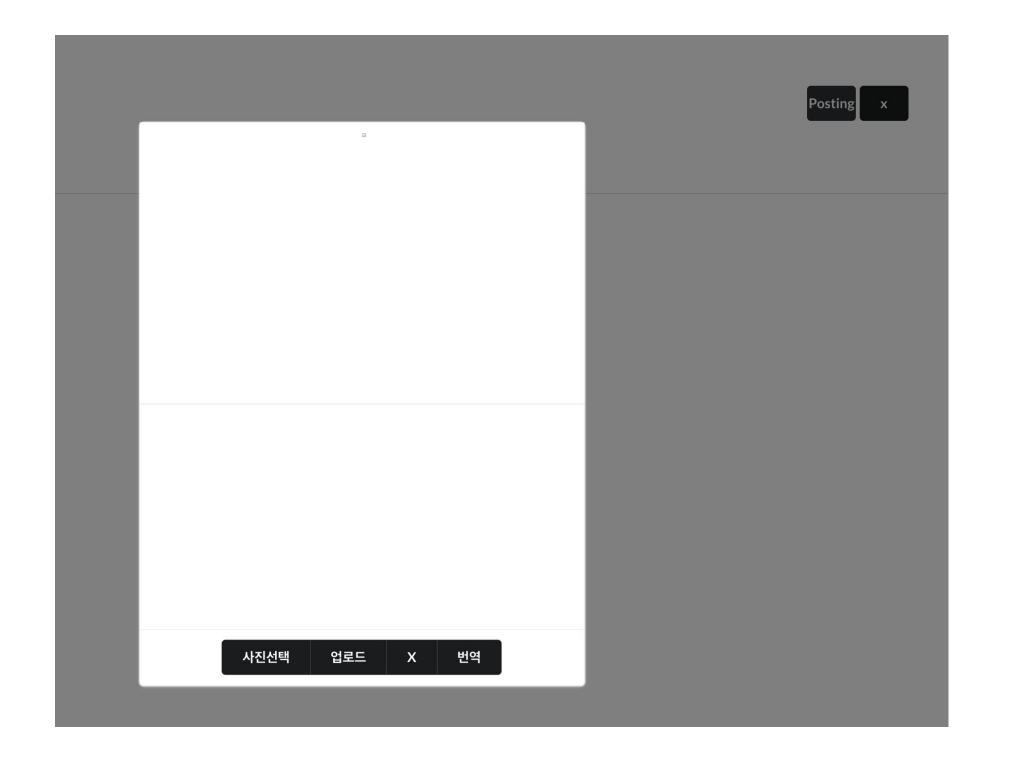
"You need to learn to fall," said Mrs. Burks.

What? I thought the idea was to go zooming around on these roller skates - not to fall down! Most of the kids in our youth group and some of the chaperones were skating around the busy rink

y strict parents were picky about giving me permission to join in activities away from home, but they usually let me go with the church youth group. I was

없는 아이디

#### 포스팅전



#### 포스팅후

O ostest

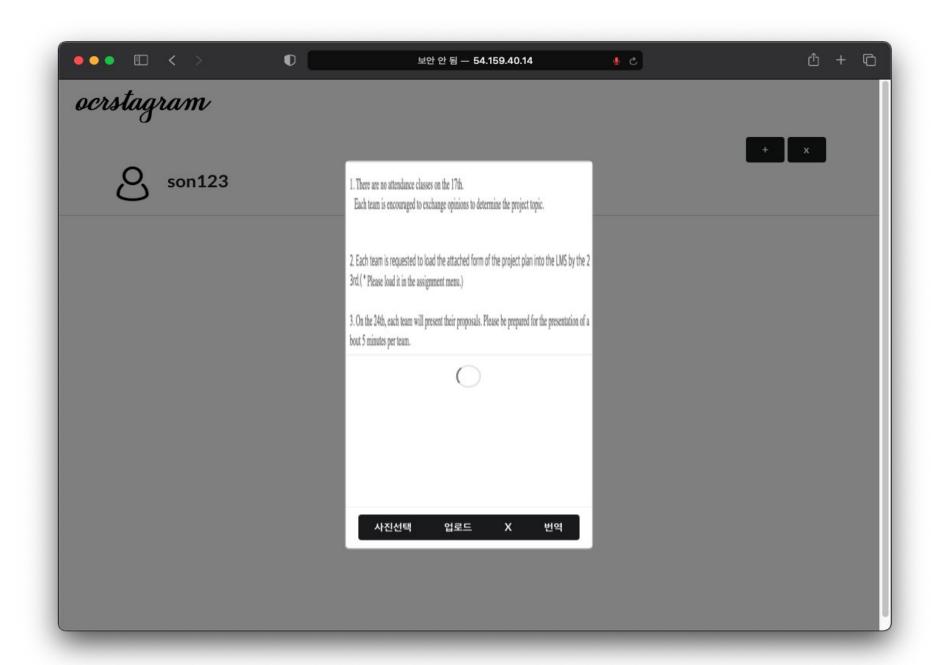
+ x

- Diversity of Hardware (and Standards)
- CPU: ISA, cache size, clock speed
- Memory size, type, disk size, type
- I/O devices keyboard, mouse, touchpad, camera, Bluetooth speaker, printer ...
- Network wifi(6,5,802-11agnb ...), wired, 5G
- Interfaces: USB2,3,type-c, PCI, Bluetooth, zigbee
- Diversity of Software to run
- Text editor, Calculator, game, web browser, scientific programs, database, router, image processing ...
- Even worse: They grow and change rapidly.

#### OCR

## ocrstagram

#### OCR 진행 중



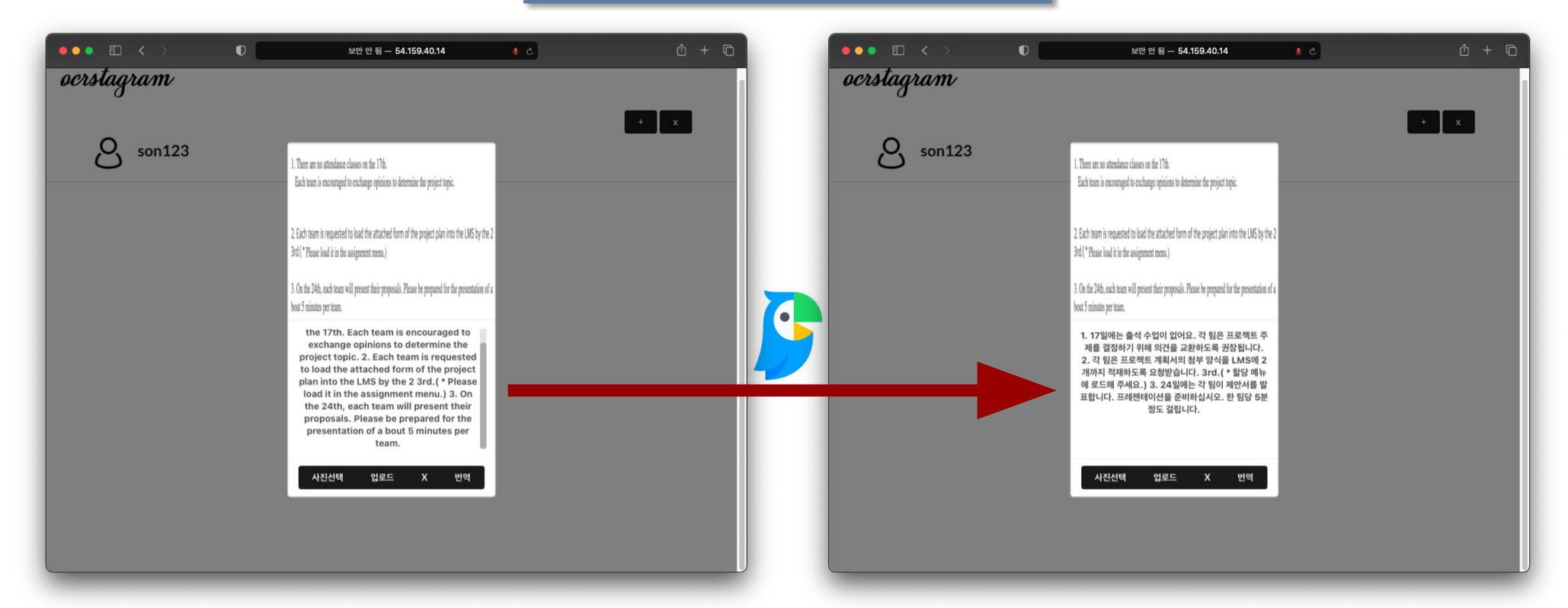
- tesseract.js를 활용하여 텍스트를 추출
- recognize 함수를 통해 추출한 데이터를 서버에 전송 서버를 통해 받아온 결과를 화면에 출력

#### OCR 완료



- 비동기 처리를 위해 express-async-handler를 사용

#### Papago를 통한 번역 기능



- 파파고 API를 사용하여 번역 실행
- 파파고 API를 호출하기 위한 url을 선언
- post 요청을 보내기 위해 request 라이브러리 사용

#### DB

```
const mongoose = require('mongoose')
const Schema = mongoose.Schema;
const bcrypt = require('bcryptjs')
const UserSchema = new Schema({
   userid: { // pass in config object. and put in validation rules
     type: String,
     required: true,
     unique: true
   },
                            const mongoose = require('mongoose')
    pw: {
                            const Schema = mongoose.Schema
     type: String,
                            const PostSchema = new Schema({
 });
                              username: {
                                type: mongoose.Schema.Types.ObjectId,
                                ref: 'User',
// note: no lambda func! (no
                               required: true
UserSchema.pre('save', fun; },
     const user = this
                              text: String,
                             image: String
    bcrypt.hash(user.pw, 1
      user.pw = hash
      next()
                            const BlogPost = mongoose.model('Post',PostSchema);
    });
                           module.exports = BlogPost
const User = mongoose.model('User',UserSchema);
module.exports = User
```

ocrstagram MongoDB Compass - cluster0.udzlq.mongodb.net/test.users Connect View Collection Help test.users ··· © TESER ONITO Displaying documents 1 - 8 of 8 ( ) C REFRESH MongoDB 4.4.6 Enterprise MongoDB Compass - cluster0.udzlq.mongodb.net/test.posts - 🗆 X Displaying documents 1 - 16 of 16 ( ) C REFRESH text: EDUCATION admin local "안녕 내이름은 상민이야 나의 프로젝트는 매우 좋다. 너무 좋은

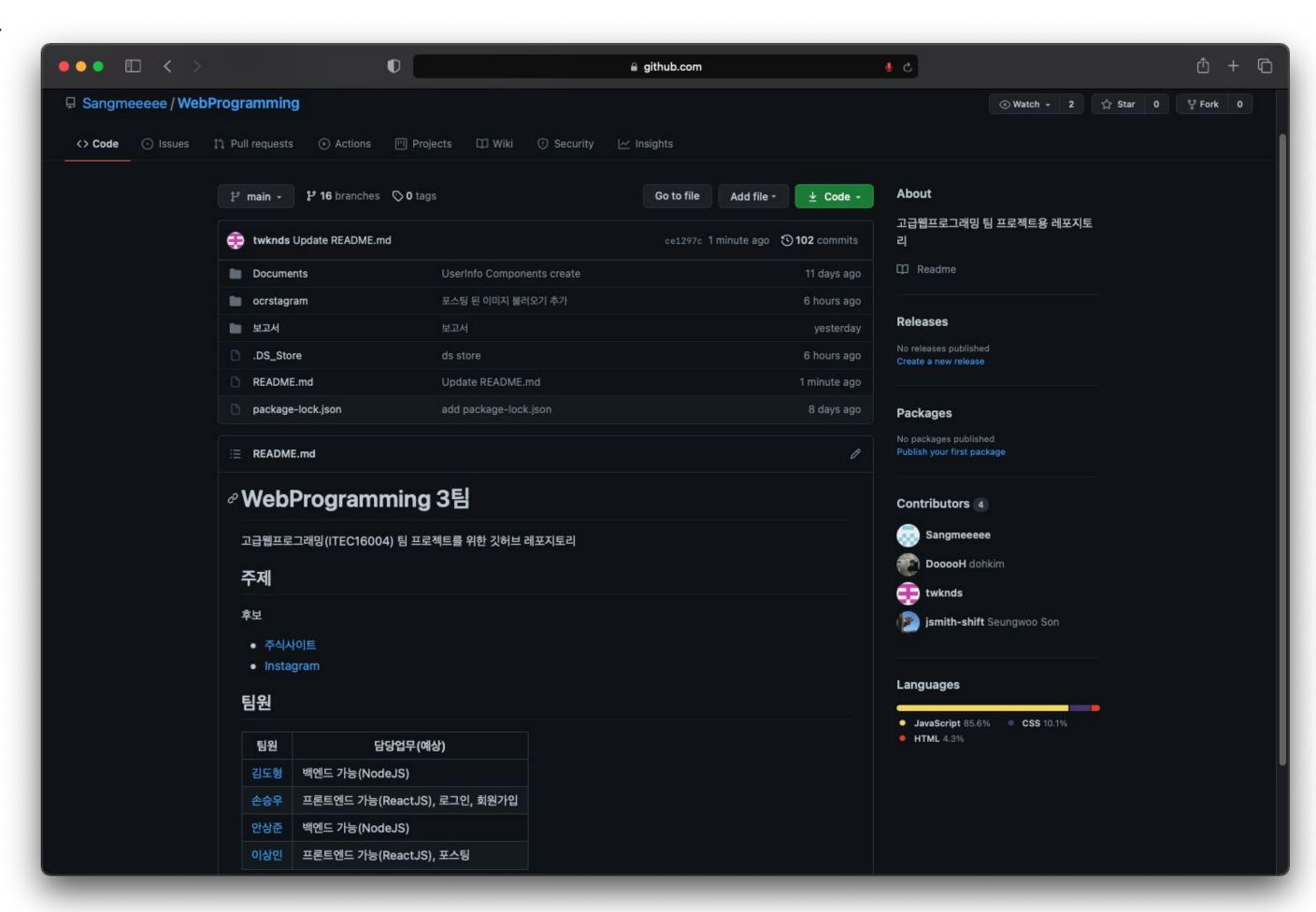
DB 구성

몽고DB

협업 내용

■ 깃허브

### ■ 깃허브



# 향후계획

■ 유저 검색창 구현

● 향후계획

## ocrstagram

#### 유저 검색창 구현

```
userSearch.js
                                                        UNREGISTERED
            userSearch.js
                              ×
OPEN
            const User = require('../models/User')
× use
            module.exports = async (req,res,next) => {
                 console.log(req.body)
                 let result = await User.find(
                     { userid:{$regex:req.body.search}}
                 console.log(result)
                 res.send(result)
       10
       11
       12
Line 12, Column 1
                               1 main 2
                                             Spaces: 4
                                                          JavaScript
```

 유저 검색을 통해 가입된 유저들의 피드에 접근할 수 있도록 구현할 계획

감사합니다.

Github 주소:

https://github.com/Sangmeeeee/WebProgramming