

Graduation Project

Class 2, Group 5 Final Presentation
2022.05.17

201935006 고효진
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201935144 최윤찬

I . Project Progress

Front-end

v0.2.2 ...

🕒 2 hours ago 🔗 58d7c6f 📦 zip 📦 tar.gz

v0.2.1 ...

🕒 2 hours ago 🔗 4665df3 📦 zip 📦 tar.gz

v0.2.0 ...

🕒 2 hours ago 🔗 6fb8744 📦 zip 📦 tar.gz

v0.1.1 ...

🕒 on 11 Apr 🔗 77528c9 📦 zip 📦 tar.gz

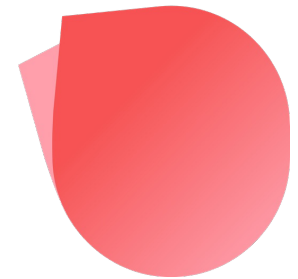
v0.1.0 ...

🕒 on 10 Apr 🔗 b22c099 📦 zip 📦 tar.gz

- Fix setting page error

- Change logo & Upload to Store
- Improve image upload resolution
- Fix errors

- novice handling
- Improve community features
- Implement recommendation features
- Improve user interaction
- Solve signing page issue
- Improve messaging
- Fix communication errors
- etc.(vibration, toast ...)



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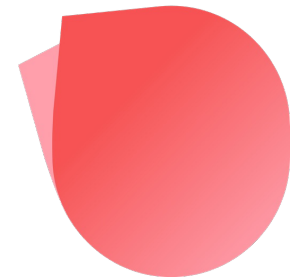
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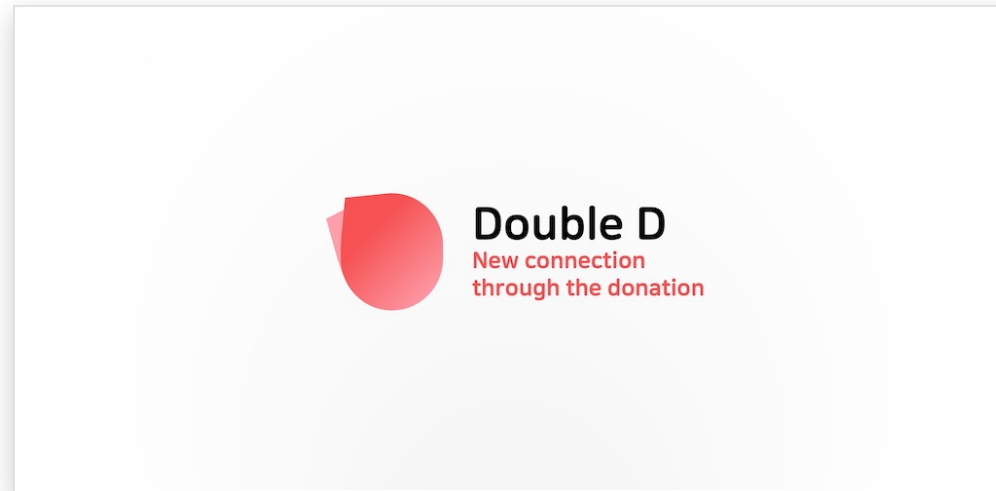


Front-end

- Preparing to publish on App Store and Google Play



New logo



Store banner for Google Play

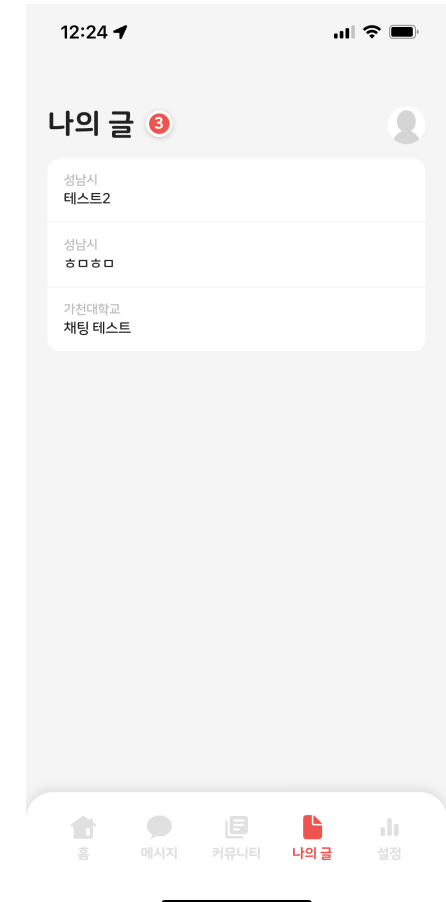
Front-end

- Improve community features



Change community logic
same as traditional bulletin board system.

User can see and manage
their boards in a single menu page



Front-end

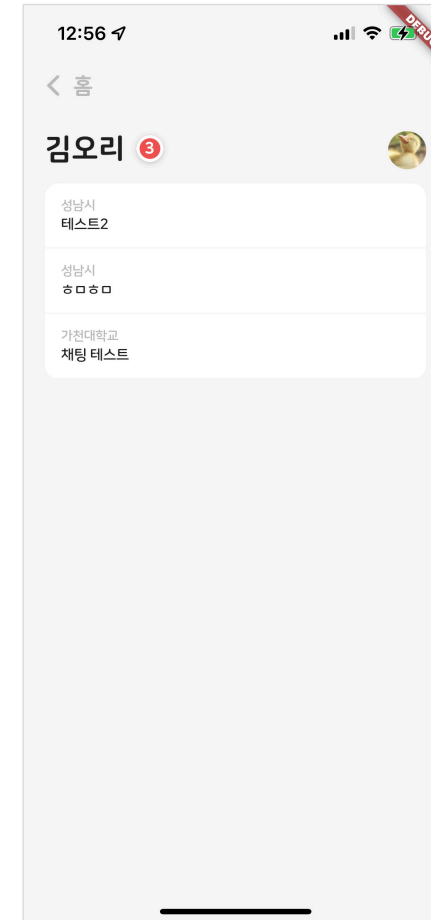
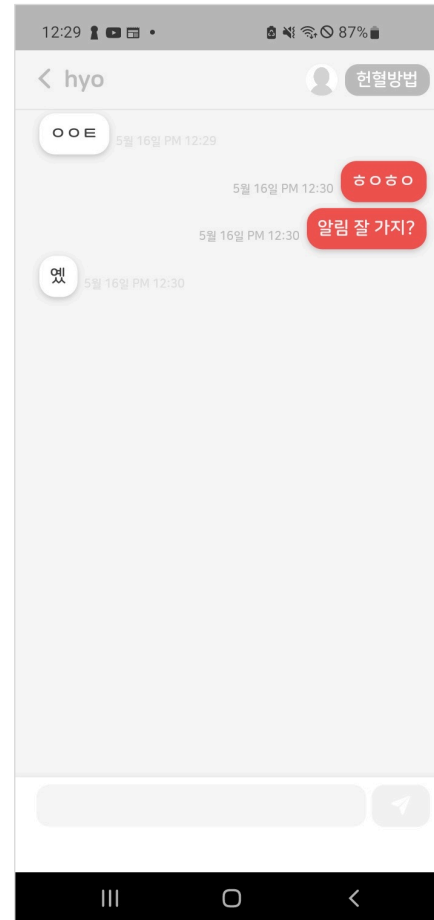
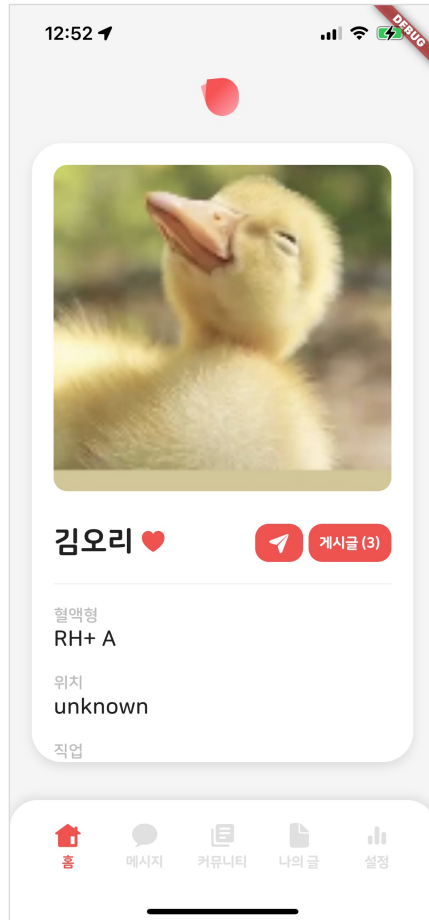
- Implement recommendation features

User can view the list of recommendations intuitively through the user interface



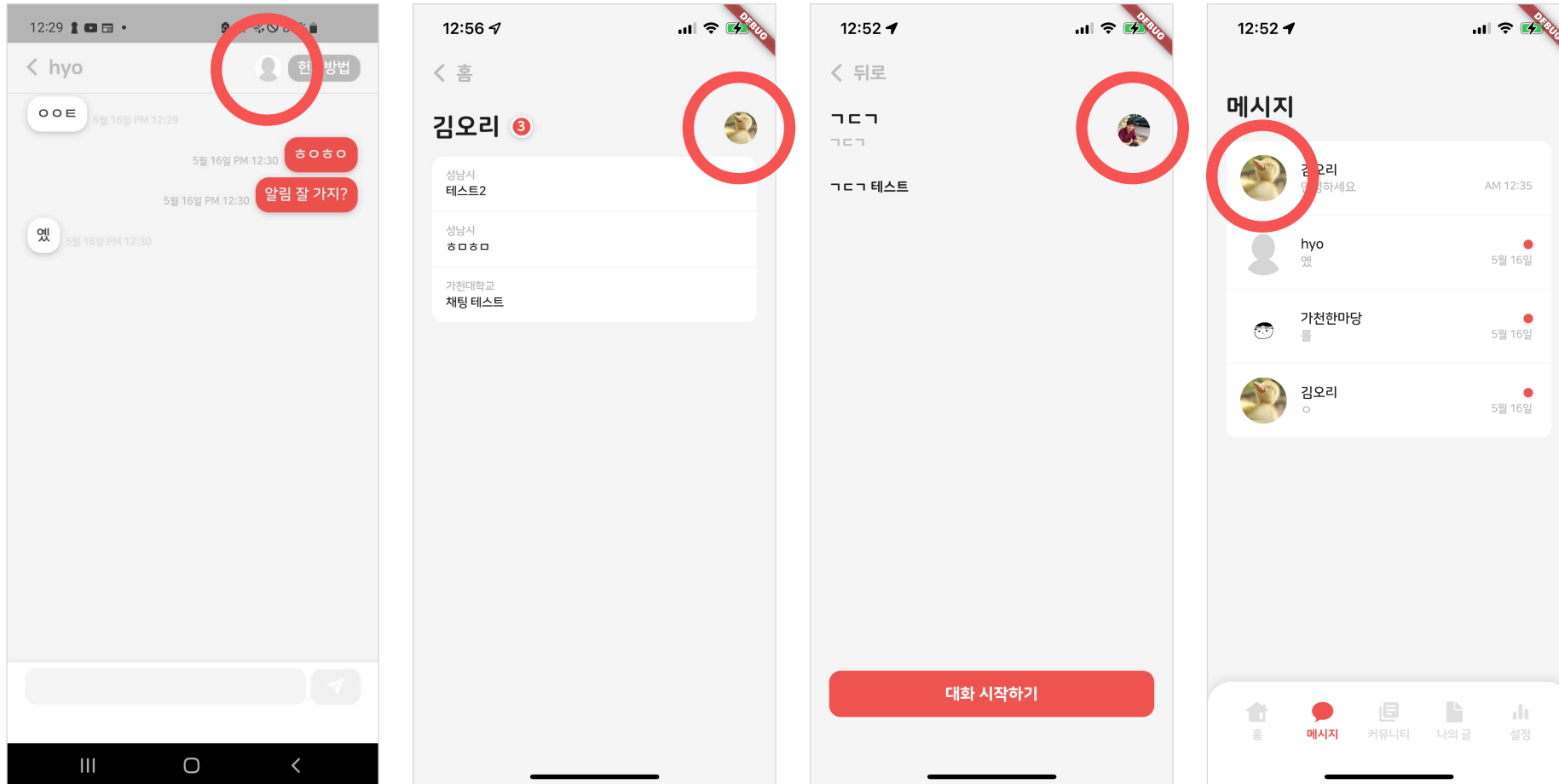
Front-end

- Improve user interaction



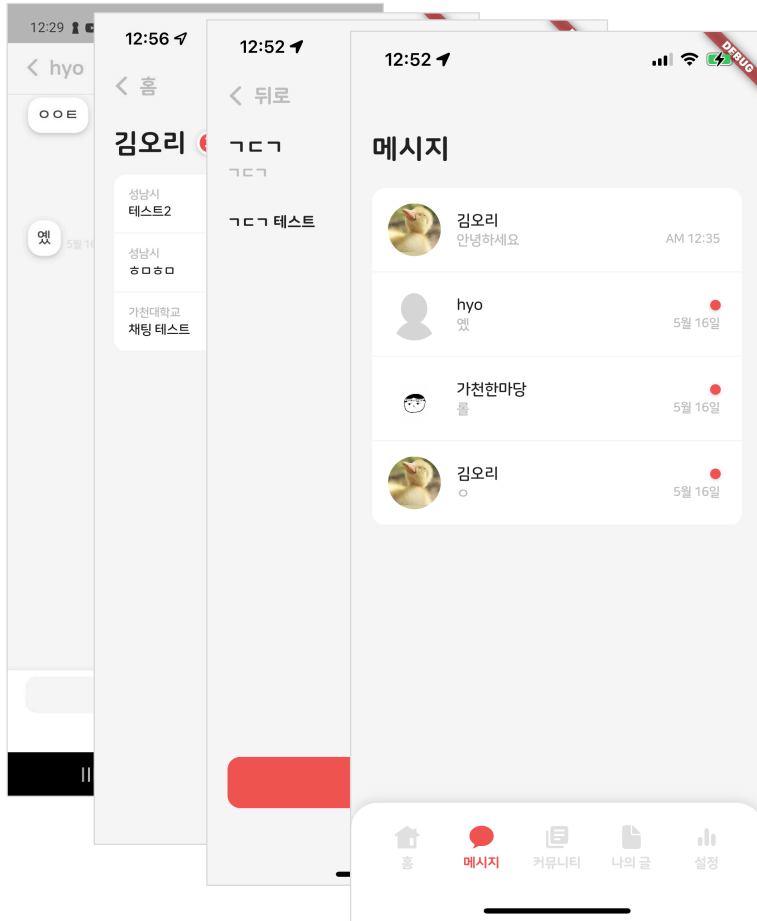
Front-end

- Improve user interaction

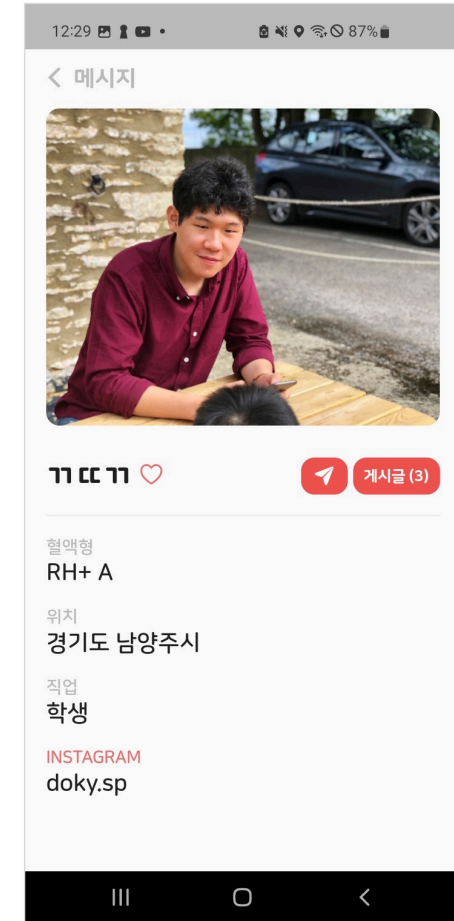


Front-end

- Improve user interaction

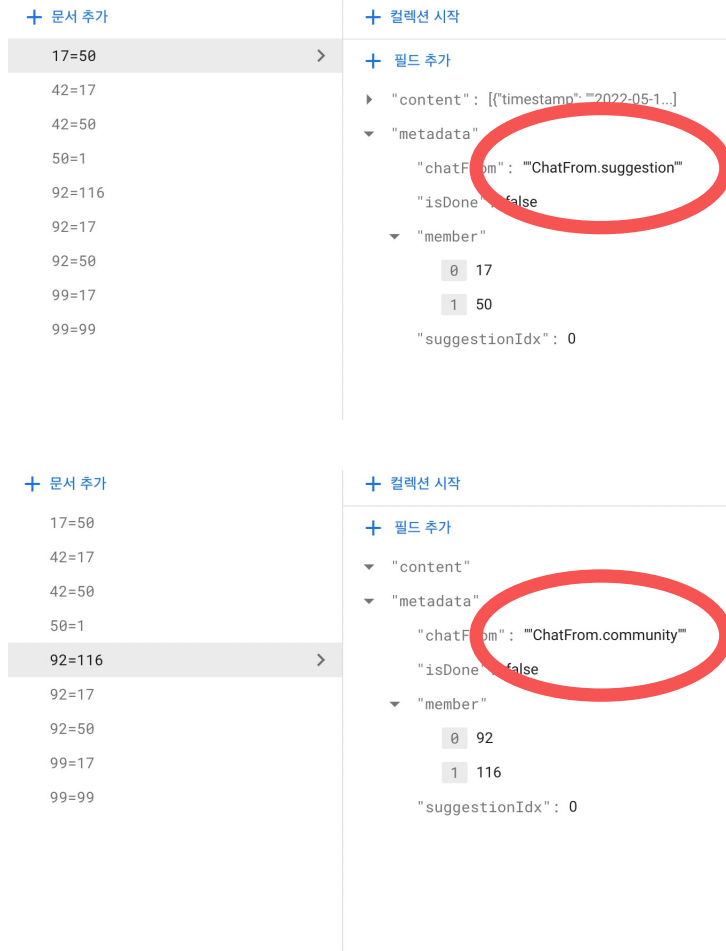


Ease to approach user's profile
from everywhere



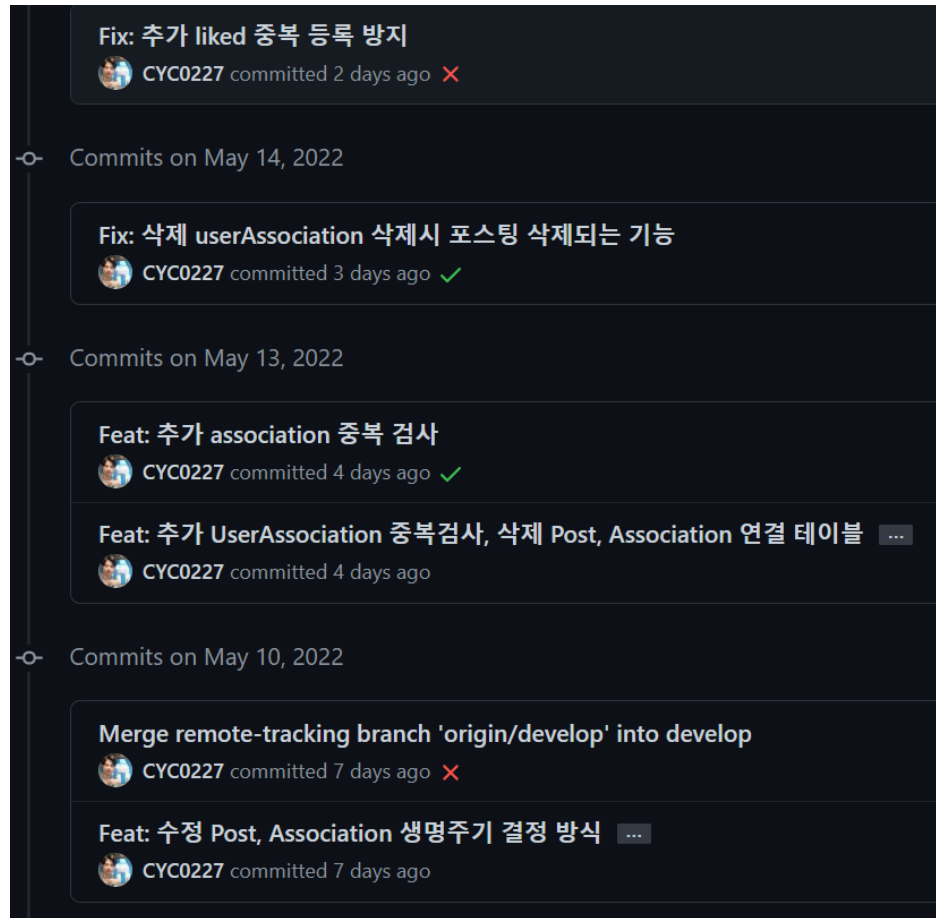
Front-end

- Improve user interaction



Tracking user connection
through community board or suggestion

Back-end



New updates

- Validate duplicate entity – (liked, association)
- Deleted useless table
- Mailing service failure (Google SMTP)

Back-end

- Add Documentation(read me) in Github repository



사용 기술, 개발 환경

- Java, Spring Boot, Gradle
- JPA(Spring Data, Hibernate), QueryDSL
- JUnit5, AssertJ, Mockito
- MariaDB, H2
- GitHub Actions
- AWS (Elastic Beanstalk)
- IntelliJ, Postman

프로젝트 목표

- 선호도 기반 지정헌혈자 매칭 서비스 개발
- 서버 - 서버 통신 방법 학습 및 적용

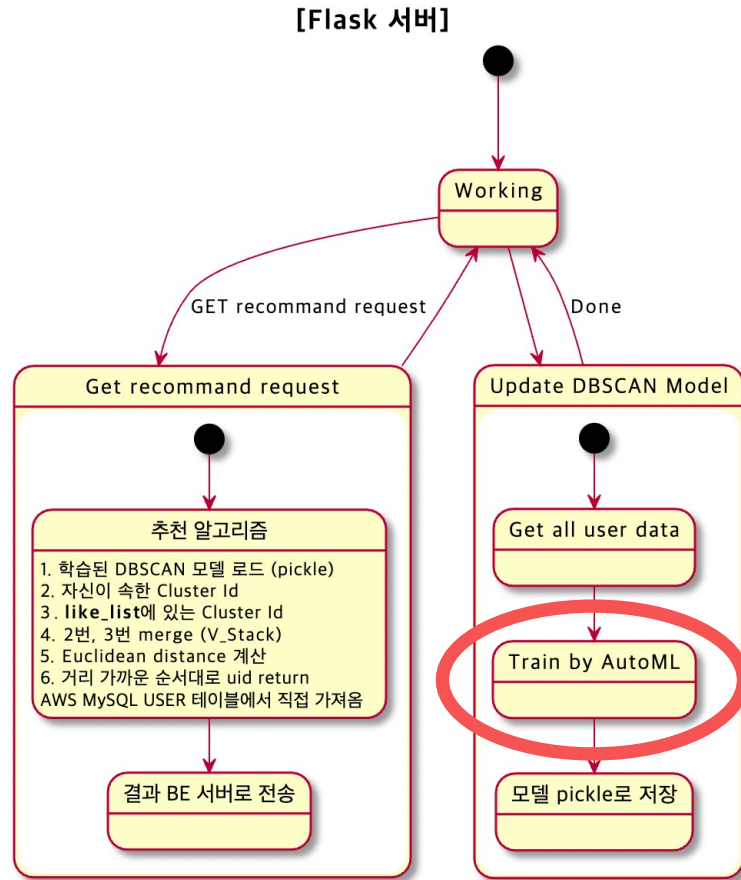
핵심 기능

- 회원 가입, 탈퇴, 비밀번호 재발급 (메일링 서비스 이용)
- 로그인, 로그아웃 (JWT 이용)
- 게시글 작성/수정/삭제/조회 기능
- 게시글 페이지징 기능
- 좋아요 기능

ERD



ML (Recommendation Server)



Save cluster information
when server update DBSCAN model

cluster-2022-05-15 01/14/15.569745.csv	그저께 오전 1:14
cluster-2022-05-15 16/53/44.109350.csv	그저께 오후 4:53
cluster-2022-05-15 16/55/39.052815.csv	그저께 오후 4:55
cluster-2022-05-15 16/56/41.446615.csv	그저께 오후 4:56
cluster-2022-05-15 16/59/27.488934.csv	그저께 오후 4:59
cluster-2022-05-15 16/59/44.218710.csv	그저께 오후 4:59
cluster-2022-05-15 17/00/06.112093.csv	그저께 오후 5:00
cluster-2022-05-15 17/00/22.990025.csv	그저께 오후 5:00
cluster-2022-05-15 17/00/46.376753.csv	그저께 오후 5:00
result-2022-05-15 01/14/15.569745.csv	그저께 오전 1:14
result-2022-05-15 16/56/41.446615.csv	그저께 오후 4:56
result-2022-05-15 16/59/27.488934.csv	그저께 오후 4:59
result-2022-05-15 16/59/44.218710.csv	그저께 오후 4:59
result-2022-05-15 17/00/06.112093.csv	그저께 오후 5:00
result-2022-05-15 17/00/22.990025.csv	그저께 오후 5:00
result-2022-05-15 17/00/46.376753.csv	그저께 오후 5:00

0	1	label
0	0.4942609672494114	1.4510669654101749
1	-1.4280809932351524	-0.8370637666900247
2	0.33855918238435584	1.0387587093943793
3	0.11900101378070077	-1.0539755333636862
4	1.122424604448669	1.774936544363838
5	-1.2615698970670386	0.2718813542993483
6	-1.301547746257914	-0.7620620251479828
7	0.5856986515209378	-0.3391046281566996
8	1.0824721201412892	0.8868553969118139
9	1.014166678090506	1.341140223905319
10	-1.2157819589318437	-0.6010212388580108
11	-1.250217825928667	-1.0576165033484355
12	-1.0516041557218532	-0.7800841561414469
13	1.152634492718844	-0.6485399059181498
14	-0.7832991405810525	-1.2248966984992793
15	0.2025871474193737	1.6110484893636978
16	-1.4302078985129338	-1.8238006773251054
17	-0.9163008456156134	-0.48083039659818905
18	-0.5060138258316134	-0.2957154541737894
19	0.43642617939539624	-1.065971443505489
20	0.46803416736766357	-0.9741102203035344
21	0.5223547930980973	-0.6416958916245312
22	0.9453336749502672	-0.5438809512020597
23	0.9466147357796739	-0.9398547584429676
24	-1.385513989134864	-0.7395065525204351
25	-1.157226163819084	-0.76507070736657017

Labels of each rows

	Date	num_of_people	eps	min_samples	num_of_cluster
0	2022-05-15 16:59:44.218710	750	0.3	7	2

Hyperparameter informations

Plan

- Enroll store review of each platform
- Make promotion materials
- Improve reliability of Flask recommendation server
- Analyze trained cluster information and user patterns
- Documentation

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