Curie Yoo
JaeWon Kim
Jina Park
Jinsun Goo

adoor

a door between our worlds (https://adoor.world)

Service Introduction

Knock Knock!

adoor

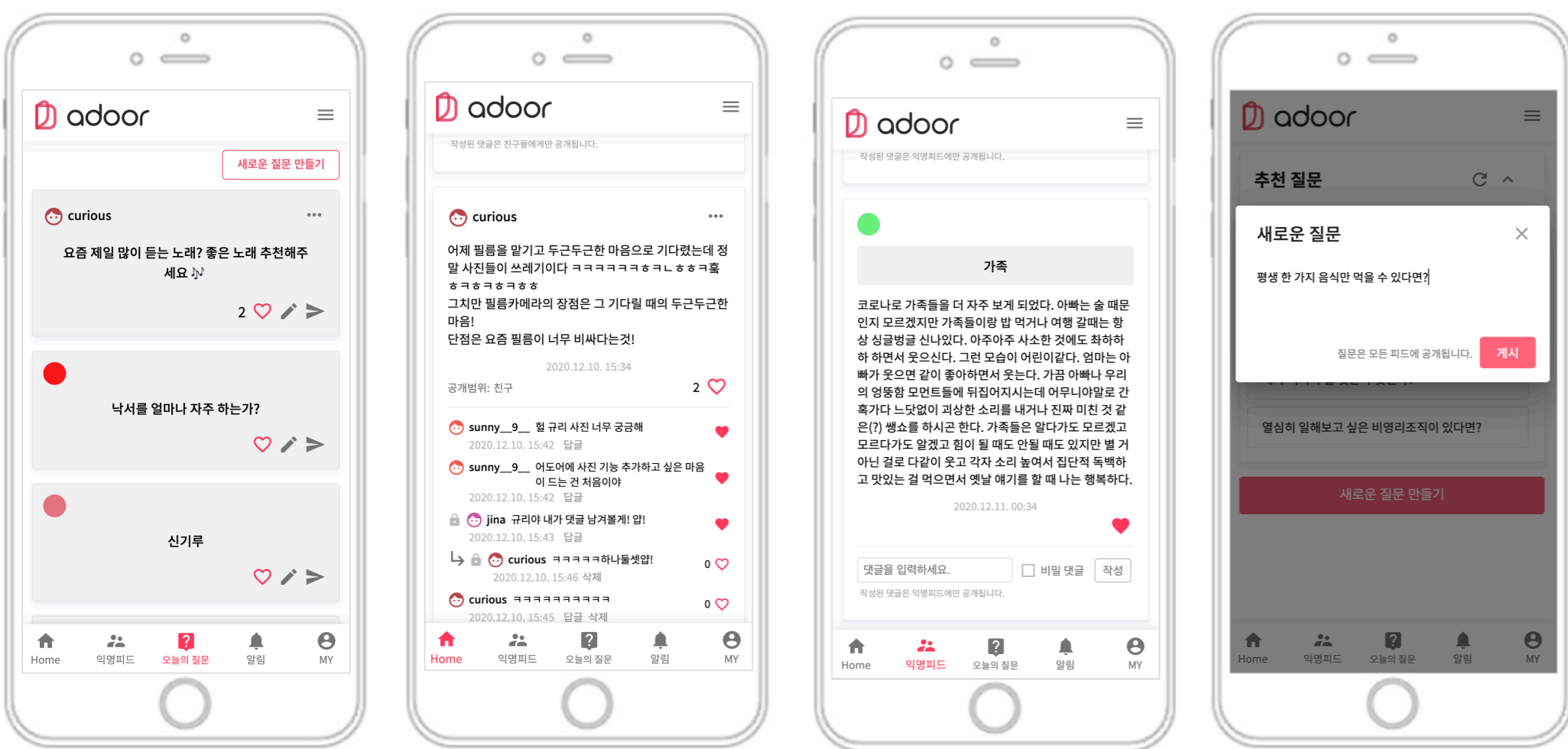Who's there?

adoor who?

a door between our worlds :)

adoor [ə'dɔː(r)] is a **prompt-driven social media platform** ideal for building intimacy.

adoor welcomes users with a wide range of thought provoking and individualized Question prompts, opening a door to active intrapersonal and interpersonal communication.

Key Features

- Answer to various **questions updated daily**
- View **friends'** & **Anonymous** people's posts
- **Share your thoughts** through various kinds of posts

- **Be friends** & Communicate with them with comments and likes
- **Send questions** to your friends
- Answer about what your friends are curious about you

ML Feature

Personalized question recommendation

data training and validation using scikit-learn
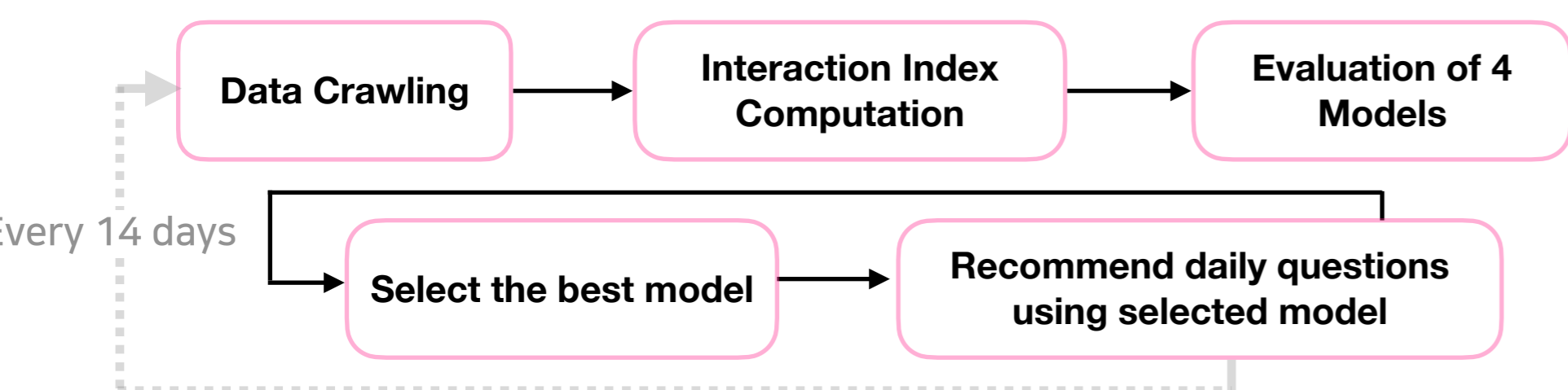morpheme analysis using Mecab & Konlpy

- Analyze **user interaction** and recommend questions that best suit the user's preferences
- **User interaction index** is computed based on:

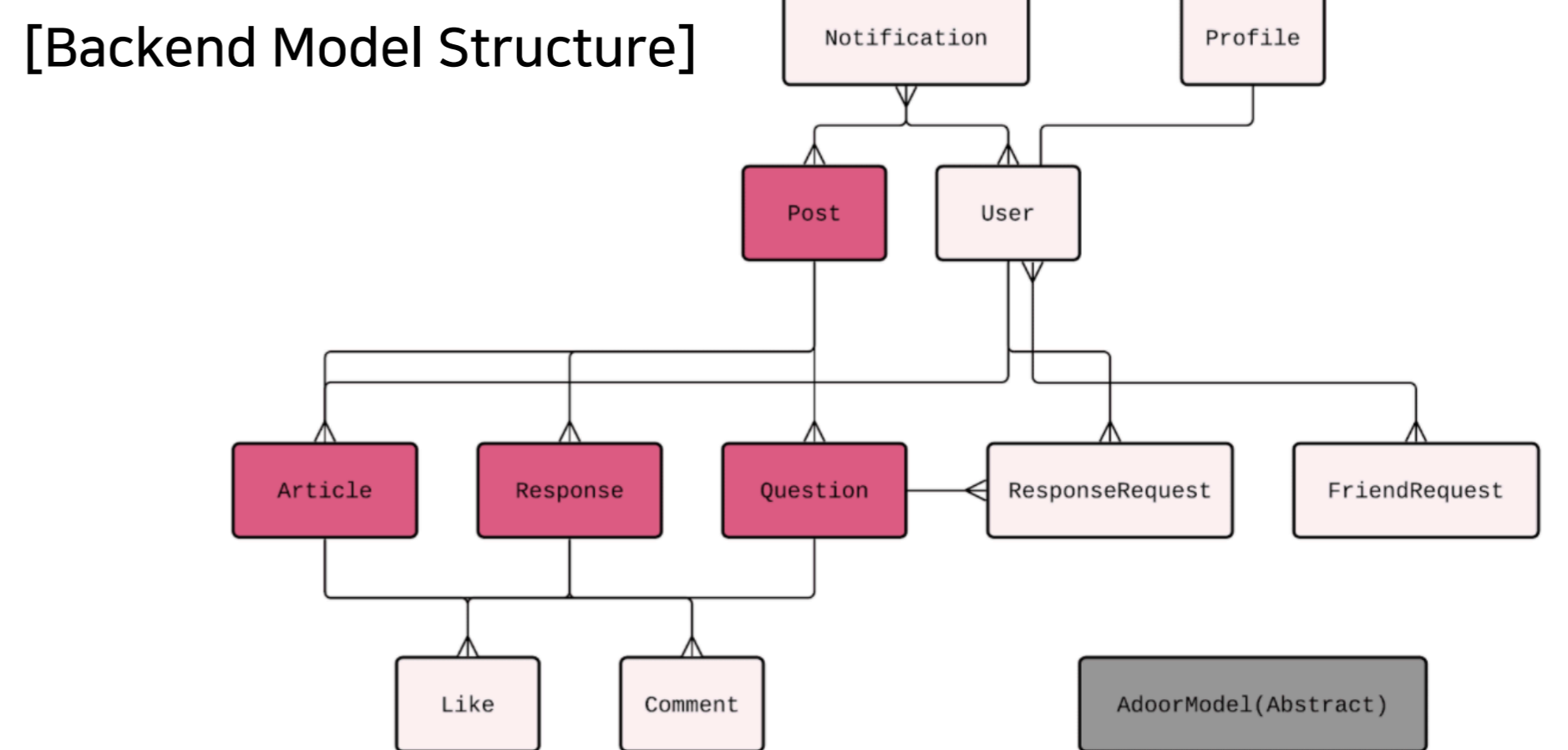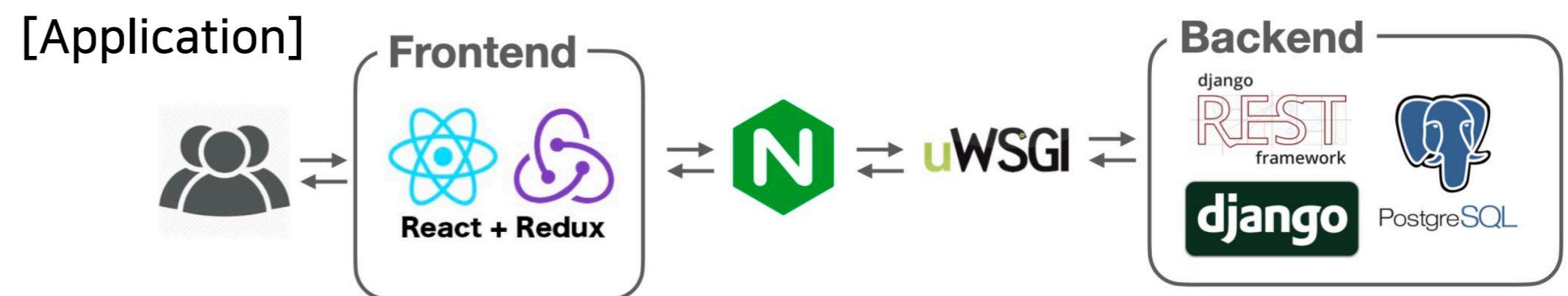|	
Questions that the user has answered	4
Custom Questions the user created	3.5
Response Requests that the user sent to friends	2.5
Questions selected upon sign up	2
Questions that the user liked	1

Machine learning with four models
- use 4 models to get recommended results - popularity model, content-based recommender model, collaborative filtering model and hybrid model

Every 14 days

Architecture

[Application]

Frontend   React + Redux   N   uWSGI   Backend   django REST framework   PostgreSQL   django
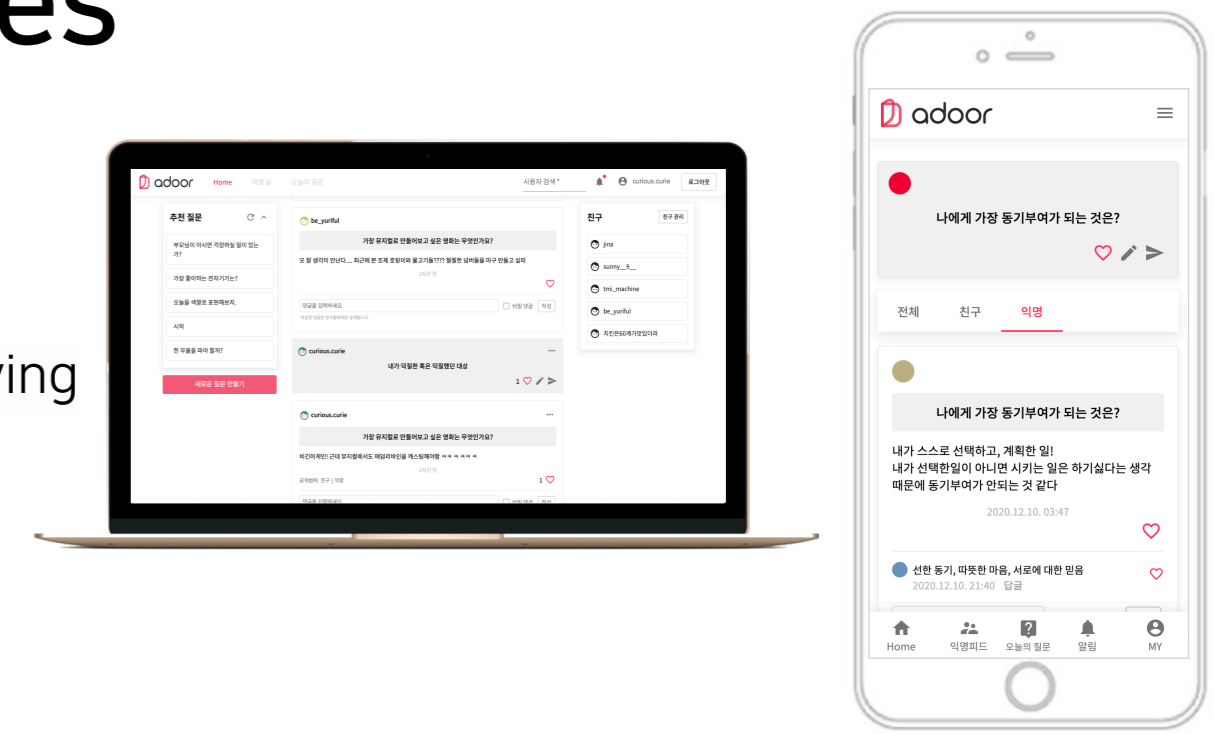
[Backend Model Structure]

Technical Features

Responsive UI

User Interface available on **mobile** as well as **desktop**
Improved user experience by applying mobile friendly ui suitable for SNS

Django Rest Framework
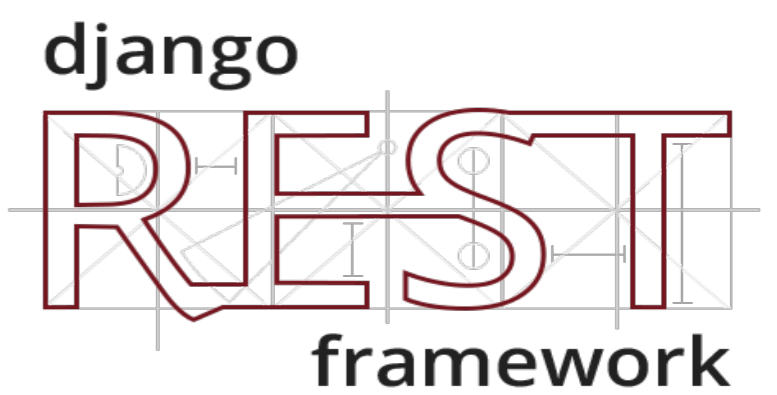
Serializer & Generic View
- Consistent View management

Optimization & Validation
- Query Optimization
- Validate all POST/PATCH method related requests & JSON responses
- Load testing with Locust

Permissions & Security
- **Authentication using** JWT Token & CSRF Token
- Permission **subdivided into various privileges**, such as author, recipient, etc.
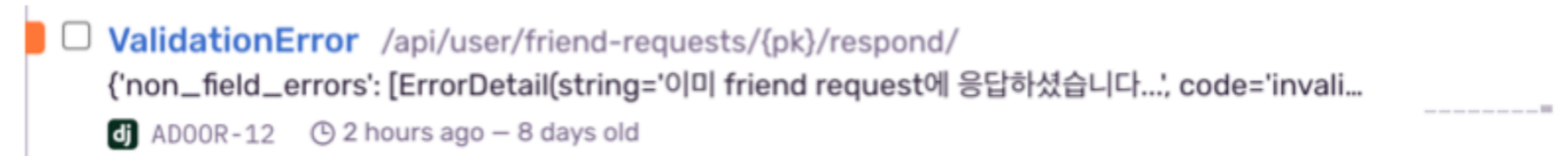- Server sends only the necessary information according to the rights of the requested user

Cron - Job Scheduling

Automated job schedules that is updated at regular intervals
- Generate daily questions every midnight
- Send notification of recommended questions every day
- Schedule ML modeling & adoor(Admin)'s Notification

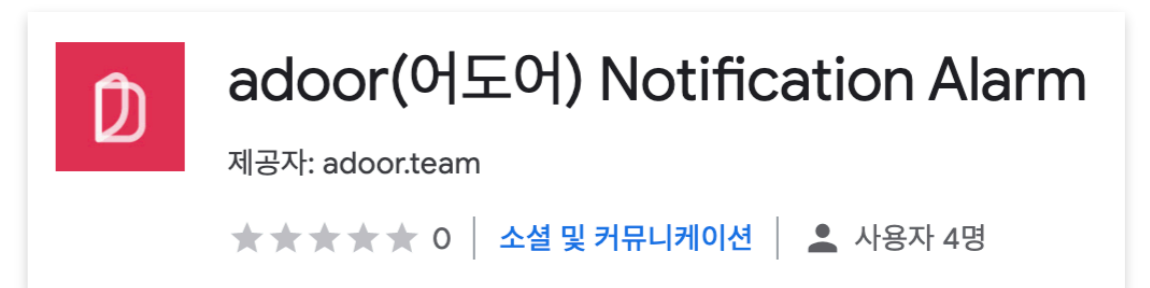### Error tracking with Sentry

Real time error monitoring & logging
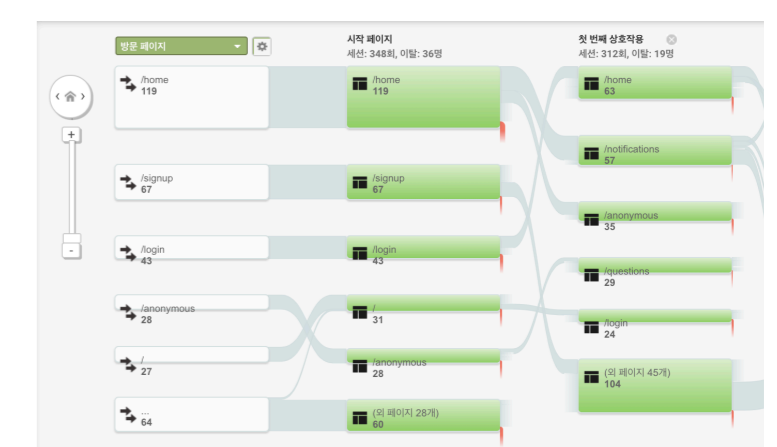

Model tracker - django-trackstats

For each model, the number of models created during the day is tracked and logged

Chrome Extension

adoor(어도어) Notification Alarm
제공자: adoor.team
★★★★★ 0 | 소셜 및 커뮤니케이션 | 👤 사용자 4명

Google Analytics

Set up **universal analytics** & tracking code
track **pageviews** and **user behavior flow**
track sources and medium of users' inflow

Future Plans

Segmentation of Friend Groups: user customizable friend group
Enhancement of **API granularity**
Develop **mobile application** (using React Native)