Eat Together, Moyobol!

Kim Yeonghyeon, Kim Hyemin, Lee Kangwook, Choo Hyunsuk

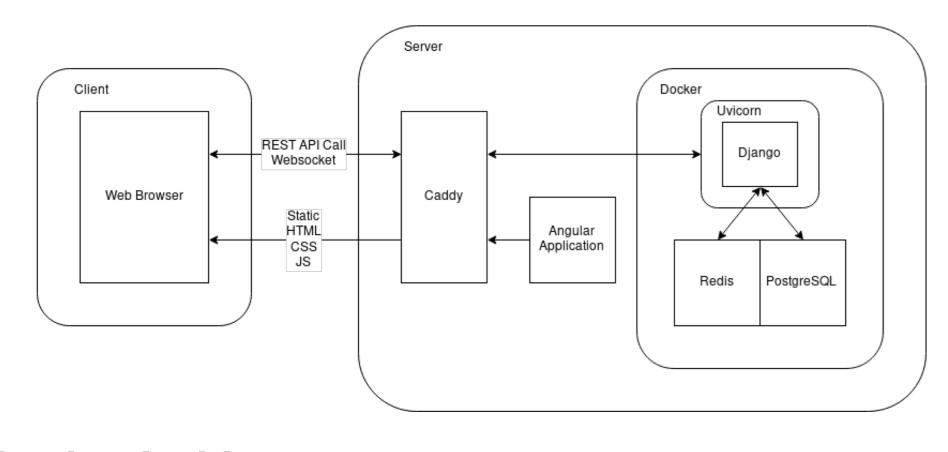
Introduction

Everyday in the SNU CSE club room, some problems happen repeatedly. Those are about ordering food delivery. Nearby student restaurants are not popular, so many students eat delivery food. They used to say, 'I want somebody to develop for our mealtimes'. So we did. Moyobob will be a wonderful service for everyone who would like to eat delivery foods together.

Key Features

- 1. Organizing party
- Party is an unit of people who want to eat together (e.g. CSE club room supper Chinese food party).
- 2. Decision making
- Each party has five phases: ChoosingRestaurant, ChoosingMenu, Ordering, Ordered, PaymentAndCollection.
- 3. Collecting a bill
- User can check the list of how much to give or receive.

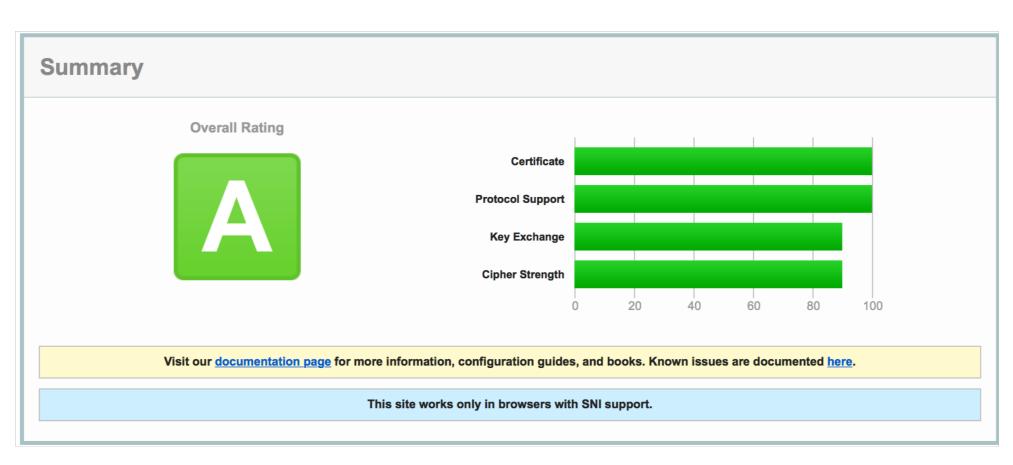
System Architecture

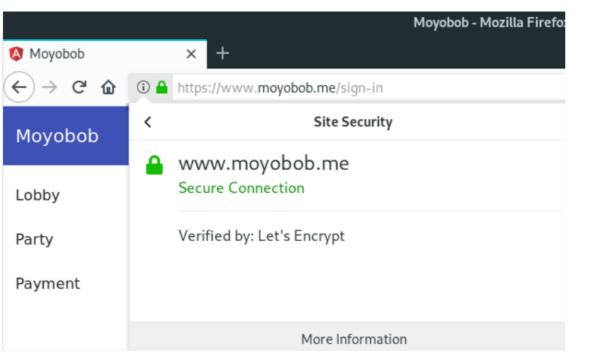


Deploy Architecture

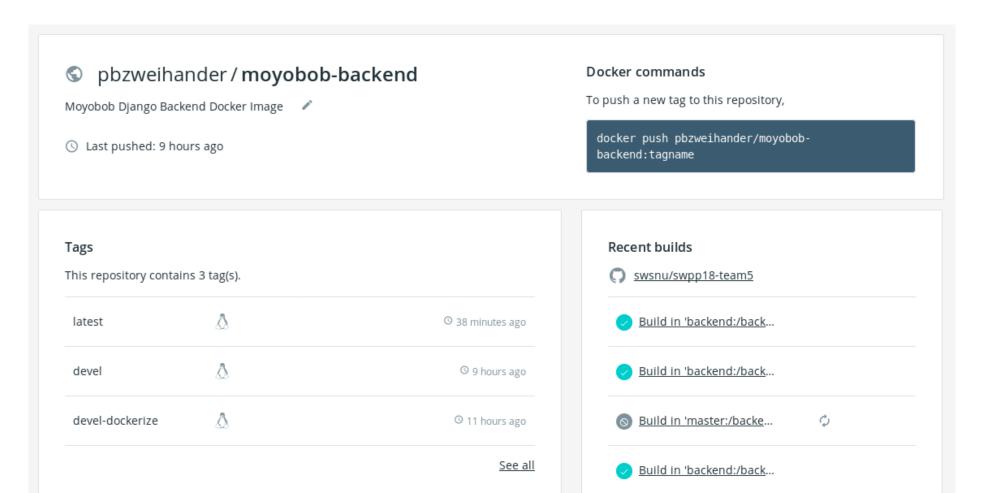
- 1. Docker and Docker-Compose for deploying
- Easy to deploy
- Easy to scale (scale up with Docker Swarm)
- 2. Uvicorn for ASGI
 - Blazing Fast ASGI Server
 - Supports Websocket
- 3. Caddy for Web Server
- Easy configuration

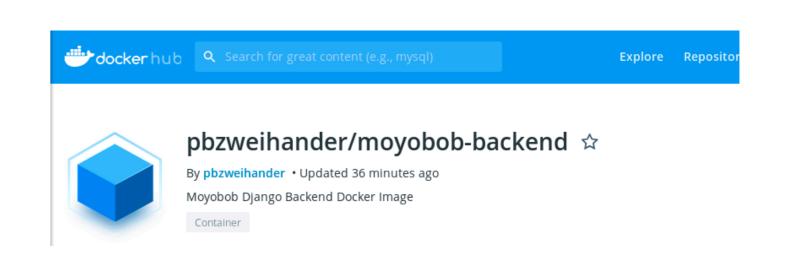
- Automatic HTTPS



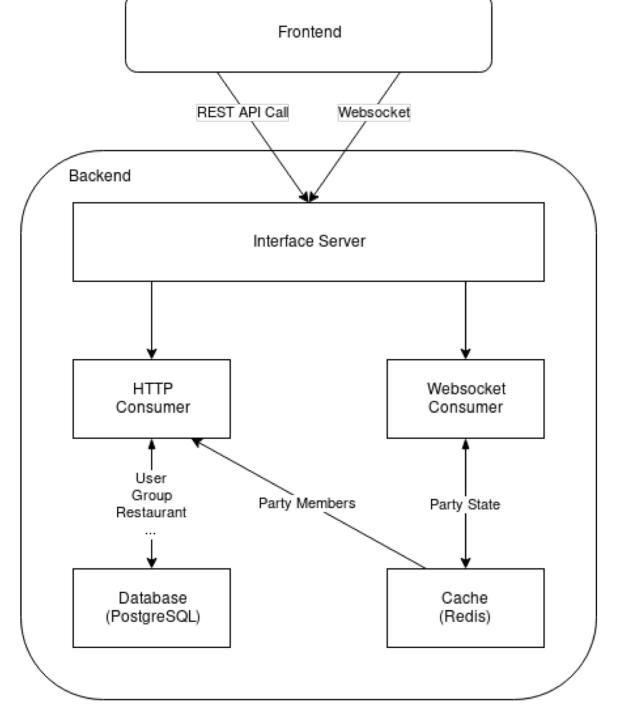


- Dedicated domain www.moyobob.me
- Full HTTPS support with Caddy
 - 'A' rated by Qualys SSL Test



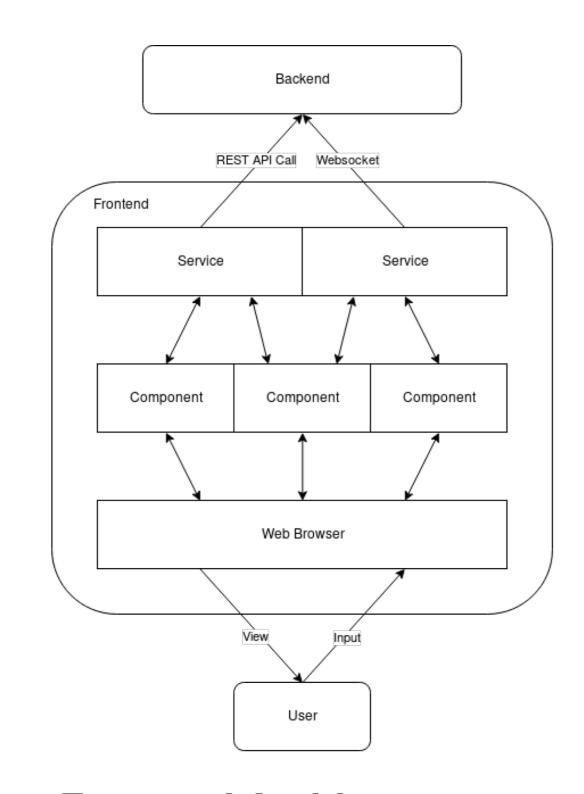


- Easy and Fast Deployment with Docker
- Docker Image is built with Docker Hub **Automated Build**



Backend Architecture

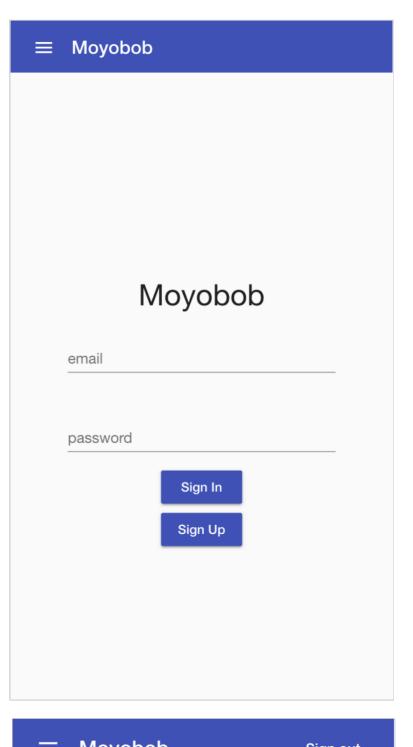
- 1. Websocket with Django Channels
- 2. Cache with Redis
- 3. DB with PostgreSQL

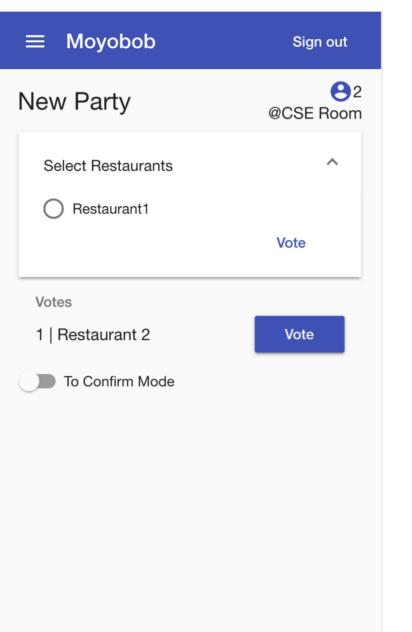


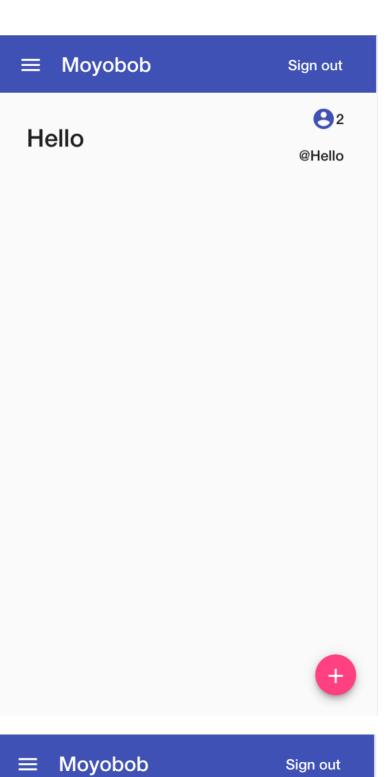
Frontend Architecture

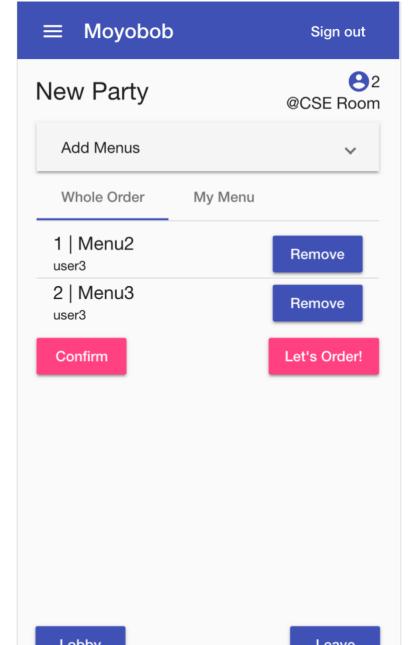
- 1. Websocket with rxjs
- 2. Angular's Service-Component System

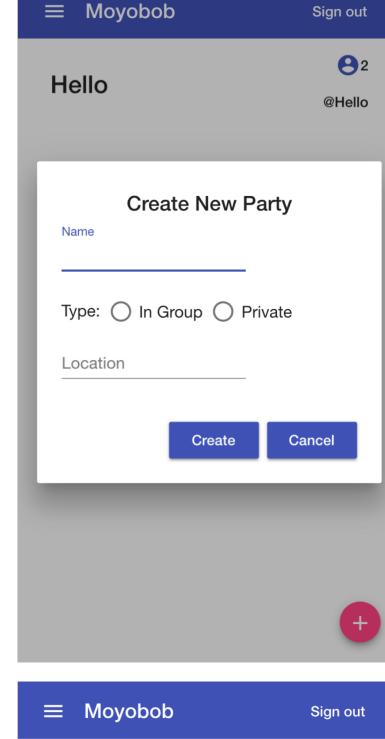
User Interface

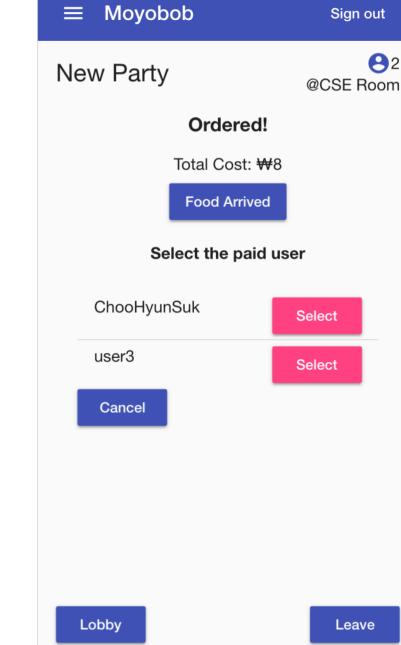




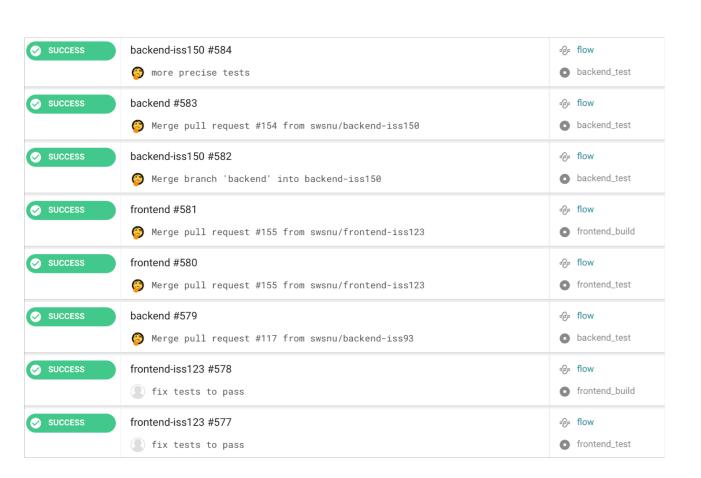








Test Coverage



📮 / backend / api					=
Files	=	•	•	•	Coverage
tests tests	376	376	0	0	100.009
admin.py	5	5	0	0	100.009
apps.py	3	3	0	0	100.009
decorator.py	56	56	0	0	100.009
migrations/0001_initial.py	7	7	0	0	100.009
i models.py	63	63	0	0	100.009
i urls.py i urls.py	3	3	0	0	100.009
ii util.py	28	28	0	0	100.009
i views.py	126	126	0	0	100.009
Folder Totals (9 files)	667	667	0	0	100.009
Project Totals (57 files)	2,438	2,192	7	239	89.909

Test Tool: CircleCI & Codecov

View of the test progress by CircleCl (left) & The overall coverage metric(right)

Future Work

- 1. Link with messenger like Slack and KakaoTalk
- 2. Add review of restaurant and menu feature
- 3. Improve service design