MukGo

...

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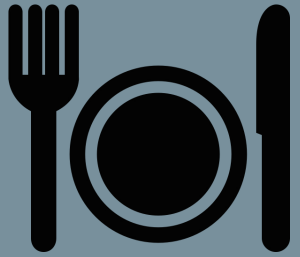
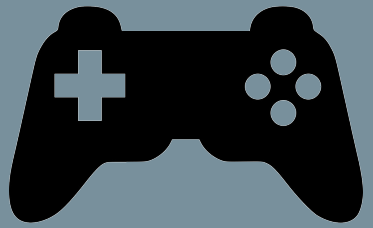
TARGET USER

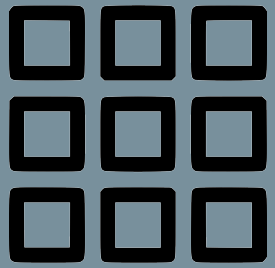
Want to show off their restaurant reviews





Interested in game

Don’t want unhealthy reviews



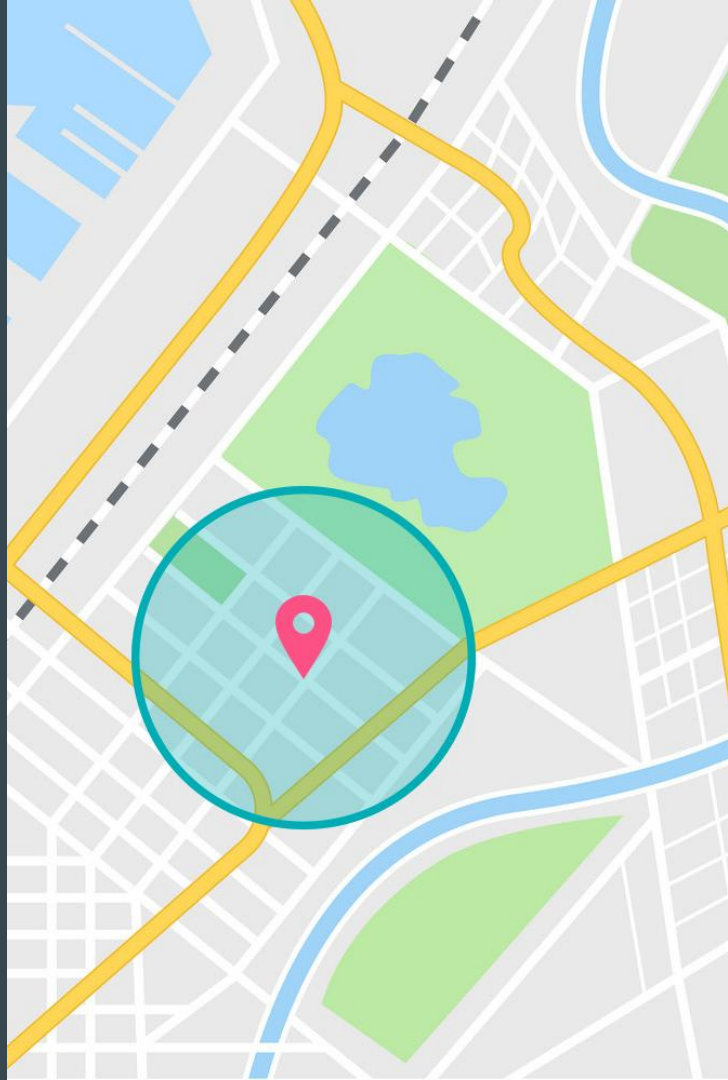
Want to see categorized reviews

KEY IDEA 1: Location Based

Users can only find restaurants within their **sights**.

Users can only leave reviews on places they **actually visits**.

Get recommendation based on current location.



KEY IDEA 2: Game Characteristic

Motivate users to record and to leave their visits.

Provide gradual services along with users' **level**.

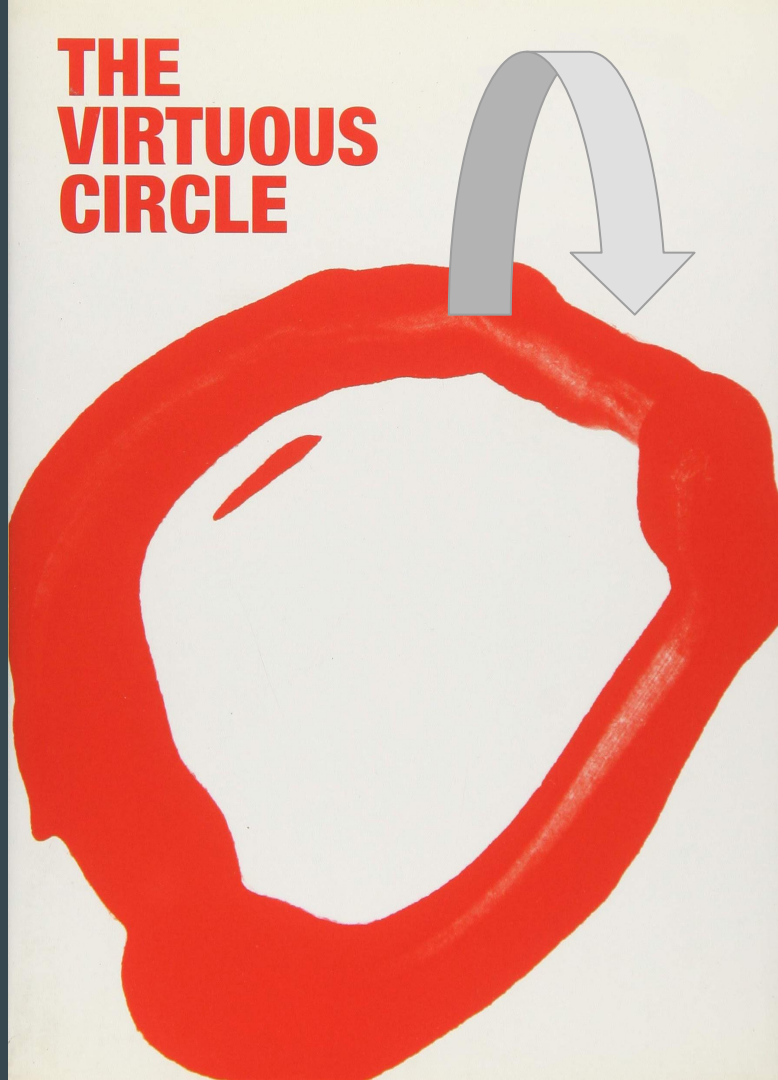
Each restaurants or places has their own history, so there can be **rankings** on some metrics.

KEY IDEA 3: Personalization

With key idea 1 & 2, meaningful review data will be **accumulated**.

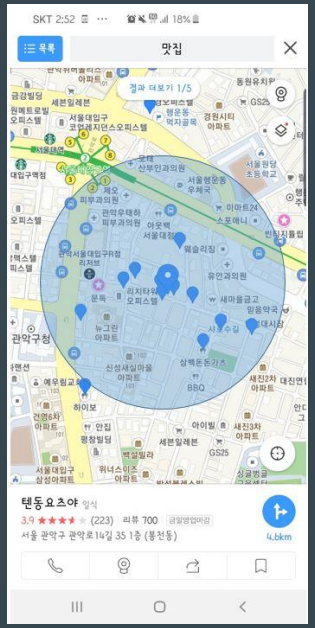
Use the data for making **personal** or **regional** focused information.

The more information users can get,
the **more visiting and reviews** they will make.

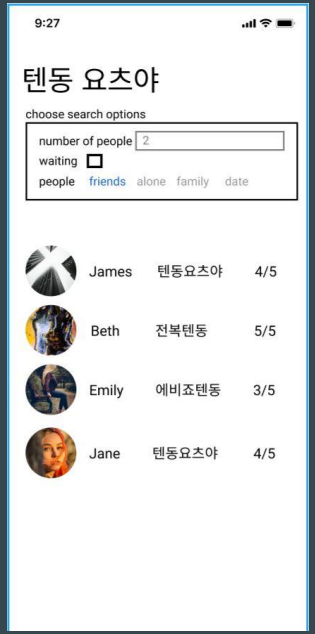


USER SCENARIO 1

An user is going to have dinner at 샤로수길 but has not decided where to go.



search for restaurants
in her '*sight*'



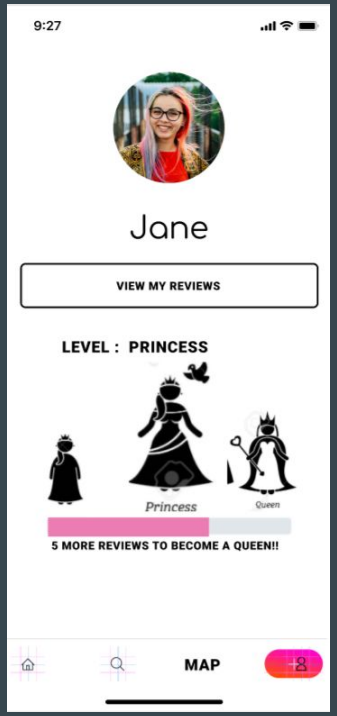
read reviews by
setting options

after enjoying dinner
leave a review about the restaurant!

USER SCENARIO 2

An user has left a lot of reviews → level up !!

wider ***'sight'***
: able to see more restaurants!

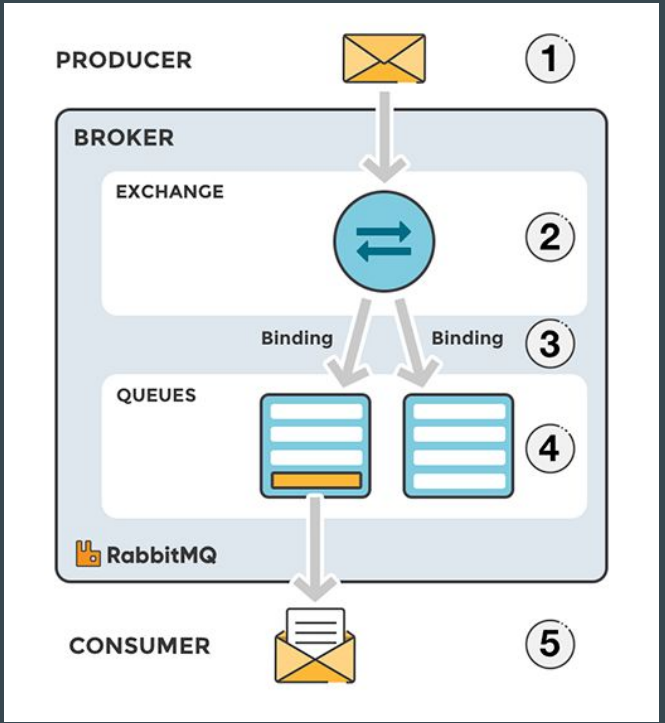


check your ***new level*** !

TECHNICAL CHALLENGES

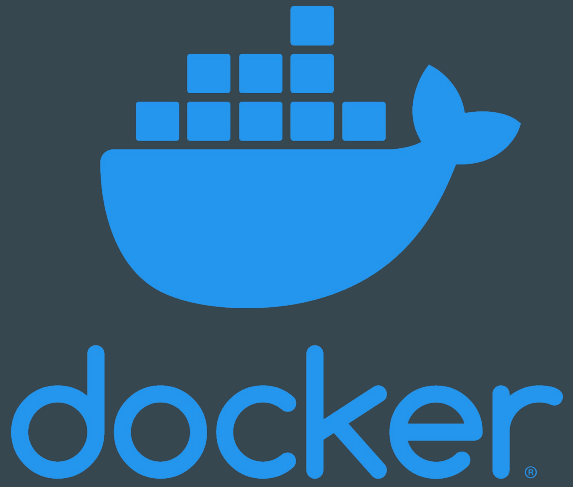
- Multiple servers running on AWS EC2 instances need to communicate each others without worrying about shutdown.
- Multiple clients need to subscribe messages from the server.
- AMQP with RabbitMQ

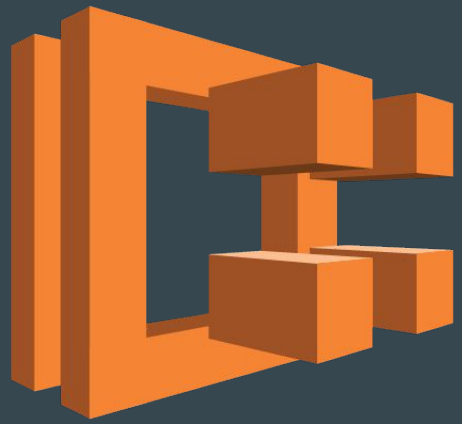
RabbitMQ

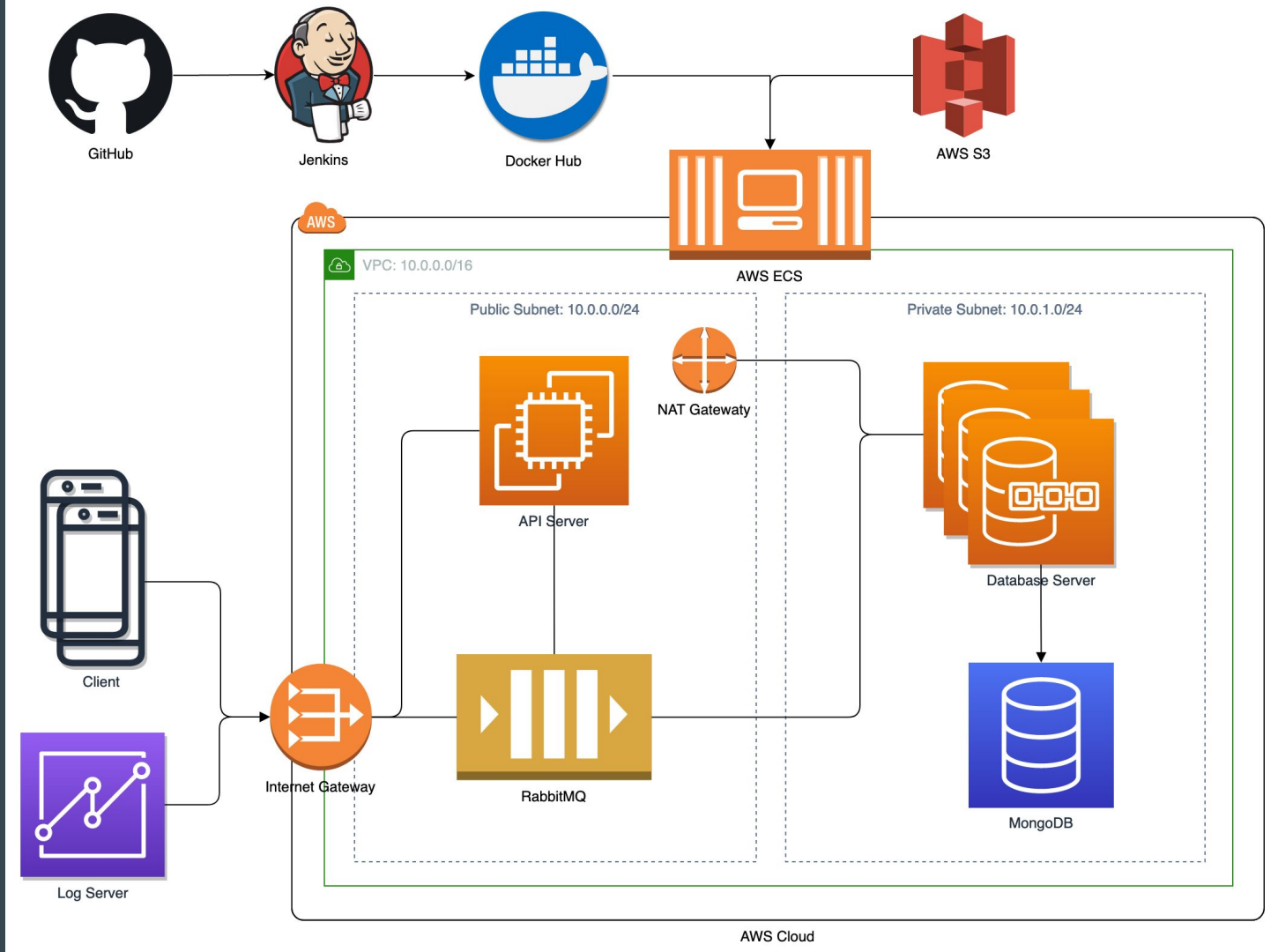


TECHNICAL CHALLENGES

- Need to deploy multiple servers into AWS EC2 instances.
- Containerization & CI/CD






GitHub
Jenkins
Docker Hub
AWS S3
AWS ECS
AWS
VPC: 10.0.0.0/16
Public Subnet: 10.0.0.0/24
Private Subnet: 10.0.1.0/24
NAT Gateway
API Server
Database Server
Client
Internet Gateway
RabbitMQ
MongoDB
Log Server
AWS Cloud

PROJECT PLAN

Timeline	September		October					November			
	3	4	1	2	3	4	5	1	2	3	4
OAuth 2.0	0	0									
Send Review		0	0	0	0						
User Information				0	0	0	0				
Map API		0	0	0	0	0	0	0			
Restaurant Info.						0	0	0	0	0	0
Protocol Definition	0	0	0	0	0	0	0	0	0	0	0

FINAL DELIVERABLE

- MukGo Android application.
- Provide and store a restaurant and game database with stable service.
- Location-based service operation.

SUCCESS CRITERIA

- Development Completion
  - Implement what we want to implement.
- Target User Satisfaction
  - Users can write review based on location.
  - The application has game characteristics. (character, level, ranking, etc.)
  - Users can get high-quality reviews.