



Mallook 포팅매뉴얼

개발 도구

- IntelliJ IDEA: 2023.3.4 (Ultimate Edition)
- Android Studio: 2022.3.1.21
- Visual Studio: 1.85.1

사용 도구

- 이슈 관리 : Jira
- 형상 관리 : GitLab
- 커뮤니케이션 : Notion, MatterMost
- 디자인 : Figma
- CI/CD : git-lab runner

개발 환경

BackEnd & FrontEnd & Data

- React 18
- Spring Boot 3.2.3
- Java 17
- flutter 3.19.3
- Dart 3.3.1
- Hadoop 3.3.6
- PySpark 3.1.2
- MongoDB

DevOps

- AWS-EC2
 - CPU: Intel(R) Xeon(R) CPU E5-2686 v4 @ 2.30GHz
 - OS: Ubuntu 20.04.6 LTS
 - RAM: 16GB
- MySQL: 8.0.35
- Redis: 7.2.4
- Docker 25.0.4
- Docker-Compose: 2.23.0
- Ubuntu 20.04.6 LTS
- gitlab-runner: 16.9.1

환경변수

- `local`, `dev`, `test`, `batch` 총 네 가지 프로필에서 프로젝트를 진행했습니다.
- 로컬 환경 개발에서는 `local`, 단위 테스트는 `test`, Batch 서버 배포는 `batch`, API 서버 배포는 `dev` 프로필에서 진행했습니다.

▼ APPLICATION_YML

```
server:
  port: 8080

spring:
  h2:
    console:
      enabled: false
      path: /h2-console
  data:
    jdbc:
      repositories:
        enabled: false
  redis:
    repositories:
```

```

        enabled: false
batch:
  job:
    enabled: true
  jdbc:
    initialize-schema: always

datasource:
  url: jdbc:mysql://zooting-rdbms.cp4iek82cj5e.ap-northe
  username: root
  password: zooting123
  driver-class-name: com.mysql.cj.jdbc.Driver
jpa:
  hibernate:
    ddl-auto: none
  show-sql: false
  properties:
    hibernate:
      format_sql: true
  defer-datasource-initialization: true
  generate-ddl: true
mvc:
  pathmatch:
    matching-strategy: ant_path_matcher
profiles:
  group:
    prod:
      - prod
      - oauth
    dev:
      - dev
      - oauth
    local:
      - local
      - oauth
    batch:
      - batch
      - oauth

```

```

    active: local
    include:
      - aws
      - redis

# JWT
jwt:
  key:
    salt: CFxEaXkBUZPFxKTaMucCiKGMWfqysMLnZAkUfQlWxCa0AqxCl
  expire-time:
    access-token: 18000 # 30분: 1800
    refresh-token: 1209600 # 14일
  issuer: mallook

client:
  redirect-url:
    success: https://j10a606.p.ssafy.io
    anonymous: https://j10a606.p.ssafy.io

logging:
  pattern:
    console: "%clr(%d{dd-MM-yyyy HH:mm:ss.SSS}){yellow} %c
  level:
    root: info

springdoc:
  api-docs:
    path: /api/api-docs
    groups:
      enabled: true
  swagger-ui:
    path: /api/swagger-ui.html
    enabled: true
    groups-order: asc
    tags-sorter: alpha
    operations-sorter: alpha
    display-request-duration: true
    doc-expansion: none

```

```

cache:
  disabled: true
  override-with-generic-response: false
  model-and-view-allowed: false
  default-consumes-media-type: application/json
  default-produces-media-type: application/json
  group-configs:
    - group: all-api
      paths-to-match:
        - /**
      paths-to-exclude:
        - /favicon.ico
        - /health
    - group: jwt-api
      paths-to-match:
        - /api/**
  show-actuator: true

management:
  endpoints:
    web:
      base-path: /api/actuator # actuator basic path 변경
      exposure:
        include: "*" # 모든 엔드 포인트 노출
  endpoint:
    health:
      show-details: always
      status:
        http-mapping:
          down: 500
          out_of_service: 503
  server:
    port: 8081

```

▼ APPLICATION_TEST_YML

```

spring:
  datasource:

```

```

url: jdbc:h2:mem:test # h2 support in-memory-db
username: sa
password:
driver-class-name: org.h2.Driver

jpa:
  hibernate:
    ddl-auto: create
  properties:
    hibernate:
      format_sql: true # log
config:
  activate:
    on-profile: test

logging.level:
  org.hibernate.SQL: debug

```

▼ APPLICATION_REDIS_YML

```

spring:
  data:
    redis:
      host: 127.0.0.1
      port: 6379
      lettuce:
        pool:
          max-active: 5 # pool에 할당될 수 있는 커넥션 최대수
          max-idle: 5 # pool의 'idle' 커넥션 최대수
          min-idle: 2
      config:
        activate:
          on-profile: local

---
spring:
  data:
    redis:

```

```

host: mallook-redis
port: 6379
lettuce:
  pool:
    max-active: 5 # pool에 할당될 수 있는 커넥션 최대수
    max-idle: 5 # pool의 'idle' 커넥션 최대수
    min-idle: 2
config:
  activate:
    on-profile: prod, dev, batch

```

▼ APPLICATION_OAUTH_YML

```

spring:
  security:
    oauth2:
      client:
        registration:
          kakao:
            client-id: 7f60c82b019baef34ace562c005dcc69
            client-secret: 7bixVH8llzRLpuzyGIiteztnIkqWpUJ
            redirect-uri: https://j10a606.p.ssafy.io/login
            client-authentication-method: client_secret_post
            authorization-grant-type: authorization_code
            scope: account_email
            client-name: Kakao
        provider:
          kakao:
            authorization_uri: https://kauth.kakao.com/oauth/authorize
            token_uri: https://kauth.kakao.com/oauth/token
            user-info-uri: https://kapi.kakao.com/v2/user/me
            user_name_attribute: id
      config:
        activate:
          on-profile: prod, dev, batch

---
spring:

```

```

security:
  oauth2:
    client:
      registration:
        kakao:
          client-id: 7f60c82b019baef34ace562c005dcc69
          client-secret: 7bixVH8llzRLpuzyGIiteztnIkqWpUJ
          redirect-uri: http://localhost:8080/login/oauth
          client-authentication-method: client_secret_po
          authorization-grant-type: authorization_code
          scope: account_email
          client-name: Kakao
      provider:
        kakao:
          authorization_uri: https://kauth.kakao.com/oauth
          token_uri: https://kauth.kakao.com/oauth/token
          user-info-uri: https://kapi.kakao.com/v2/user/
          user_name_attribute: id
config:
  activate:
    on-profile: local

```

▼ APPLICATION_DEV_YML

```

server:
  port: 8080
  role: api

spring:
  h2:
    console:
      enabled: false
      path: /h2-console
  batch:
    job:
      enabled: false
  data:
    jdbc:

```



```

    repositories:
      enabled: false
  redis:
    repositories:
      enabled: false
  mongodb:
    uri: mongodb+srv://root:R3MQHeXWnLco43kS@cluster0.st
datasource:
  url: jdbc:mysql://zooting-rdbms.cp4iek82cj5e.ap-northe
  username: root
  password: zooting123
  driver-class-name: com.mysql.cj.jdbc.Driver
jpa:
  hibernate:
    ddl-auto: update
  show-sql: false
  properties:
    hibernate:
      format_sql: true
  defer-datasource-initialization: true
  generate-ddl: true
mvc:
  pathmatch:
    matching-strategy: ant_path_matcher
config:
  activate:
    on-profile: dev

#JWT
jwt:
  key:
    salt: CFxEaXkBUZPFxKtaMucCiKGMWfqysMLnZAKufQlWxCa0AqxC
  expire-time:
    access-token: 18000 # 30분: 1800
    refresh-token: 1209600 # 14일
  issuer: mallook

client:

```

```

redirect-url:
  success: http://localhost:3000
  anonymous: http://localhost:3000

logging:
  pattern:
    console: "%clr(%d{dd-MM-yyyy HH:mm:ss.SSS}){yellow} %c
  level:
    root: info

springdoc:
  api-docs:
    path: /api/api-docs
    groups:
      enabled: true
  swagger-ui:
    path: /api/swagger-ui.html
    enabled: true
    groups-order: asc
    tags-sorter: alpha
    operations-sorter: alpha
    display-request-duration: true
    doc-expansion: none
  cache:
    disabled: true
  override-with-generic-response: false
  model-and-view-allowed: false
  default-consumes-media-type: application/json
  default-produces-media-type: application/json
  group-configs:
    - group: all-api
      paths-to-match:
        - /**
      paths-to-exclude:
        - /favicon.ico
        - /health
    - group: jwt-api
      paths-to-match:

```

```

    - /api/**
show-actuator: true

management:
  endpoints:
    web:
      base-path: /api/actuator # actuator basic path 변경
      exposure:
        include: "*" # 모든 엔드 포인트 노출
  endpoint:
    health:
      show-details: always
      status:
        http-mapping:
          down: 500
          out_of_service: 503
  server:
    port: 8081
chatgpt:
  api-key: sk-ZZ9mrVtgS1sYZNRBrdbqT3B1bkFJz4pvs997af11iVVQ

```

▼ APPLICATION_AWS_YML

```

spring:
  config:
    activate:
      on-profile: prod, dev, local, batch

cloud:
  aws:
    credentials:
      access-key: AKIAYS2NQF6UKU0DHUPJ
      secret-key: hZijmlfsyKDWVbWCaXWLfrIHF5+CuEb+Ya2/8Q8M
    s3:
      bucket: zooting-s3-bucket
    region:
      static: ap-northeast-2

```

```
stack:
  auto: false
```

▼ APPLICATION_BATCH_YML

```
server:
  role: batch

spring:
  h2:
    console:
      enabled: false
      path: /h2-console
  batch:
    job:
      name: heartInitJob
      enabled: true
  data:
    jdbc:
      repositories:
        enabled: false
    redis:
      repositories:
        enabled: false
    mongodb:
      uri: mongodb+srv://root:R3MQHeXWnLco43kS@cluster0.st
  datasource:
    url: jdbc:mysql://zooting-rdbms.cp4iek82cj5e.ap-northe
    username: root
    password: zooting123
    driver-class-name: com.mysql.cj.jdbc.Driver
  jpa:
    hibernate:
      ddl-auto: update
    show-sql: false
    properties:
      hibernate:
        format_sql: true
```

```

    defer-datasource-initialization: true
    generate-ddl: true
mvc:
    pathmatch:
        matching-strategy: ant_path_matcher
config:
    activate:
        on-profile: batch

#JWT
jwt:
    key:
        salt: CFxEaXkBUZPFxKTaMucCiKGMWfqysMLnZAkUfQlWxCaOAqxCl
    expire-time:
        access-token: 18000 # 30분: 1800
        refresh-token: 1209600 # 14일
    issuer: mallook

client:
    redirect-url:
        success: http://localhost:3000
        anonymous: http://localhost:3000

logging:
    pattern:
        console: "%clr(%d{dd-MM-yyyy HH:mm:ss.SSS}){yellow} %c
    level:
        root: info

springdoc:
    api-docs:
        path: /api/api-docs
        groups:
            enabled: true
    swagger-ui:
        path: /api/swagger-ui.html
        enabled: true
        groups-order: asc

```

```

tags-sorter: alpha
operations-sorter: alpha
display-request-duration: true
doc-expansion: none
cache:
  disabled: true
override-with-generic-response: false
model-and-view-allowed: false
default-consumes-media-type: application/json
default-produces-media-type: application/json
group-configs:
  - group: all-api
    paths-to-match:
      - /**
    paths-to-exclude:
      - /favicon.ico
      - /health
  - group: jwt-api
    paths-to-match:
      - /api/**
show-actuator: true

management:
  endpoints:
    web:
      base-path: /api/actuator # actuator basic path 변경
      exposure:
        include: "*" # 모든 엔드 포인트 노출
  endpoint:
    health:
      show-details: always
      status:
        http-mapping:
          down: 500
          out_of_service: 503
  chatgpt:
    api-key: sk-ZZ9mrVtgS1sYZNRBrdbqT3B1bkFJz4pvs997af11iVVQ

```

▼ APPLICATION_LOCAL_YML

```
server:
  port: 8080

spring:
  h2:
    console:
      enabled: false
      path: /h2-console
  batch:
    job:
      enabled: true
  jdbc:
    initialize-schema: always
  data:
    jdbc:
      repositories:
        enabled: false
    redis:
      repositories:
        enabled: false
    mongodb:
      uri: mongodb+srv://root:R3MQHeXWnLco43kS@cluster0.st
  datasource:
    url: jdbc:mysql://localhost:3306/learn?serverTimezone=
    username: ssafy
    password: 1234
    driver-class-name: com.mysql.cj.jdbc.Driver
  jpa:
    hibernate:
      ddl-auto: update
    show-sql: true
    properties:
      hibernate:
        format_sql: true
    defer-datasource-initialization: true
    generate-ddl: true
```

```

    open-in-view: false
  mvc:
    pathmatch:
      matching-strategy: ant_path_matcher
  config:
    activate:
      on-profile: local

#JWT
jwt:
  key:
    salt: CFxEaXkBUZPFxKtaMucCiKGMWfqysMLnZakUfQlWxCa0AqxCl
  expire-time:
    access-token: 18000 # 30분: 1800
    refresh-token: 1209600 # 14일
  issuer: mallook

client:
  redirect-url:
    success: http://localhost:3000
    anonymous: http://localhost:3000

logging:
  pattern:
    console: "%clr(%d{dd-MM-yyyy HH:mm:ss.SSS}){yellow} %c.
  level:
    root: info

springdoc:
  api-docs:
    path: /api/api-docs
    groups:
      enabled: true
  swagger-ui:
    path: /api/swagger-ui.html
    enabled: true
    groups-order: asc
    tags-sorter: alpha

```



```

    operations-sorter: alpha
    display-request-duration: true
    doc-expansion: none
cache:
    disabled: true
override-with-generic-response: false
model-and-view-allowed: false
default-consumes-media-type: application/json
default-produces-media-type: application/json
group-configs:
    - group: all-api
      paths-to-match:
        - /**
      paths-to-exclude:
        - /favicon.ico
        - /health
    - group: jwt-api
      paths-to-match:
        - /api/**
show-actuator: true

management:
  endpoints:
    web:
      base-path: /api/actuator # actuator basic path 변경
      exposure:
        include: "*" # 모든 엔드 포인트 노출
  endpoint:
    health:
      show-details: always
      status:
        http-mapping:
          down: 500
          out_of_service: 503
  server:
    port: 8081
chatgpt:
  api-key: sk-ZZ9mrVtgS1sYZNRBrdbqT3B1bkFJz4pvs997af11iVVQ

```

프로젝트에서 사용하는 외부 서비스 정보

- S3 : <https://s3.console.aws.amazon.com>
- 카카오 로그인 API :
<https://developers.kakao.com/docs/latest/ko/kakaologin/rest-api>
- 공공 데이터 포털 : <https://www.data.go.kr/index.do>
- MongoDB srv :
<https://www.mongodb.com/developer/products/mongodb/srv-connection-strings/>
- RDS: <https://aws.amazon.com/ko/rds/>
- ChatGPT: <https://platform.openai.com/overview>

DB dump 파일 - 최신본

```
CREATE DATABASE IF NOT EXISTS `mallook` /*!40100 DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci */  
USE `learn`;  
-- MySQL dump 10.13  Distrib 8.0.34, for Win64 (x86_64)  
--  
-- Host: 127.0.0.1    Database: learn  
--  
-- Server version      8.0.35  
  
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;  
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;  
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;  
/*!50503 SET NAMES utf8 */;  
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;  
/*!40103 SET TIME_ZONE='+00:00' */;  
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;  
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;  
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;  
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;
```

```

--
-- Table structure for table `batch_job_execution`
--

DROP TABLE IF EXISTS `batch_job_execution`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `batch_job_execution` (
  `JOB_EXECUTION_ID` bigint NOT NULL,
  `VERSION` bigint DEFAULT NULL,
  `JOB_INSTANCE_ID` bigint NOT NULL,
  `CREATE_TIME` datetime(6) NOT NULL,
  `START_TIME` datetime(6) DEFAULT NULL,
  `END_TIME` datetime(6) DEFAULT NULL,
  `STATUS` varchar(10) DEFAULT NULL,
  `EXIT_CODE` varchar(2500) DEFAULT NULL,
  `EXIT_MESSAGE` varchar(2500) DEFAULT NULL,
  `LAST_UPDATED` datetime(6) DEFAULT NULL,
  PRIMARY KEY (`JOB_EXECUTION_ID`),
  KEY `JOB_INST_EXEC_FK` (`JOB_INSTANCE_ID`),
  CONSTRAINT `JOB_INST_EXEC_FK` FOREIGN KEY (`JOB_INSTANCE_ID`
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `batch_job_execution`
--

LOCK TABLES `batch_job_execution` WRITE;
/*!40000 ALTER TABLE `batch_job_execution` DISABLE KEYS */;
INSERT INTO `batch_job_execution` VALUES (1,2,1,'2024-04-01 0
/*!40000 ALTER TABLE `batch_job_execution` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `batch_job_execution_context`
--

```

```

DROP TABLE IF EXISTS `batch_job_execution_context`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `batch_job_execution_context` (
  `JOB_EXECUTION_ID` bigint NOT NULL,
  `SHORT_CONTEXT` varchar(2500) NOT NULL,
  `SERIALIZED_CONTEXT` text,
  PRIMARY KEY (`JOB_EXECUTION_ID`),
  CONSTRAINT `JOB_EXEC_CTX_FK` FOREIGN KEY (`JOB_EXECUTION_ID`
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `batch_job_execution_context`
--

LOCK TABLES `batch_job_execution_context` WRITE;
/*!40000 ALTER TABLE `batch_job_execution_context` DISABLE KE
INSERT INTO `batch_job_execution_context` VALUES (1,'r00ABXNy
/*!40000 ALTER TABLE `batch_job_execution_context` ENABLE KEY
UNLOCK TABLES;

--
-- Table structure for table `batch_job_execution_params`
--

DROP TABLE IF EXISTS `batch_job_execution_params`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `batch_job_execution_params` (
  `JOB_EXECUTION_ID` bigint NOT NULL,
  `PARAMETER_NAME` varchar(100) NOT NULL,
  `PARAMETER_TYPE` varchar(100) NOT NULL,
  `PARAMETER_VALUE` varchar(2500) DEFAULT NULL,
  `IDENTIFYING` char(1) NOT NULL,
  KEY `JOB_EXEC_PARAMS_FK` (`JOB_EXECUTION_ID`),
  CONSTRAINT `JOB_EXEC_PARAMS_FK` FOREIGN KEY (`JOB_EXECUTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_

```

```

/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `batch_job_execution_params`
--

LOCK TABLES `batch_job_execution_params` WRITE;
/*!40000 ALTER TABLE `batch_job_execution_params` DISABLE KEYS */;
INSERT INTO `batch_job_execution_params` VALUES (1,'run.id','');
/*!40000 ALTER TABLE `batch_job_execution_params` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `batch_job_execution_seq`
--

DROP TABLE IF EXISTS `batch_job_execution_seq`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `batch_job_execution_seq` (
  `ID` bigint NOT NULL,
  `UNIQUE_KEY` char(1) NOT NULL,
  UNIQUE KEY `UNIQUE_KEY_UN` (`UNIQUE_KEY`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `batch_job_execution_seq`
--

LOCK TABLES `batch_job_execution_seq` WRITE;
/*!40000 ALTER TABLE `batch_job_execution_seq` DISABLE KEYS */;
INSERT INTO `batch_job_execution_seq` VALUES (2,'0');
/*!40000 ALTER TABLE `batch_job_execution_seq` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `batch_job_instance`

```

```

--

DROP TABLE IF EXISTS `batch_job_instance`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `batch_job_instance` (
  `JOB_INSTANCE_ID` bigint NOT NULL,
  `VERSION` bigint DEFAULT NULL,
  `JOB_NAME` varchar(100) NOT NULL,
  `JOB_KEY` varchar(32) NOT NULL,
  PRIMARY KEY (`JOB_INSTANCE_ID`),
  UNIQUE KEY `JOB_INST_UN` (`JOB_NAME`,`JOB_KEY`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `batch_job_instance`
--

LOCK TABLES `batch_job_instance` WRITE;
/*!40000 ALTER TABLE `batch_job_instance` DISABLE KEYS */;
INSERT INTO `batch_job_instance` VALUES (1,0,'heartInitJob','
/*!40000 ALTER TABLE `batch_job_instance` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `batch_job_seq`
--

DROP TABLE IF EXISTS `batch_job_seq`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `batch_job_seq` (
  `ID` bigint NOT NULL,
  `UNIQUE_KEY` char(1) NOT NULL,
  UNIQUE KEY `UNIQUE_KEY_UN` (`UNIQUE_KEY`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `batch_job_seq`
--

LOCK TABLES `batch_job_seq` WRITE;
/*!40000 ALTER TABLE `batch_job_seq` DISABLE KEYS */;
INSERT INTO `batch_job_seq` VALUES (2,'0');
/*!40000 ALTER TABLE `batch_job_seq` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `batch_step_execution`
--

DROP TABLE IF EXISTS `batch_step_execution`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `batch_step_execution` (
  `STEP_EXECUTION_ID` bigint NOT NULL,
  `VERSION` bigint NOT NULL,
  `STEP_NAME` varchar(100) NOT NULL,
  `JOB_EXECUTION_ID` bigint NOT NULL,
  `CREATE_TIME` datetime(6) NOT NULL,
  `START_TIME` datetime(6) DEFAULT NULL,
  `END_TIME` datetime(6) DEFAULT NULL,
  `STATUS` varchar(10) DEFAULT NULL,
  `COMMIT_COUNT` bigint DEFAULT NULL,
  `READ_COUNT` bigint DEFAULT NULL,
  `FILTER_COUNT` bigint DEFAULT NULL,
  `WRITE_COUNT` bigint DEFAULT NULL,
  `READ_SKIP_COUNT` bigint DEFAULT NULL,
  `WRITE_SKIP_COUNT` bigint DEFAULT NULL,
  `PROCESS_SKIP_COUNT` bigint DEFAULT NULL,
  `ROLLBACK_COUNT` bigint DEFAULT NULL,
  `EXIT_CODE` varchar(2500) DEFAULT NULL,
  `EXIT_MESSAGE` varchar(2500) DEFAULT NULL,
  `LAST_UPDATED` datetime(6) DEFAULT NULL,

```

```

PRIMARY KEY (`STEP_EXECUTION_ID`),
KEY `JOB_EXEC_STEP_FK` (`JOB_EXECUTION_ID`),
CONSTRAINT `JOB_EXEC_STEP_FK` FOREIGN KEY (`JOB_EXECUTION_ID`
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `batch_step_execution`
--

LOCK TABLES `batch_step_execution` WRITE;
/*!40000 ALTER TABLE `batch_step_execution` DISABLE KEYS */;
INSERT INTO `batch_step_execution` VALUES (1,3,'changeScripts');
/*!40000 ALTER TABLE `batch_step_execution` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `batch_step_execution_context`
--

DROP TABLE IF EXISTS `batch_step_execution_context`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `batch_step_execution_context` (
  `STEP_EXECUTION_ID` bigint NOT NULL,
  `SHORT_CONTEXT` varchar(2500) NOT NULL,
  `SERIALIZED_CONTEXT` text,
  PRIMARY KEY (`STEP_EXECUTION_ID`),
  CONSTRAINT `STEP_EXEC_CTX_FK` FOREIGN KEY (`STEP_EXECUTION_ID`
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `batch_step_execution_context`
--

LOCK TABLES `batch_step_execution_context` WRITE;
/*!40000 ALTER TABLE `batch_step_execution_context` DISABLE KEYS */;

```



```

INSERT INTO `batch_step_execution_context` VALUES (1,'r00ABXN');
/*!40000 ALTER TABLE `batch_step_execution_context` ENABLE KEYS */
UNLOCK TABLES;

--
-- Table structure for table `batch_step_execution_seq`
--

DROP TABLE IF EXISTS `batch_step_execution_seq`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `batch_step_execution_seq` (
  `ID` bigint NOT NULL,
  `UNIQUE_KEY` char(1) NOT NULL,
  UNIQUE KEY `UNIQUE_KEY_UN` (`UNIQUE_KEY`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `batch_step_execution_seq`
--

LOCK TABLES `batch_step_execution_seq` WRITE;
/*!40000 ALTER TABLE `batch_step_execution_seq` DISABLE KEYS */
INSERT INTO `batch_step_execution_seq` VALUES (8,'0');
/*!40000 ALTER TABLE `batch_step_execution_seq` ENABLE KEYS */
UNLOCK TABLES;

--
-- Table structure for table `cart`
--

DROP TABLE IF EXISTS `cart`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `cart` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,

```

```

`status` bit(1) DEFAULT NULL,
`updated_at` datetime(6) DEFAULT NULL,
`total_count` bigint NOT NULL,
`total_fee` bigint NOT NULL DEFAULT '0',
`total_price` bigint NOT NULL DEFAULT '0',
`member_id` binary(16) NOT NULL,
PRIMARY KEY (`id`),
KEY `FKix170nytunweovf2v9137mx2o` (`member_id`),
CONSTRAINT `FKix170nytunweovf2v9137mx2o` FOREIGN KEY (`member_id`)
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `cart`
--

LOCK TABLES `cart` WRITE;
/*!40000 ALTER TABLE `cart` DISABLE KEYS */;
/*!40000 ALTER TABLE `cart` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `cart_product`
--

DROP TABLE IF EXISTS `cart_product`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `cart_product` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `product_id` varchar(255) NOT NULL,
  `product_color` varchar(255) DEFAULT NULL,
  `product_count` int NOT NULL,
  `product_fee` int NOT NULL,
  `product_image` varchar(255) DEFAULT NULL,

```

```

`product_name` varchar(255) DEFAULT NULL,
`product_price` int NOT NULL,
`product_size` varchar(255) DEFAULT NULL,
`cart_id` bigint NOT NULL,
`shoppingmall_id` bigint DEFAULT NULL,
PRIMARY KEY (`id`),
KEY `FKlv5x4iresnv4xspvomrwd8ej9` (`cart_id`),
KEY `FKe3nvp2ygvionfr3b6b5bcyp7r` (`shoppingmall_id`),
CONSTRAINT `FKe3nvp2ygvionfr3b6b5bcyp7r` FOREIGN KEY (`shop
CONSTRAINT `FKlv5x4iresnv4xspvomrwd8ej9` FOREIGN KEY (`cart
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `cart_product`
--

LOCK TABLES `cart_product` WRITE;
/*!40000 ALTER TABLE `cart_product` DISABLE KEYS */;
/*!40000 ALTER TABLE `cart_product` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `coupon`
--

DROP TABLE IF EXISTS `coupon`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `coupon` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `amount` bigint NOT NULL,
  `expired_time` datetime(6) NOT NULL,
  `name` varchar(255) DEFAULT NULL,
  `stock` int DEFAULT NULL,

```

```

    `type` enum('MONEY','RATIO') NOT NULL,
    PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `coupon`
--

LOCK TABLES `coupon` WRITE;
/*!40000 ALTER TABLE `coupon` DISABLE KEYS */;
/*!40000 ALTER TABLE `coupon` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `file`
--

DROP TABLE IF EXISTS `file`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `file` (
  `s3file_id` binary(16) NOT NULL,
  `file_dir` varchar(255) DEFAULT NULL,
  `file_name` varchar(255) DEFAULT NULL,
  `origin_file_name` varchar(255) DEFAULT NULL,
  `s3data_url` varchar(255) DEFAULT NULL,
  PRIMARY KEY (`s3file_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `file`
--

LOCK TABLES `file` WRITE;
/*!40000 ALTER TABLE `file` DISABLE KEYS */;
/*!40000 ALTER TABLE `file` ENABLE KEYS */;

```

```

UNLOCK TABLES;

--
-- Table structure for table `grade`
--

DROP TABLE IF EXISTS `grade`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `grade` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `level` enum('LEVEL7','LEVEL6','LEVEL5','LEVEL4','LEVEL3','LEVEL2','LEVEL1') DEFAULT NULL,
  `member_id` binary(16) DEFAULT NULL,
  PRIMARY KEY (`id`),
  UNIQUE KEY `UK_ivhjlevenvqwg2834o1n5oiw` (`member_id`),
  CONSTRAINT `FK2wk5escbaepevy099uuma41po` FOREIGN KEY (`member_id`) REFERENCES `member` (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `grade`
--

LOCK TABLES `grade` WRITE;
/*!40000 ALTER TABLE `grade` DISABLE KEYS */;
INSERT INTO `grade` VALUES (1, '2024-04-03 04:47:31.774853', 1, NULL, NULL, 'LEVEL7', '0000000000000000');
/*!40000 ALTER TABLE `grade` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `keyword`
--

DROP TABLE IF EXISTS `keyword`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;

```

```

/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `keyword` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `name` varchar(255) NOT NULL,
  `product_id` bigint DEFAULT NULL,
  `script_id` bigint DEFAULT NULL,
  `style_id` bigint DEFAULT NULL,
  PRIMARY KEY (`id`),
  KEY `FK41jvpntk5l64eeh8rd909ljd4` (`product_id`),
  KEY `FK5dwqbhdm37cqa6bvtqjst2epa` (`script_id`),
  KEY `FKmt2rdi3ej8hfw60jveoc70rbt` (`style_id`),
  CONSTRAINT `FK41jvpntk5l64eeh8rd909ljd4` FOREIGN KEY (`prod
  CONSTRAINT `FK5dwqbhdm37cqa6bvtqjst2epa` FOREIGN KEY (`scri
  CONSTRAINT `FKmt2rdi3ej8hfw60jveoc70rbt` FOREIGN KEY (`styl
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `keyword`
--

LOCK TABLES `keyword` WRITE;
/*!40000 ALTER TABLE `keyword` DISABLE KEYS */;
/*!40000 ALTER TABLE `keyword` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `member`
--

DROP TABLE IF EXISTS `member`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `member` (
  `member_id` binary(16) NOT NULL,

```

```

`created_at` datetime(6) DEFAULT NULL,
`status` bit(1) DEFAULT NULL,
`updated_at` datetime(6) DEFAULT NULL,
`address` varchar(255) DEFAULT NULL,
`city` varchar(255) DEFAULT NULL,
`district` varchar(255) DEFAULT NULL,
`zipcode` varchar(255) DEFAULT NULL,
`birth` datetime(6) DEFAULT NULL,
`exp` bigint DEFAULT NULL,
`gender` enum('MAN','WOMAN') DEFAULT NULL,
`nickname` varchar(255) DEFAULT NULL,
`nickname_tag` varchar(255) DEFAULT NULL,
`phone` varchar(255) DEFAULT NULL,
`point` bigint DEFAULT NULL,
PRIMARY KEY (`member_id`),
UNIQUE KEY `UK_6ithqvsrvrcawbi9dtxu0ttsny` (`phone`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `member`
--

LOCK TABLES `member` WRITE;
/*!40000 ALTER TABLE `member` DISABLE KEYS */;
INSERT INTO `member` VALUES (_binary '7n\?uqI핑L?' E0, '2024
/*!40000 ALTER TABLE `member` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `member_coupon`
--

DROP TABLE IF EXISTS `member_coupon`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `member_coupon` (
  `id` bigint NOT NULL AUTO_INCREMENT,

```

```

    `created_at` datetime(6) DEFAULT NULL,
    `status` bit(1) DEFAULT NULL,
    `updated_at` datetime(6) DEFAULT NULL,
    `coupon_id` bigint NOT NULL,
    `member_id` binary(16) NOT NULL,
    PRIMARY KEY (`id`),
    KEY `FKkxw7ja7v55gk4a368w3gs6s0j` (`coupon_id`),
    KEY `FKf8n3lu0dfwmhvcikamg220lgg` (`member_id`),
    CONSTRAINT `FKf8n3lu0dfwmhvcikamg220lgg` FOREIGN KEY (`member_id`) REFERENCES `member` (`id`),
    CONSTRAINT `FKkxw7ja7v55gk4a368w3gs6s0j` FOREIGN KEY (`coupon_id`) REFERENCES `coupon` (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `member_coupon`
--

LOCK TABLES `member_coupon` WRITE;
/*!40000 ALTER TABLE `member_coupon` DISABLE KEYS */;
/*!40000 ALTER TABLE `member_coupon` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `member_role`
--

DROP TABLE IF EXISTS `member_role`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `member_role` (
  `member_id` binary(16) NOT NULL,
  `role` enum('ANONYMOUS','BASIC_USER','USER','MANAGER','ADMIN') NOT NULL,
  KEY `FK34g7epqlcxqloewku3aoqhmg` (`member_id`),
  CONSTRAINT `FK34g7epqlcxqloewku3aoqhmg` FOREIGN KEY (`member_id`) REFERENCES `member` (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--

```



```

-- Dumping data for table `member_role`
--

LOCK TABLES `member_role` WRITE;
/*!40000 ALTER TABLE `member_role` DISABLE KEYS */;
INSERT INTO `member_role` VALUES (_binary '7n\?uqI핑L?' EO', '
/*!40000 ALTER TABLE `member_role` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `orders`
--

DROP TABLE IF EXISTS `orders`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `orders` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `total_count` bigint NOT NULL,
  `total_fee` bigint NOT NULL,
  `total_price` bigint NOT NULL,
  `member_id` binary(16) NOT NULL,
  PRIMARY KEY (`id`),
  KEY `FKpktxwhj3x9m4gth5ff6bkqgeb` (`member_id`),
  CONSTRAINT `FKpktxwhj3x9m4gth5ff6bkqgeb` FOREIGN KEY (`member_id`)
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `orders`
--

LOCK TABLES `orders` WRITE;
/*!40000 ALTER TABLE `orders` DISABLE KEYS */;
/*!40000 ALTER TABLE `orders` ENABLE KEYS */;

```

```

UNLOCK TABLES;

--
-- Table structure for table `product`
--

DROP TABLE IF EXISTS `product`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `product` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `brand_name` varchar(255) DEFAULT NULL,
  `code` varchar(255) DEFAULT NULL,
  `color` varchar(255) DEFAULT NULL,
  `fee` int NOT NULL,
  `image` varchar(255) DEFAULT NULL,
  `main_category` enum('TOP','BOTTOM') NOT NULL,
  `name` varchar(255) DEFAULT NULL,
  `price` int NOT NULL,
  `quantity` int NOT NULL,
  `size` varchar(255) DEFAULT NULL,
  `sub_category` enum('SPORT','FORMAL') NOT NULL,
  `url` varchar(255) DEFAULT NULL,
  `shoppingmall_id` bigint NOT NULL,
  PRIMARY KEY (`id`),
  KEY `FKocwtu7tko7xf5ya0q8ym0rat5` (`shoppingmall_id`),
  CONSTRAINT `FKocwtu7tko7xf5ya0q8ym0rat5` FOREIGN KEY (`shop
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `product`
--

LOCK TABLES `product` WRITE;

```

```

/*!40000 ALTER TABLE `product` DISABLE KEYS */;
/*!40000 ALTER TABLE `product` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `product_history`
--

DROP TABLE IF EXISTS `product_history`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `product_history` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `product_color` varchar(255) DEFAULT NULL,
  `product_count` int NOT NULL,
  `product_image` varchar(255) DEFAULT NULL,
  `product_name` varchar(255) NOT NULL,
  `product_price` int NOT NULL,
  `product_size` varchar(255) DEFAULT NULL,
  `orders_id` bigint DEFAULT NULL,
  PRIMARY KEY (`id`),
  KEY `FKjx68qhk6dxan574bbw4ud4rre` (`orders_id`),
  CONSTRAINT `FKjx68qhk6dxan574bbw4ud4rre` FOREIGN KEY (`orders_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `product_history`
--

LOCK TABLES `product_history` WRITE;
/*!40000 ALTER TABLE `product_history` DISABLE KEYS */;
/*!40000 ALTER TABLE `product_history` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `product_keyword_list`
--

DROP TABLE IF EXISTS `product_keyword_list`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `product_keyword_list` (
  `product_id` bigint NOT NULL,
  `keyword_list` varchar(255) DEFAULT NULL,
  KEY `FK7axwhyw2x1fa76ph8hqmxxvko9` (`product_id`),
  CONSTRAINT `FK7axwhyw2x1fa76ph8hqmxxvko9` FOREIGN KEY (`product_id`)
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `product_keyword_list`
--

LOCK TABLES `product_keyword_list` WRITE;
/*!40000 ALTER TABLE `product_keyword_list` DISABLE KEYS */;
/*!40000 ALTER TABLE `product_keyword_list` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `script`
--

DROP TABLE IF EXISTS `script`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `script` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `heart_count` int NOT NULL,
  `name` varchar(255) DEFAULT NULL,

```

```

    `total_like` int NOT NULL,
    `member_id` binary(16) NOT NULL,
    PRIMARY KEY (`id`),
    KEY `idx_script_total_like` (`total_like`),
    KEY `FKdxw6v1db2tctekr8q23un8imd` (`member_id`),
    CONSTRAINT `FKdxw6v1db2tctekr8q23un8imd` FOREIGN KEY (`memb
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLL
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `script`
--

LOCK TABLES `script` WRITE;
/*!40000 ALTER TABLE `script` DISABLE KEYS */;
INSERT INTO `script` VALUES (1,'2024-04-03 04:40:04.249998',_
/*!40000 ALTER TABLE `script` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `script_heart`
--

DROP TABLE IF EXISTS `script_heart`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `script_heart` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `member_id` binary(16) NOT NULL,
  `script_id` bigint DEFAULT NULL,
  PRIMARY KEY (`id`),
  KEY `FK42flruajlsa3jjxoptlecm3jq` (`member_id`),
  KEY `FKksckx9xgrbxswccr8eeuuh4o` (`script_id`),
  CONSTRAINT `FK42flruajlsa3jjxoptlecm3jq` FOREIGN KEY (`memb
  CONSTRAINT `FKksckx9xgrbxswccr8eeuuh4o` FOREIGN KEY (`scri

```

```

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `script_heart`
--

LOCK TABLES `script_heart` WRITE;
/*!40000 ALTER TABLE `script_heart` DISABLE KEYS */;
/*!40000 ALTER TABLE `script_heart` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `script_keyword_list`
--

DROP TABLE IF EXISTS `script_keyword_list`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `script_keyword_list` (
  `script_id` bigint NOT NULL,
  `keyword_list` varchar(255) DEFAULT NULL,
  KEY `FKsb34gauudk1np45ea8x9redqq` (`script_id`),
  CONSTRAINT `FKsb34gauudk1np45ea8x9redqq` FOREIGN KEY (`scri
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `script_keyword_list`
--

LOCK TABLES `script_keyword_list` WRITE;
/*!40000 ALTER TABLE `script_keyword_list` DISABLE KEYS */;
INSERT INTO `script_keyword_list` VALUES (1, '?뽕'), (1, '媛맏?
/*!40000 ALTER TABLE `script_keyword_list` ENABLE KEYS */;
UNLOCK TABLES;

--

```

```

-- Table structure for table `shopping_mall`
--

DROP TABLE IF EXISTS `shopping_mall`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `shopping_mall` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `name` varchar(255) DEFAULT NULL,
  `url` varchar(2083) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `shopping_mall`
--

LOCK TABLES `shopping_mall` WRITE;
/*!40000 ALTER TABLE `shopping_mall` DISABLE KEYS */;
/*!40000 ALTER TABLE `shopping_mall` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `social_member`
--

DROP TABLE IF EXISTS `social_member`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `social_member` (
  `social_member_id` bigint NOT NULL AUTO_INCREMENT,
  `email` varchar(255) NOT NULL,
  `social_id` varchar(255) DEFAULT NULL,
  `social_type` enum('KAKAO','NAVER','GOOGLE') DEFAULT NULL,

```

```

    `member_id` binary(16) DEFAULT NULL,
    PRIMARY KEY (`social_member_id`),
    KEY `FKkreqgrxo2y1kx1ftdhkdm7k24` (`member_id`),
    CONSTRAINT `FKkreqgrxo2y1kx1ftdhkdm7k24` FOREIGN KEY (`memb
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLL
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `social_member`
--

LOCK TABLES `social_member` WRITE;
/*!40000 ALTER TABLE `social_member` DISABLE KEYS */;
INSERT INTO `social_member` VALUES (1, '87guddn68@naver.com', '
/*!40000 ALTER TABLE `social_member` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `style`
--

DROP TABLE IF EXISTS `style`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `style` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `heart_count` bigint NOT NULL,
  `img_url` varchar(255) DEFAULT NULL,
  `name` varchar(255) DEFAULT NULL,
  `total_like` int NOT NULL,
  `member_id` binary(16) NOT NULL,
  PRIMARY KEY (`id`),
  KEY `idx_style_total_like` (`total_like`),
  KEY `FKpav596ujfm0wbanwjb21j4qhb` (`member_id`),
  CONSTRAINT `FKpav596ujfm0wbanwjb21j4qhb` FOREIGN KEY (`memb

```



```

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `style`
--

LOCK TABLES `style` WRITE;
/*!40000 ALTER TABLE `style` DISABLE KEYS */;
/*!40000 ALTER TABLE `style` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `style_heart`
--

DROP TABLE IF EXISTS `style_heart`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `style_heart` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `member_id` binary(16) NOT NULL,
  `style_id` bigint DEFAULT NULL,
  PRIMARY KEY (`id`),
  KEY `FK1c5swk11rbbbyycgovs5t0olb` (`member_id`),
  KEY `FKnga22nv6wrmqa924aky2bth9c` (`style_id`),
  CONSTRAINT `FK1c5swk11rbbbyycgovs5t0olb` FOREIGN KEY (`memb
  CONSTRAINT `FKnga22nv6wrmqa924aky2bth9c` FOREIGN KEY (`styl
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `style_heart`
--

```

```

LOCK TABLES `style_heart` WRITE;
/*!40000 ALTER TABLE `style_heart` DISABLE KEYS */;
/*!40000 ALTER TABLE `style_heart` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `style_product`
--

DROP TABLE IF EXISTS `style_product`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `style_product` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `created_at` datetime(6) DEFAULT NULL,
  `status` bit(1) DEFAULT NULL,
  `updated_at` datetime(6) DEFAULT NULL,
  `product_id` varchar(255) NOT NULL,
  `style_id` bigint NOT NULL,
  PRIMARY KEY (`id`),
  KEY `FK8ds8eceymg57auxbl451ocqm` (`style_id`),
  CONSTRAINT `FK8ds8eceymg57auxbl451ocqm` FOREIGN KEY (`style
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `style_product`
--

LOCK TABLES `style_product` WRITE;
/*!40000 ALTER TABLE `style_product` DISABLE KEYS */;
/*!40000 ALTER TABLE `style_product` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;

```

```

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT *
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION *
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2024-04-03 20:50:04

```

CI/CD 구축

기본 설정

- aws ec2 접속
 - 6번 <팀채널>J10A606T.pem 파일 다운로드
 - 파일을 다운 받은 폴더 위치에서 터미널창 실행
 - 명령어 입력
 - root 유저로 접속

```

// ec2 접속
$ ssh -i J10A606T.pem ubuntu@j10a606.p.ssafy.io

// root유저로 접속
# sudo su

```

- Docker
 - Docker 설치

```

// 우분투 시스템 패키지 업데이트
$ sudo apt-get update

// 도커 설치에 필요한 패키지 설치
$ sudo apt-get install apt-transport-https ca-certificates cu

// Docker 공식 GPG 설치
$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | s

```

```
// Docker의 공식 apt 저장소를 추가
$ sudo add-apt-repository "deb [arch=amd64] https://download.

// 도커 설치
$ sudo apt-get install docker-ce docker-ce-cli containerd.io

// 도커 설치 확인
$ sudo systemctl status docker
$ docker -v
```

- Docker 자주 사용하는 명령어

```
// 실행 중인 컨테이너 확인
$ docker ps
$ docker container ls

// 모든 컨테이너 확인
$ docker ps -a

// 도커 이미지 다운로드
$ docker pull {docker-image-name}

// 도커 컨테이너 로그 확인
$ docker logs {컨테이너 이름}

// 도커 이미지 빌드
$ docker build -t {이미지 이름}:{태그 이름}
ex) docker build -t duckbill413/enjoytrip:lastest

// 도커 이미지 실행
$ docker run -d -p {{in-port}}:{{out-port}} --name={{container-name}}
(추가 옵션 부여 가능 ex) 네트워크, 이미지 버전 등등)

// 실행 중인 도커 컨테이너 내부 접속
$ docker exec -it {컨테이너 이름} bash
```

Front 배포 설정

- 배포 환경은 `Ubuntu 20.04.6` 을 사용합니다.

HTTPS 인증 (Certbot)

docker nginx를 사용하기 전에 https 인증을 위해서 일단 nginx를 설치하고 https 인증 이후 삭제합니다.

1. Certbot 설치

```
$ apt-get update
$ sudo apt-get install certbot
$ apt-get install python-certbot-nginx
```

2. NGINX SSL 설정

```
server {
    listen 80 default_server;
    listen [::]:80 default_server;
    root /var/www/html;
    server_name {{domain_name}} # ex) i10a702.p.ssafy.io;
}
```

3. Nginx 재시작

```
$ sudo service nginx restart
```

4. SSL 인증서 받기

```
sudo certbot --nginx -d {{domain_name}} -d {{sub_domain_name}}
```

인증서 인증시 개인 이메일이 필요합니다.

5. 로컬 Nginx 완전 삭제

```
sudo apt-get -y remove --purge nginx nginx-full nginx-common
```

인증 완료 후 docker nginx 사용을 위해서 nginx를 완전히 삭제해 줍니다.

Nginx 폴더 생성

- 프로젝트 최상단 폴더 아래에 `nginx` 폴더를 생성한다.

Nginx default.conf 파일 작성

```
user  nginx;
worker_processes  auto;
error_log  /var/log/nginx/error.log warn;
pid        /var/run/nginx.pid;
events {
    worker_connections  1024;
}

http {
    include      /etc/nginx/mime.types;
    default_type  application/octet-stream;

    upstream springboot { # api는 arbitrary.
        server mallook-api:8080; # docker-compose.yml에서 올라가
        keepalive 1024;
    }

    upstream nextjs {
        server mallook-nextjs:3000;
        keepalive 1024;
    }

    server {
        listen 80;
        server_name j10a606.p.ssafy.io; # 발급한 도메인 주소
        server_tokens off;

        # 모든 http(80포트) 요청을 https로 리다이렉팅
        location / {
            return 301 https://$host$request_uri;
        }
    }
}
```

```

server {
    listen 443 ssl;
    server_name j10a606.p.ssafy.io;
    server_tokens off;

    ssl_certificate /etc/letsencrypt/live/j10a606.p.ssafy
    ssl_certificate_key /etc/letsencrypt/live/j10a606.p.s
    include /etc/letsencrypt/options-ssl-nginx.conf; # ma
    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem; # mana

    location / {
        proxy_pass http://nextjs;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_for
        proxy_set_header X-Forwarded-Proto $scheme;
    }

    location ~ ^/(api|oauth2|login/oauth2) {
        proxy_pass http://springboot;
        proxy_set_header Host $http_host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_for
    }

    location ~ ^/(swagger|webjars|configuration|swagger-r
        proxy_pass http://springboot;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_for
        proxy_set_header X-Forwarded-Proto $scheme;
    }
}

log_format timed_combined '$remote_addr - $remote_user [$
    "$request" $status $body_bytes_sent '
    "$http_referer" "$http_user_agent" '
    'rt $request_time urt $upstream_response_time';

```

```

    access_log /var/log/nginx/access.log timed_combined;

    sendfile            on;
    keepalive_timeout  65;
}

```

- 백엔드 docker container 이름, 도메인 이름을 자신의 서버 환경에 맞게 변경해 줍니다.

Nginx 도커 파일 작성

```

FROM node:20.10.0-alpine as build-stage
# WORKDIR /app
# COPY package*.json ./

# RUN rm -rf node_modules package-lock.json
# RUN npm install

# COPY ./ .
# RUN npm run build-only

FROM nginx:stable-alpine as production-stage
# COPY --from=build-stage /app/dist /usr/share/nginx/html
COPY ./nginx.conf /etc/nginx/nginx.conf
EXPOSE 80
CMD ["nginx", "-g", "daemon off;"]

```

.env 파일 추가

gitlab-runner 을 이용하여 CI/CD 를 구성할 경우 Variables 에 등록

- .env 파일 작성

EC2와 Gitlab 연결

- 깃랩 러너 설치


```
// 우분투 시스템 패키지 업데이트
$ apt update

// gitlab repository 추가
$ curl -L "https://packages.gitlab.com/install/repositories/r

// gitlab-runner 설치
$ sudo apt install gitlab-runner
```

- 깃랩 러너 연결
 - GitLab 프로젝트에 들어간다.
 - GitLab → Settings → CI/CD → Runners
 - Runners Project Runner 생성
 - Project Runner 설정
 - Ubuntu 환경에서 사용하므로 **Linux** 설정
 - **Description** 에는 Runner Process 이름을 설정(이름 기억!)
 - Gitlab Runner 토큰 정보 확인
 - Ubuntu에 gitlab-runner process 등록

```
# gitlab-runner register 실행하기
$ gitlab-runner register

# gitlab instance url 설정
$ https://lab.ssafy.com

# gitlab token 입력
$ glrt-fs8fcAQYx1cWhDSHJfVU

# gitlab runner 이름 입력 (Tag명 입력)
$ sample

# gitlab runner를 실행시킬 executor 지정 (Docker)
$ docker
```

```
# docker 버전 지정
$ docker:24.0.7
```

- Gitlab Runner 생성 및 연결 확인
- Gitlab Runner 추가 설정 (연필 모양 버튼)
 - Run untagged jobs 체크
 - description 재확인
 - Ubuntu에서는 `gitlab-runner list` 로 확인 가능
- Gitlab Runner는 Gitlab CI를 통해서 서버에서 Docker을 실행하므로 권한이 필요

```
$ sudo usermod -aG docker gitlab-runner
```

```
// Gitlab CI 설정 파일 수정
$ vi /etc/gitlab-runner/config.toml
```

```
[[runners]]
  name = "sample"
  url = "https://lab.ssafy.com"
  id = 452
  token = "glrt-fs8fcAQYxlcWhDSHJfvU"
  token_obtained_at = 2023-11-09T05:31:27Z
  token_expires_at = 0001-01-01T00:00:00Z
  executor = "docker"
  [runners.cache]
    MaxUploadedArchiveSize = 0
  [runners.docker]
    tls_verify = false
    image = "docker:20.0.7"
    privileged = true
    disable_entrypoint_overwrite = false
    oom_kill_disable = false
    disable_cache = false
    volumes = ["/cache", "/var/run/docker.sock:/var/run/docker.sock"]
    shm_size = 0
    network_mtu = 0
```

27,19

- `privileged: true`
- `volumes = ["/cache", "/var/run/docker.sock:/var/run/docker.sock"]`
- 도커 재시작

- `$ service docker restart`

프로젝트 CI/CD 구축

Gitlab Variable 설정

- 상단에 적은 변수들 작성
 - Ex) 프로젝트에 필요한 yml 파일, 도커 레지스트리 주소, 아이디 ,비밀번호 등

APPLICATION_AWS_YML	*****	All (default)	
Expanded			
APPLICATION_BATCH_YML	*****	All (default)	
APPLICATION_DEV_YML	*****	All (default)	
APPLICATION_LOCAL_YML	*****	All (default)	
APPLICATION_OAUTH_YML	*****	All (default)	
APPLICATION_REDIS_YML	*****	All (default)	
APPLICATION_TEST_YML	*****	All (default)	
APPLICATION_YML	*****	All (default)	
BATCH_IMAGE_NAME	*****	All (default)	
DOCKER_REGISTRY_PASSWORD	*****	All (default)	
Masked			
DOCKER_REGISTRY_USER	*****	All (default)	
Masked			
NGINX_IMAGE_NAME	*****	All (default)	
Expanded			
SPRING_IMAGE_NAME	*****	All (default)	

- Spring Project를 gitlab환경에서 사용하기 위해서는 **.gitlab-ci.yml** 파일을 작성해야 함
- **.gitlab-ci.yml**는 배포 브랜치 최상단에 위치

.gitlab-ci.yml

```
stages:
  - build
  - package
  - package-batch
```

- deploy

build: # JOB 이름

사용될 이미지 설정

image: gradle:8.5.0-jdk17 # gradle - java 이미지 지정

stage 설정

stage: build

실행될 script 설정

script:

- echo [INFO] YML Settings

- cd ./back/mallook # zooting-api server 위치로 이동

- cd ./src/main/resources # resources 폴더 위치로 이동

- echo "\$APPLICATION_YML" > "application.yml" # gitlab API

- echo "\$APPLICATION_DEV_YML" > "application-dev.yml"

- echo "\$APPLICATION_LOCAL_YML" > "application-local.yml"

- echo "\$APPLICATION_OAUTH_YML" > "application-oauth.yml"

- echo "\$APPLICATION_REDIS_YML" > "application-redis.yml"

- echo "\$APPLICATION_TEST_YML" > "application-test.yml" #

- echo "\$APPLICATION_AWS_YML" > "application-aws.yml"

- echo "\$APPLICATION_BATCH_YML" > "application-batch.yml"

- ls

- echo [INFO] spring-boot project build

- cd ../../.. # 프로젝트 폴더로 경로 이동

- ls

- chmod +x gradlew # gradle 권한 부여

- ./gradlew clean

- ./gradlew build

- ./gradlew bootjar

artifacts 설정 (build를 통해 생성된 파일을 job artifacts에 보관)

artifacts:

보관이 이루어질 경로 설정

paths:

- back/mallook/build/libs/mallook-0.0.1-SNAPSHOT.jar #

유효기간 설정

expire_in: 1 days

JOB이 수행될 branch 설정 (설정된 branch에 push가 발생될 시 JOB <

only:

- master

- release
- develop

package:

image: docker:latest

stage: package

service 설정 (설정된 image가 작업이 이루어지는 동안 실행되는 docker

services:

- docker:dind

script가 실행 전 수행 될 script

before_script:

- docker login -u \$DOCKER_REGISTRY_USER -p \$DOCKER_REGISTRY_PASSWORD

실행될 script 설정

script:

- cd ./back/mallook
- echo [INFO] Start package stage
- echo [INFO] SPRING_IMAGE_NAME \$SPRING_IMAGE_NAME
- echo [INFO] NGINX_IMAGE_NAME \$NGINX_IMAGE_NAME
- echo [INFO] Spring docker project build
- docker build -t \$DOCKER_REGISTRY_USER/\$SPRING_IMAGE_NAME:latest .
- docker push \$DOCKER_REGISTRY_USER/\$SPRING_IMAGE_NAME:latest
- cd ../..
- cd ./front/mallook
- echo [INFO] Start build Nextjs
- docker build -t \$DOCKER_REGISTRY_USER/mallook-nextjs .
- docker push \$DOCKER_REGISTRY_USER/mallook-nextjs:latest

after_script:

- docker logout # GitLab Container Registry 로그아웃

JOB이 수행될 branch 설정 (설정된 branch에 push가 발생될 시 JOB가 실행)

only:

- master
- release
- develop

package-batch:

image: docker:latest

stage: package-batch

services:

```

    - docker:dind
before_script:
    - docker login -u $DOCKER_REGISTRY_USER -p $DOCKER_REGISTRY_PASSWORD
script:
    - cd ./back/mallook
    - echo [INFO] BATCH_IMAGE_NAME          $BATCH_IMAGE_NAME
    - docker build -t $DOCKER_REGISTRY_USER/$BATCH_IMAGE_NAME:latest .
    - docker push $DOCKER_REGISTRY_USER/$BATCH_IMAGE_NAME:latest
after_script:
    - docker logout
only:
    - master
    - release
    - develop

deploy: # JOB 이름
  image: docker:latest
  # stage 설정
  stage: deploy
  services:
    - docker:dind
  # script가 실행 전 수행 될 script
  before_script:
    - echo [INFO] docker deploy start!
    - docker login -u $DOCKER_REGISTRY_USER -p $DOCKER_REGISTRY_PASSWORD
  # 실행될 script 설정
  script:
    - docker system prune --volumes -f # 사용되지 않는 컨테이너, C
    - docker-compose down # docker-compose 내리기
    # - docker-compose pull # docker images pull
    - docker-compose up --build -d # docker-compose 빌드 및 백그라운드 실행
  # script가 실행된 후 수행 될 script
  after_script:
    - docker logout # GitLab Container Registry 로그아웃
    - echo [INFO] docker deploy end!
  # JOB이 수행될 branch 설정 (설정된 branch에 push가 발생될 시 JOB가 실행됨)
  only:
    - master

```

- release
- develop

batchDockerfile (Spring 배치 작업 만을 위한 배치 서버 이미지 빌드)

```
FROM amazoncorretto:17
WORKDIR /app
ARG JAR_FILE=build/libs/*.jar
COPY ${JAR_FILE} /app/mallook-api.jar
ENTRYPOINT ["java", "-Djava.security.egd=file:/dev/./urandom"]
```

Dockerfile

```
# 빌더 스테이지를 위한 기본 이미지로 openjdk:17-jdk-alpine을 사용
FROM openjdk:17-jdk-alpine As builder
```

```
# 작업 디렉토리를 /work로 설정
WORKDIR /work
# 현재 디렉토리의 모든 파일과 폴더를 /work 디렉토리로 복사
COPY . /work
```

```
# gradlew 파일에 실행 권한을 부여
RUN chmod +x ./gradlew
# gradlew를 사용하여 프로젝트를 클린하고 bootJar를 빌드
RUN ./gradlew clean bootJar
```

```
# 실행 스테이지를 위한 기본 이미지로 openjdk:17-jdk를 사용
FROM openjdk:17-jdk
# 환경 변수 TZ를 설정하여 타임존을 Asia/Seoul로 설정
ENV TZ="Asia/Seoul"
```

```
# 실행 스테이지를 위한 기본 이미지로 openjdk:17-jdk-slim을 사용
FROM openjdk:17-jdk-slim
```

```
# 작업 디렉토리를 /work로 설정
WORKDIR /work
# 빌더 스테이지에서 생성된 JAR 파일들 중 build/libs 디렉토리에 있는 모든
```

```

COPY --from=builder /work/build/libs/*.jar /work/app.jar
# 호스트 시스템의 deploy/start-app.sh 파일을 /work/start-app.sh로
COPY ./deploy/start-app.sh /work/start-app.sh

# start-app.sh 파일에 실행 권한을 부여
RUN chmod +x start-app.sh
# 컨테이너가 시작될 때 start-app.sh 스크립트를 실행
ENTRYPOINT ["/start-app.sh"]

```

docker-compose 설치

1. Docker-compose 설치

```

$ sudo curl -SL "<https://github.com/docker/compose/releases/download/v2.23.0/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose

```

- docker-compose yml 3.0 이상을 사용할 경우 2.0.0 이상의 docker-compose를 설치해야 한다.

2. Docker-compose 권한 부여

```

$ sudo chmod +x /usr/local/bin/docker-compose

```

3. Docker-compose 심볼릭 링크 지정

```

$ sudo ln -s /usr/local/bin/docker-compose /usr/bin/docker-compose

```

4. docker-compose 버전 확인

docker-compose.yml

```

version: "3"
services:
  springboot:
    container_name: mallook-api
    image: duckbill413/mallook-docker-api:latest
    ports:

```



```

    - "127.0.0.1:8080:8080"
    - "8081:8081"
  environment:
    TZ: "Asia/Seoul"
  networks:
    - mallook_net
  volumes:
    - /home/ec2-user/logs:/logs

mallook-batch:
  container_name: mallook-batch
  image: duckbill413/mallook-docker-batch:latest
  environment:
    TZ: Asia/Seoul
  networks:
    - mallook_net
  depends_on:
    - springboot

redis:
  image: redis:alpine
  container_name: mallook-redis
  command: redis-server --port 6379
  hostname: redis
  ports:
    - "127.0.0.1:6379:6379"
  networks:
    - mallook_net
  restart: always

nginx:
  container_name: mallook-nginx
  image: duckbill413/mallook-nginx:latest
  build:
    context: ./back/mallook/nginx
    dockerfile: nginxDockerfile
  volumes:
    - /etc/letsencrypt:/etc/letsencrypt:ro

```

```

ports:
  - "80:80"
  - "443:443"
networks:
  - mallook_net
depends_on:
  - springboot

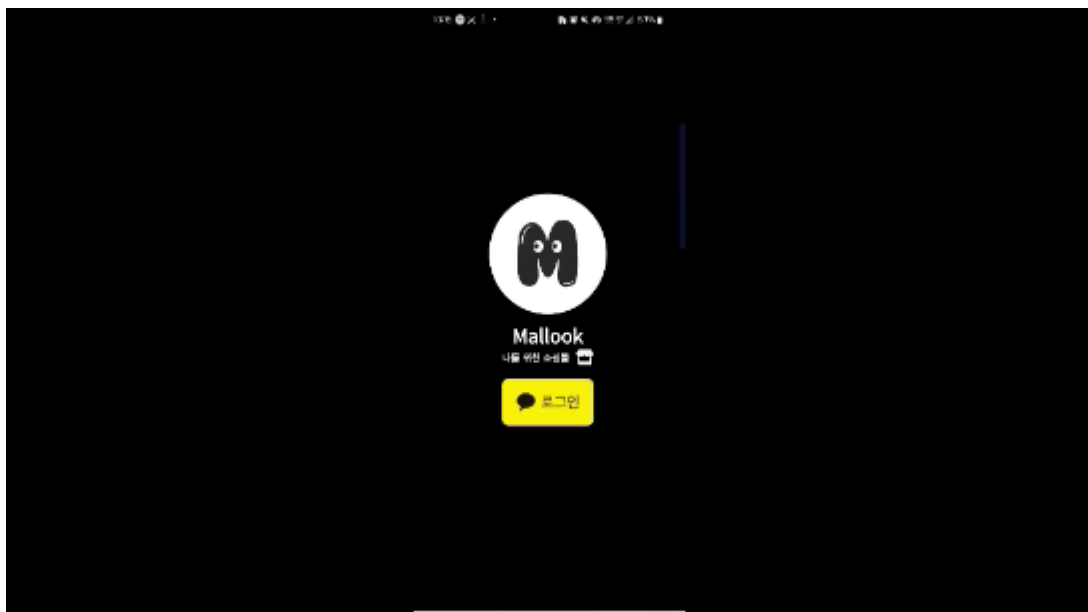
nextjs:
  container_name: mallook-nextjs
  image: duckbill413/mallook-nextjs:latest
  ports:
    - "127.0.0.1:3000:3000"
  networks:
    - mallook_net

networks:
  mallook_net:
    driver: bridge

```

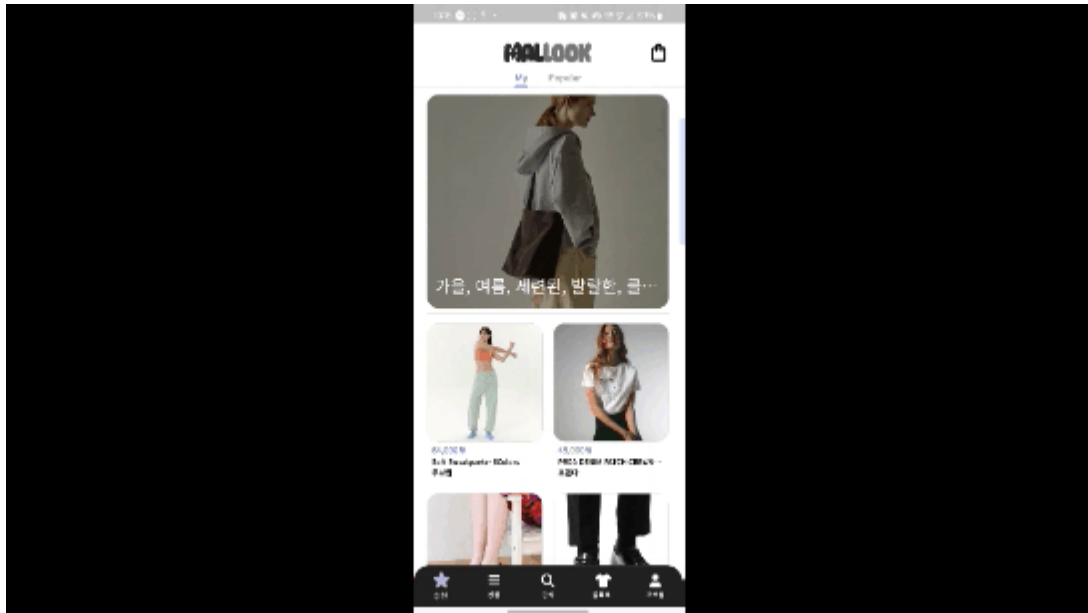
시연 시나리오

로그인 화면



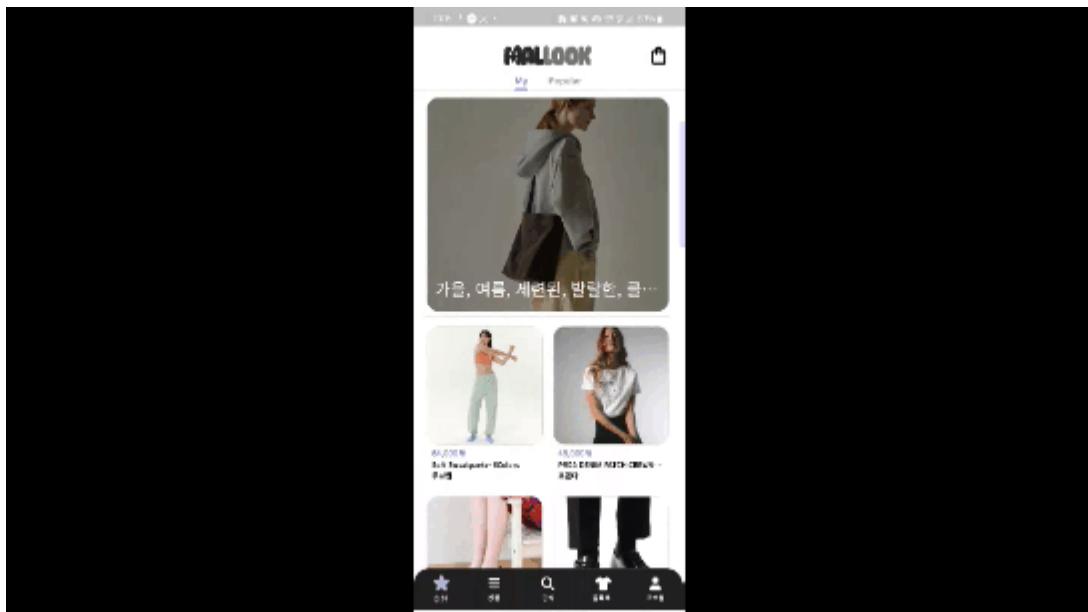
- 카카오 로그인으로 로그인과 가입

메인 페이지



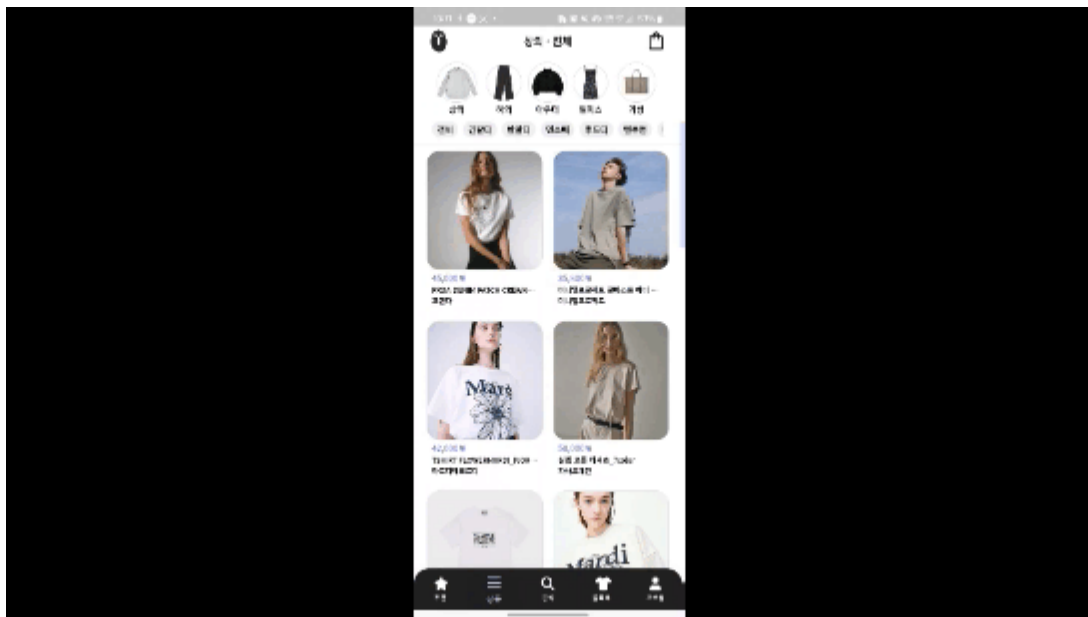
- 로그인 후 메인 화면

인기 상품 리스트



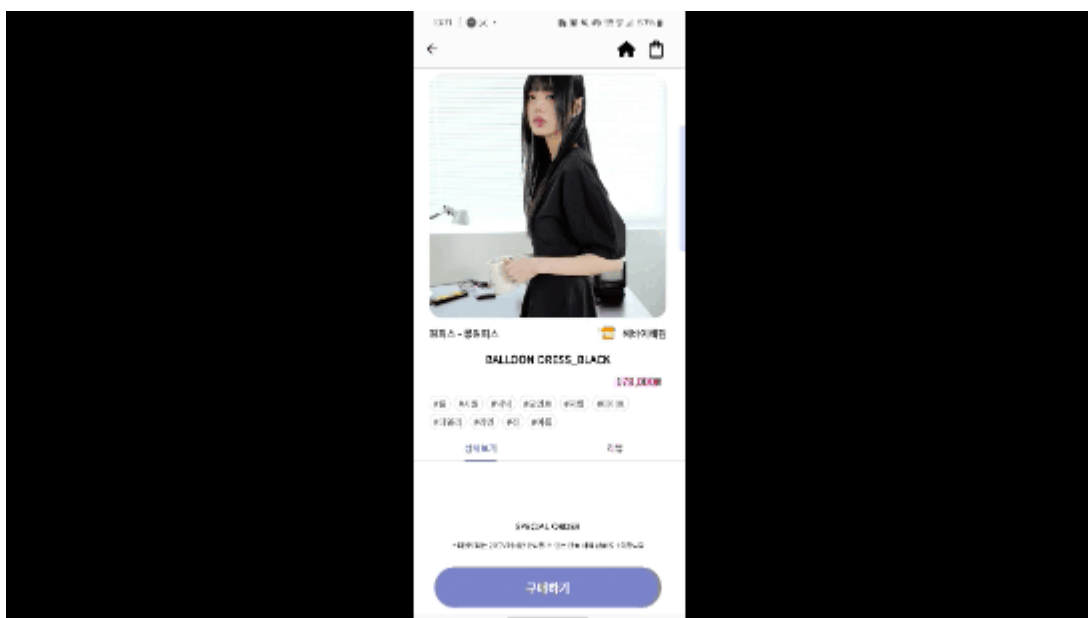
- 리뷰 기준 인기 상품 추천

카테고리 검색



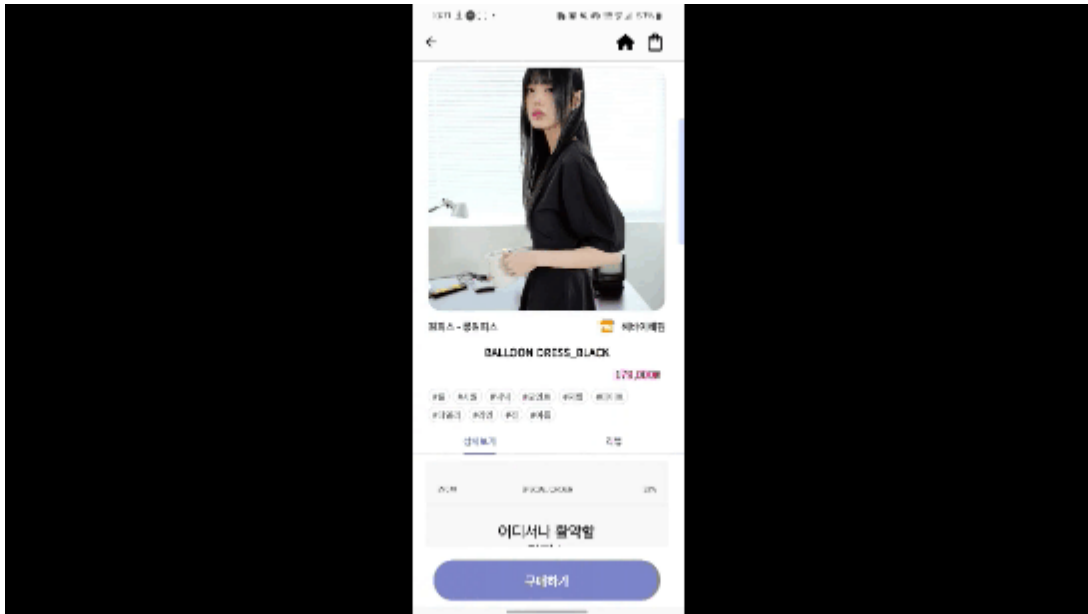
- 카테고리 선택으로 상품 필터링
- 메인/서브 카테고리 선택으로 해당하는 상품만 조회

상품 상세



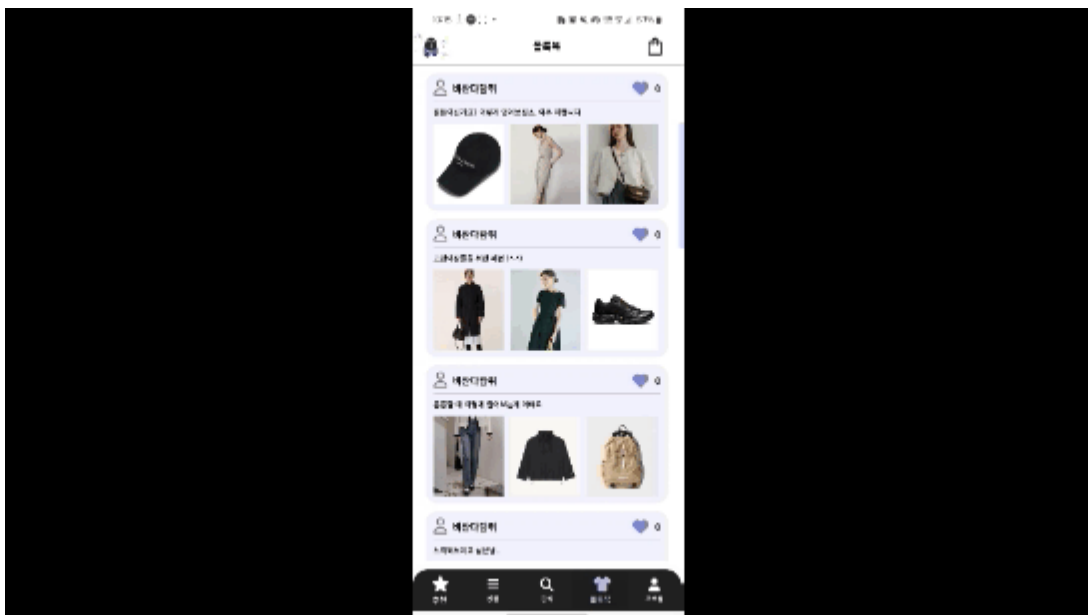
- 상품 수량과 사이즈를 선택해 주문

구매



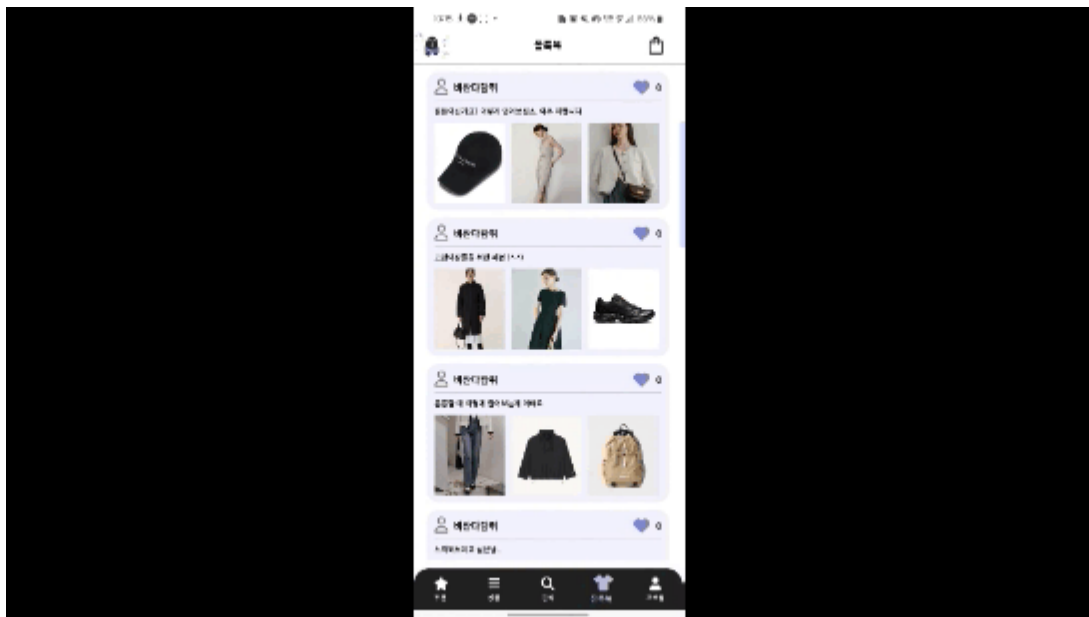
- 외곽선을 제거한 상품 이미지를 조합해 내가 구매할 옷을 미리 조합

몰룩북 메인



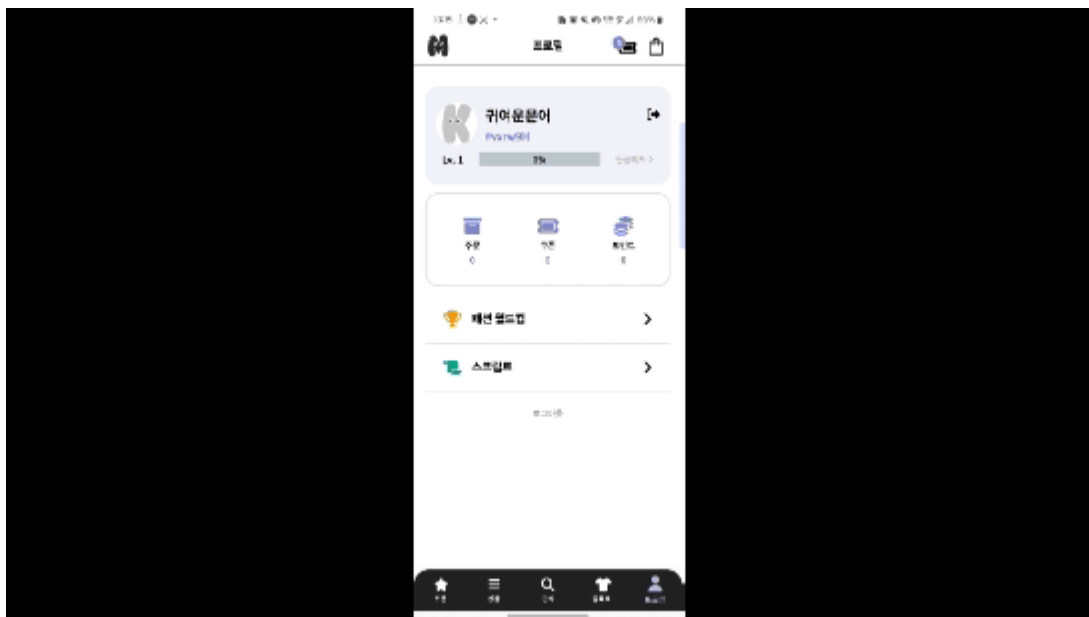
- 외곽선을 제거한 상품 이미지를 조합해 내가 구매할 옷을 미리 조합

몰룩북 상세



- 코디 이미지를 기반으로 월드컵을 진행
- 제일 선호하는 코디의 키워드를 통해 생성형 AI를 통해 문장 생성

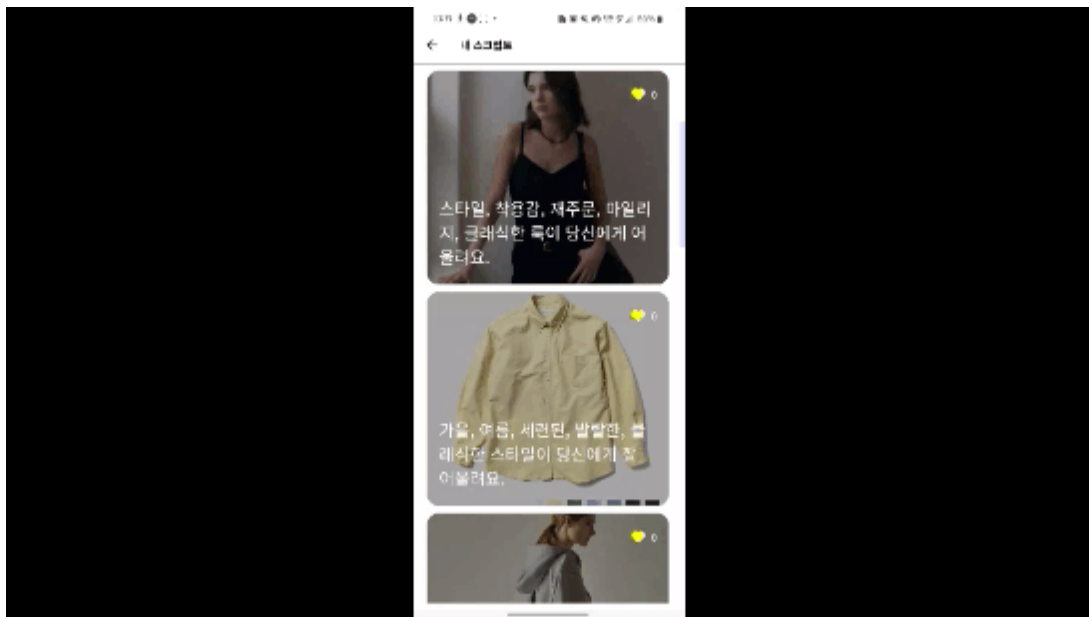
패션 월드컵



- AI를 통해 생성한 문장으로 내가 선호하는 옷 스타일을 시각화

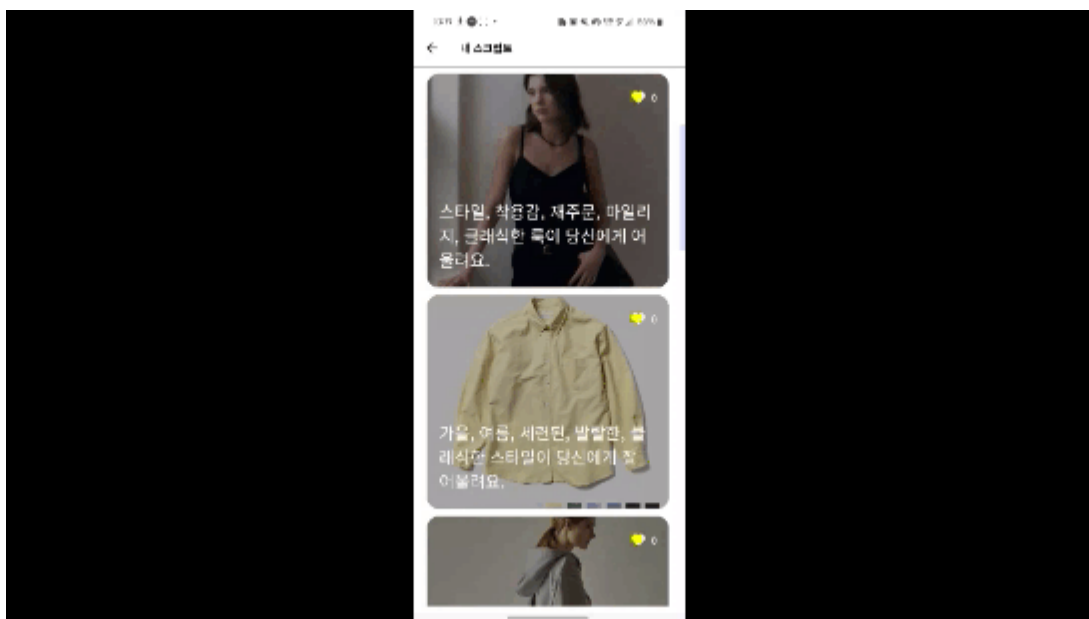
내 스크립트

스크립트 메인 페이지



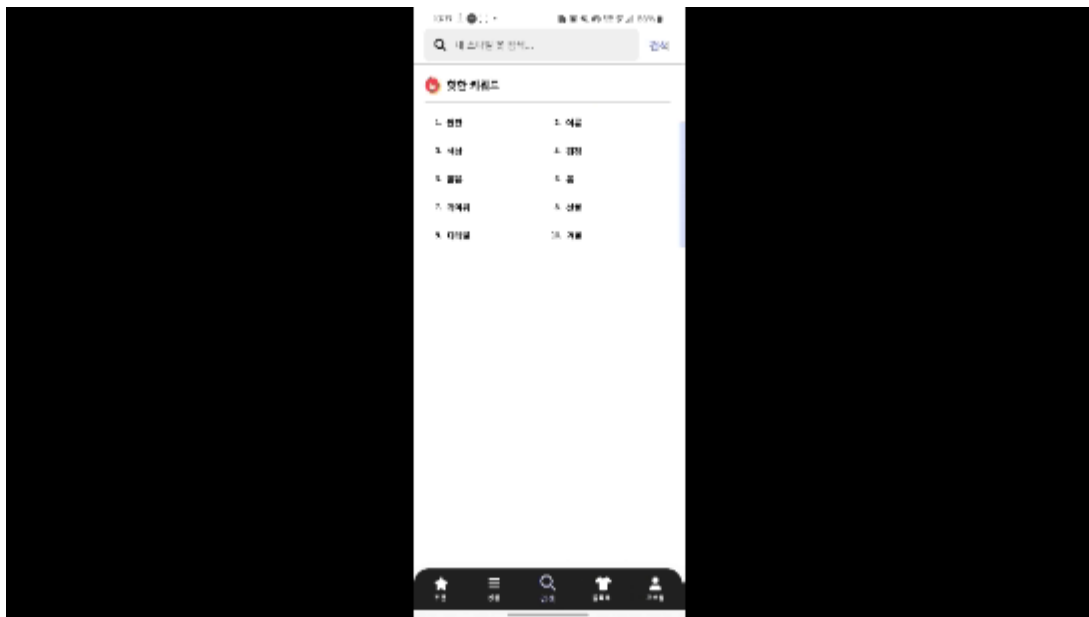
- AI를 통해 생성한 문장으로 내가 선호하는 옷 스타일을 시각화

스크립트 상세 페이지



- 스크립트를 생성할 때 사용했던 키워드를 통해 유사 상품 추천

키워드 검색



- 핫한 키워드 목록을 확인
- 키워드 선택 및 검색어로 검색 가능

팀원

팀장: 김태현

프론트엔드: 배정식

백엔드: 이윤정, 이형우, 전세진