



포트 매뉴얼

1. 사용한 라이브러리 및 버전

- Openjdk:17
 - react: 18.2.0
 - nodeJS: 16.20.2
 - Jenkins: 2.442
 - nginx: 1.18.0(ubuntu)
 - Docker: 25.0.2
 - docker-compose: 1.25.0
 - Mysql: 8.0.36
 - Spring Boot: 2.7.13
 - AWS: Ubuntu 20.04.6
-

[IDE]

- IntelliJ IDEA 2023.3.2 (Ultimate Edition)
Build #IU-233.13135.103, built on December 20, 2023
 - Visual Studio Code v1.85.1
-

[Storage]

- Git 저장소: gitlab
 - 미디어 파일 저장소: AWS S3
-

2. gitignore 처리한 핵심 키들

Frontend

.env (위치: /front-end)

```
REACT_APP_API_URL = "backend 주소"
REACT_APP_OPENVIDU_URL = "backend 주소"
OPENVIDU_AUTH = "(OPENVIDU:SECRETKEY)를 base64로 인코딩한 값"

REACT_APP_KAKAO_API_KEY = '(등록한 카카오 앱의 REST API 키)'
REACT_APP_KAKAO_REDIRECT_URI = '(카카오에 등록한 앱의 redirect_ur
DANGEROUSLY_DISABLE_HOST_CHECK = 'true'
```

Backend

application.properties (위치: /Back/src/main/resources)

```
server.port=(사용할 포트번호)
server.servlet.context-path=/backend

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
spring.datasource.url=jdbc:mysql://(mysql 서버 주소):(포트)/(DB
spring.datasource.username=(서버의 mysql 계정)
spring.datasource.password=(서버의 mysql 계정 비밀번호)

# CreationTimeStamp setting time (Seoul)
spring.jpa.properties.hibernate.jdbc.time_zone=Asia/Seoul

jwt.secret=(임의의 랜덤 값)

logging.level.org.springframework.security = DEBUG
spring.servlet.multipart.max-file-size=300MB
spring.servlet.multipart.max-request-size=300MB

cloud.aws.credentials.accessKey=(S3 접근 가능한 IAM accessKey)
cloud.aws.credentials.secretKey=(S3 접근 가능한 IAM secretKey)
cloud.aws.stack.auto=false

cloud.aws.s3.bucket=(AWS S3 버킷 이름)
cloud.aws.region.static=(AWS 지역)

cloud.aws.s3.bucket.url=(AWS S3 버킷 url)
```

OPENVIDU_URL: (서버에 있는 OPENVIDU의 URL)

OPENVIDU_SECRET: (설정한 SECRET 값)

KAKAO_RESTAPI_KEY=(등록한 카카오 앱의 REST API 키)

KAKAO_REDIRECT_URI=(등록한 카카오 앱의 redirect uri)

3. 서버 설정 (AWS)

1. 서버 구성

- SpringBoot 8081:8080 (docker)
- React 3000:3000 (docker)
- Jenkins 8080:8080 (docker)
- Openvidu 9001:443 (docker)
- nginx 443:443
- mysql 3306:3306

2. 서버 방화벽

```
# ufw 설치
sudo apt-get install ufw

sudo ufw enable

# 방화벽 포트번호 open(외부)
sudo ufw allow 22/tcp
sudo ufw allow 80/tcp
sudo ufw allow 443/tcp
sudo ufw allow 3478/tcp
sudo ufw allow 3478/udp
sudo ufw allow 8080/tcp
sudo ufw allow 40000:57000/tcp
```

```
sudo ufw allow 40000:57000/udp
sudo ufw allow 57001:65535/tcp
sudo ufw allow 57001:65535/udp
```

3. Openvidu 설치 및 설정

```
sudo su

cd /opt

curl https://s3-eu-west-1.amazonaws.com/aws.openvidu.io/install.sh

cd openvidu

# 위의 명령어를 따라갔다면 설정 파일(.env)는 /opt/openvidu에 있다.
nano .env
```

```
# OpenVidu configuration
# -----
# Documentation: https://docs.openvidu.io/en/stable/reference

# NOTE: This file doesn't need to quote assignment values, like in .env files
# All values are stored as-is, even if they contain spaces, so use them as-is

# Domain name. If you do not have one, the public IP of the machine will be used.
# For example: 198.51.100.1, or openvidu.example.com
DOMAIN_OR_PUBLIC_IP=(사용할 도메인 ip 혹은 퍼블릭 ip)

# OpenVidu SECRET used for apps to connect to OpenVidu server
OPENVIDU_SECRET=(설정할 SECRET 값)

# Certificate type:
# - selfsigned: Self signed certificate. Not recommended for production.
#               Users will see an ERROR when connected to web client.
# - owncert:    Valid certificate purchased in a Internet service provider.
#               Please put the certificates files inside folder /certificates
```

```
#           with names certificate.key and certificate.c
# - letsencrypt: Generate a new certificate using letsencrypt
#           required contact email for Let's Encrypt in
#           variable.
CERTIFICATE_TYPE=(위의 타입 설명을 읽고 결정한다. selfsigned or own

# If CERTIFICATE_TYPE=letsencrypt, you need to configure a va
LETSENCRYPT_EMAIL=(letsencrypt 사용 시 letsencrypt 인증 시 사용한
...
HTTPS_PORT=9001
```

```
./openvidu start
```

4. Nginx 설치 및 설정

```
sudo apt install nginx -y
```

/etc/nginx/sites-available/default

```
server {
    listen 443 ssl;

    server_name (사용 도메인);
    ssl_certificate (인증서 파일)
    ssl_certificate_key (인증서 private key)

    location / {
        proxy_pass http://localhost:3000;
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection 'upgrade';
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }

    location /backend {
```

```

        proxy_pass http://0.0.0.0:8081;
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection 'upgrade';
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }
}

```

5. Docker & Docker-compose 설치

```

sudo apt-get update

sudo apt-get install apt-transport-https ca-certificates curl
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo
sudo add-apt-repository "deb [arch=amd64] https://download.do
sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io

```

```

sudo curl -L https://github.com/docker/compose/releases/late
sudo chmod +x /usr/local/bin/docker-compose

docker-compose version

```

6. Jenkins 설치

```
cd /home/ubuntu && mkdir jenkins-data

sudo docker run -d -p 8080:8080 -v /home/ubunut/jenkins-data:

# log에서 출력되는 초기 비밀번호를 별도로 기록한다.
sudo docker logs jenkins

sudo docker stop jenkins

##### 환경 설정 변경
cd /home/ubuntu/jenkins-data

mkdir update-center-rootCAs

wget https://cdn.jsdelivr.net/gh/lework/jenkins-update-center

sudo sed -i 's#https://updates.jenkins.io/update-center.json#

# 재실행
sudo docker restart jenkins
```

7. Mysql 설치

```
apt-get install mysql-server
```

3. 빌드하기

1) Front-end

```
npm install
npm run build
```

2) Back-end

Gradle 실행
BootJar 실행

4. 외부 서비스 관련

1. 카카오 서비스

- 1) 애플리케이션 추가
- 2) 추가한 애플리케이션 설정 → 플랫폼 설정 → Web 플랫폼 등록 → 도메인 설정
- 3) 앱 설정 (비즈니스) → 앱 아이콘 등록 후 다시 비즈니스 → 개인 개발자 비즈 앱 전환 클릭(이메일 필수 동의)
- 4) 카카오 로그인 이동 → 활성화 설정 ON → Redirect URI 등록
- 5) 카카오 로그인 - 동의항목 이동 → 카카오계정(이메일) 상태 설정 (필수 동의)

5. Jenkins 원격 빌드(freestyle)

```
cd Back  
  
chmod +x gradlew  
  
./gradlew bootJar -x test
```

```
docker-compose up -d
```

6. DB 덤프 파일


```

-- MySQL dump 10.13  Distrib 8.0.34, for Win64 (x86_64)
--
-- Host: 127.0.0.1    Database: ssatudio
-- -----
-- 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 `belong_channel`
--

DROP TABLE IF EXISTS `belong_channel`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `belong_channel` (
  `belong_channel_idx` int NOT NULL AUTO_INCREMENT COMMENT '가게별 채널 인덱스',
  `channel_idx` int NOT NULL COMMENT '채널 인덱스',
  `user_idx` int NOT NULL COMMENT '유저 인덱스',
  `is_admin` tinyint NOT NULL COMMENT '채널장 여부',
  PRIMARY KEY (`belong_channel_idx`),
  KEY `fk_belong_channel_channel_idx` (`channel_idx`),
  KEY `fk_belong_channel_user_idx` (`user_idx`),
  CONSTRAINT `fk_belong_channel_channel_idx` FOREIGN KEY (`channel_idx`) REFERENCES `channel` (`id`),
  CONSTRAINT `fk_belong_channel_user_idx` FOREIGN KEY (`user_idx`) REFERENCES `user` (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--

```

```

-- Dumping data for table `belong_channel`
--

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

--
-- Table structure for table `board`
--

DROP TABLE IF EXISTS `board`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `board` (
  `board_idx` int NOT NULL AUTO_INCREMENT COMMENT '게시글 인덱스'
  `user_idx` int NOT NULL COMMENT '유저 인덱스',
  `board_title` varchar(100) NOT NULL COMMENT '제목',
  `board_content` text NOT NULL COMMENT '내용',
  `board_count` int NOT NULL DEFAULT '0' COMMENT '조회수',
  `board_deleted` tinyint NOT NULL DEFAULT '0' COMMENT '삭제여부',
  `board_date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '작성일'
  PRIMARY KEY (`board_idx`),
  KEY `fk_board_user_idx` (`user_idx`),
  CONSTRAINT `fk_board_user_idx` FOREIGN KEY (`user_idx`) REFERENCES `user` (`user_idx`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `board`
--

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

```

```

--
-- Table structure for table `channel`
--

DROP TABLE IF EXISTS `channel`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `channel` (
  `channel_idx` int NOT NULL AUTO_INCREMENT COMMENT '채널 인덱스',
  `channel_name` varchar(30) NOT NULL COMMENT '채널명',
  `channel_intro` varchar(200) DEFAULT NULL COMMENT '채널 소개',
  `channel_date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
  `channel_max` int NOT NULL COMMENT '모집인원',
  `channel_cur` int NOT NULL DEFAULT '1' COMMENT '현재인원',
  `channel_isDelete` tinyint NOT NULL COMMENT '삭제여부',
  PRIMARY KEY (`channel_idx`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `channel`
--

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

--
-- Table structure for table `channel_video`
--

DROP TABLE IF EXISTS `channel_video`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `channel_video` (
  `channel_video_idx` int NOT NULL AUTO_INCREMENT,
  `channel_idx` int NOT NULL COMMENT '채널 인덱스',

```

```

`video_idx` int NOT NULL COMMENT '영상 인덱스',
`user_idx` int NOT NULL COMMENT '유저 인덱스',
PRIMARY KEY (`channel_video_idx`),
KEY `fk_channel_video_channel_idx` (`channel_idx`),
KEY `fk_channel_video_video_idx` (`video_idx`),
KEY `fk_channel_video_user_idx` (`user_idx`),
CONSTRAINT `fk_channel_video_channel_idx` FOREIGN KEY (`cha
CONSTRAINT `fk_channel_video_user_idx` FOREIGN KEY (`user_i
CONSTRAINT `fk_channel_video_video_idx` FOREIGN KEY (`video
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `channel_video`
--

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

--
-- Table structure for table `channelchatroom`
--

DROP TABLE IF EXISTS `channelchatroom`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `channelchatroom` (
  `chatroom_idx` int NOT NULL AUTO_INCREMENT COMMENT '채팅방 인
  `channel_idx` int NOT NULL COMMENT '채널 인덱스',
  PRIMARY KEY (`chatroom_idx`),
  KEY `fk_channelChatRoom_channel_idx` (`channel_idx`),
  CONSTRAINT `fk_channelChatRoom_channel_idx` FOREIGN KEY (`c
  CONSTRAINT `fk_channelChatRoom_chatroom_idx` FOREIGN KEY (`
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `channelchatroom`
--

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

--
-- Table structure for table `chat`
--

DROP TABLE IF EXISTS `chat`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `chat` (
  `chat_idx` int NOT NULL AUTO_INCREMENT COMMENT '채팅 인덱스',
  `chatroom_idx` int NOT NULL COMMENT '채팅방 인덱스',
  `content` text NOT NULL COMMENT '내용',
  `chat_time` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP CO
  `user_idx` int NOT NULL COMMENT '유저 인덱스',
  PRIMARY KEY (`chat_idx`),
  KEY `fk_chat_chatroom_idx` (`chatroom_idx`),
  KEY `fk_chat_user_idx` (`user_idx`),
  CONSTRAINT `fk_chat_chatroom_idx` FOREIGN KEY (`chatroom_id
  CONSTRAINT `fk_chat_user_idx` FOREIGN KEY (`user_idx`) REFER
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `chat`
--

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

```

```

--
-- Table structure for table `chatroom`
--

DROP TABLE IF EXISTS `chatroom`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `chatroom` (
  `chatroom_idx` int NOT NULL AUTO_INCREMENT COMMENT '채팅방 인덱스'
  PRIMARY KEY (`chatroom_idx`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `chatroom`
--

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

--
-- Table structure for table `comment`
--

DROP TABLE IF EXISTS `comment`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `comment` (
  `comment_idx` int NOT NULL AUTO_INCREMENT COMMENT '댓글 인덱스',
  `board_idx` int NOT NULL COMMENT '게시글 인덱스',
  `comment_content` text NOT NULL COMMENT '내용',
  `comment_date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
  `comment_deleted` tinyint NOT NULL DEFAULT '0' COMMENT '삭제 여부',
  `user_idx` int NOT NULL COMMENT '유저 인덱스',
  PRIMARY KEY (`comment_idx`),

```

```

    KEY `fk_comment_board_idx` (`board_idx`),
    KEY `fk_comment_user_idx` (`user_idx`),
    CONSTRAINT `fk_comment_board_idx` FOREIGN KEY (`board_idx`)
    CONSTRAINT `fk_comment_user_idx` FOREIGN KEY (`user_idx`) REFERENCES `user`
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `comment`
--

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

--
-- Table structure for table `friend`
--

DROP TABLE IF EXISTS `friend`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `friend` (
  `friend_idx` int NOT NULL AUTO_INCREMENT COMMENT '친구 인덱스',
  `from_user_idx` int NOT NULL COMMENT '유저 인덱스',
  `to_user_idx` int NOT NULL COMMENT '친구 인덱스',
  `are_friend` tinyint NOT NULL COMMENT '친구 여부',
  PRIMARY KEY (`friend_idx`),
  KEY `fk_friend_from_user_idx` (`from_user_idx`),
  KEY `fk_friend_to_user_idx` (`to_user_idx`),
  CONSTRAINT `fk_friend_from_user_idx` FOREIGN KEY (`from_user_idx`) REFERENCES `user`
  CONSTRAINT `fk_friend_to_user_idx` FOREIGN KEY (`to_user_idx`) REFERENCES `user`
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `friend`
--

```

```

--

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

--
-- Table structure for table `instrument`
--

DROP TABLE IF EXISTS `instrument`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `instrument` (
  `user_idx` int NOT NULL AUTO_INCREMENT COMMENT '유저 인덱스',
  `instrument` varchar(20) NOT NULL COMMENT '악기 이름',
  PRIMARY KEY (`user_idx`),
  CONSTRAINT `fk_instrument_user_idx` FOREIGN KEY (`user_idx`
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `instrument`
--

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

--
-- Table structure for table `notice`
--

DROP TABLE IF EXISTS `notice`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;

```



```

CREATE TABLE `notice` (
  `notice_idx` int NOT NULL AUTO_INCREMENT COMMENT '공지사항 인',
  `channel_idx` int NOT NULL COMMENT '채널 인덱스',
  `content` text NOT NULL COMMENT '내용',
  `notice_date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ,
  `isDelete` tinyint NOT NULL DEFAULT '0' COMMENT '삭제여부',
  `notice_title` varchar(50) NOT NULL COMMENT '제목',
  PRIMARY KEY (`notice_idx`),
  KEY `fk_notice_channel_idx` (`channel_idx`),
  CONSTRAINT `fk_notice_channel_idx` FOREIGN KEY (`channel_id
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `notice`
--

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

--
-- Table structure for table `perfectplay`
--

DROP TABLE IF EXISTS `perfectplay`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `perfectplay` (
  `pp_idx` int NOT NULL AUTO_INCREMENT COMMENT '퍼펙트 플레이 인',
  `user_idx` int NOT NULL COMMENT '유저 인덱스',
  `score` double NOT NULL COMMENT '점수',
  `song_idx` int NOT NULL COMMENT '노래 인덱스',
  `date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT
  `clear` tinyint NOT NULL COMMENT '클리어 여부',
  PRIMARY KEY (`pp_idx`),
  KEY `fk_perfectplay_user_idx` (`user_idx`),

```

```

    KEY `fk_perfectplay_song_idx` (`song_idx`),
    CONSTRAINT `fk_perfectplay_song_idx` FOREIGN KEY (`song_idx`
    CONSTRAINT `fk_perfectplay_user_idx` FOREIGN KEY (`user_idx`
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `perfectplay`
--

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

--
-- Table structure for table `song`
--

DROP TABLE IF EXISTS `song`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `song` (
  `song_idx` int NOT NULL AUTO_INCREMENT COMMENT '노래 인덱스',
  `title` varchar(50) NOT NULL COMMENT '제목',
  `singer` varchar(50) DEFAULT NULL COMMENT '가수',
  `start_timing` int NOT NULL COMMENT '시작 시간',
  `running_time` int NOT NULL COMMENT '재생 시간',
  `song_img` text NOT NULL COMMENT '노래 이미지',
  PRIMARY KEY (`song_idx`)
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLL
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `song`
--

LOCK TABLES `song` WRITE;

```

```

/*!40000 ALTER TABLE `song` DISABLE KEYS */;
INSERT INTO `song` VALUES (1, '언제나 몇번이라도(센과 치히로의 행방불명)');
/*!40000 ALTER TABLE `song` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `song_line`
--

DROP TABLE IF EXISTS `song_line`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `song_line` (
  `song_line_idx` int NOT NULL AUTO_INCREMENT COMMENT '노래바 (id)',
  `song_idx` int NOT NULL COMMENT '노래 인덱스',
  `start_node` bigint NOT NULL COMMENT '시작 노드',
  `end_node` bigint NOT NULL COMMENT '끝 노드',
  `start_time` bigint NOT NULL COMMENT '시작 시간',
  `end_time` bigint NOT NULL COMMENT '끝 시간',
  PRIMARY KEY (`song_line_idx`),
  KEY `fk_song_line_song_idx` (`song_idx`),
  CONSTRAINT `fk_song_line_song_idx` FOREIGN KEY (`song_idx`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `song_line`
--

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

--
-- Table structure for table `tier`
--

```

```

DROP TABLE IF EXISTS `tier`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `tier` (
  `user_idx` int NOT NULL COMMENT '사용자 인덱스',
  `clear_cnt` int NOT NULL DEFAULT '0' COMMENT '클리어 수',
  `user_tier` varchar(10) NOT NULL DEFAULT 'bronze' COMMENT '등급',
  KEY `fk_tier_user_idx` (`user_idx`),
  CONSTRAINT `fk_tier_user_idx` FOREIGN KEY (`user_idx`) REFERENCES `user` (`user_idx`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `tier`
--

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

--
-- Table structure for table `user`
--

DROP TABLE IF EXISTS `user`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `user` (
  `user_idx` int NOT NULL AUTO_INCREMENT COMMENT '유저 인덱스',
  `nickname` varchar(16) NOT NULL COMMENT '닉네임',
  `password` text NOT NULL COMMENT '패스워드',
  `gender` varchar(8) NOT NULL COMMENT '성별',
  `birth` date NOT NULL COMMENT '생년월일',
  `user_isDelete` tinyint NOT NULL DEFAULT '0' COMMENT '탈퇴 여부',
  `user_email` varchar(60) NOT NULL COMMENT '이메일',
  `profile_image` blob COMMENT '프로필 사진',
  PRIMARY KEY (`user_idx`),

```

```

    UNIQUE KEY `nickname` (`nickname`),
    UNIQUE KEY `user_email` (`user_email`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `user`
--

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

--
-- Table structure for table `user_roles`
--

DROP TABLE IF EXISTS `user_roles`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `user_roles` (
  `user_user_idx` int NOT NULL AUTO_INCREMENT,
  `roles` text,
  PRIMARY KEY (`user_user_idx`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `user_roles`
--

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

--

```

```

-- Table structure for table `video`
--

DROP TABLE IF EXISTS `video`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `video` (
  `video_idx` int NOT NULL AUTO_INCREMENT COMMENT '영상 인덱스',
  `video_date` date NOT NULL DEFAULT (curdate()) COMMENT '생성
  `video_title` text NOT NULL COMMENT '제목',
  `video_picture` blob COMMENT '영상사진',
  `user_idx` int NOT NULL COMMENT '유저 인덱스',
  `video_path` text NOT NULL,
  PRIMARY KEY (`video_idx`),
  KEY `fk_video_user_idx` (`user_idx`),
  CONSTRAINT `fk_video_user_idx` FOREIGN KEY (`user_idx`) REF
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `video`
--

LOCK TABLES `video` WRITE;
/*!40000 ALTER TABLE `video` DISABLE KEYS */;
/*!40000 ALTER TABLE `video` 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 2024-02-16  1:13:49

```

