포팅 매뉴얼

I. 개발환경

1. 프로젝트 기술 스택
   Server : AWS EC2 Ubuntu 20.04 LTS
   Visual Studio Code : 1.75.1
   IntelliJ IDEA : 2022.3.1 (Ultimate Edition) 17.0.5+1-b653.23 amd64
   JVM : OpenJDK 11.0.17
   Docker : 20.10.17
   Web3.js : 16.19.0
   MariaDB : 10.10.2
   Nginx : 1.23.3
   Jenkins : 2.375.2

2. 설정 파일 목록

- Frontend:
  - Jenkinsfile : /home/jenkins/workspace/Dev-Front/frontend/dist/index.html;

- Backend :
  - Dockerfile : /home/jenkins/workspace/Dev-Back/backend/FANFTASY
  - Jenkinsfile : / home/jenkins/workspace/Dev-Back/backend/FANFTASY
  - application.yml : /home/jenkins/workspace/Dev-Back/backend/FANFTASY/src/main/resources

- NGINX :
  - nginx.conf : /etc/nginx/nginx.conf
  -
    - fanftasy.kro.kr.conf : /etc/nginx/sites-available
    - defaulf : /etc/nginx/sites-available

- SSL :
  - fullchain.pem : /etc/nginx/ssl
  - privkey.pem : /etc/nginx/ssl
- DOCKER :
  - docker-compose.yml : /home/ubuntu/docker

II. 설정 파일 목록

1. 젠킨스 설정

1. http://j8a306.p.ssafy.io:9090/로 접속

2. 서버 콘솔에서 docker logs jenkins를 입력하여 나온 결과 값(패스워드)를 입력

3. Install suggested plugins를 클릭하고 플러그인을 설치

4. Jenkins에서 사용할 계정 생성

5. Jenkins 접속 URL 확인 후 Save and Finish 클릭

6. Jenkins 페이지 접속 시, 생성한 계정으로 로그인

7. Jenkins 관리 - 플러그인 관리 - Available plugins에서 gitlab 플러그인 설치

8. NodeJS 플러그인 설치

2. DB 덤프파일

▼ DB_DATA.SQL

```
-- MySQL dump 10.13  Distrib 8.0.32, for Linux (x86_64)
--
-- Host: localhost    Database: FANFTASY
-- --------------------------------------------------------
-- Server version 8.0.32-0ubuntu0.20.04.2

/*!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 utf8mb4 */;
/*!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 `Board`
--

DROP TABLE IF EXISTS `Board`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `Board` (
  `board_id` bigint NOT NULL AUTO_INCREMENT,
  `board_content` varchar(255) DEFAULT NULL,
  `board_reg_date` datetime(6) DEFAULT NULL,
  `board_title` varchar(255) DEFAULT NULL,
  `buy_price` double DEFAULT NULL,
  `file_path` varchar(255) DEFAULT NULL,
  `file_type` varchar(255) DEFAULT NULL,
  `sale_price` double DEFAULT NULL,
  `type` varchar(255) DEFAULT NULL,
  `views` int NOT NULL,
  `board_write_user_id` bigint DEFAULT NULL,
  `nft_id` bigint DEFAULT NULL,
  PRIMARY KEY (`board_id`),
  KEY `FKr6jl2q5vlduilctxqwfx955vk` (`board_write_user_id`),
  KEY `FK2f3qknl5w6v918aqdw1lgkvii` (`nft_id`),
  CONSTRAINT `FK2f3qknl5w6v918aqdw1lgkvii` FOREIGN KEY (`nft_id`) REFERENCES `NFT` (`nft_id`),
  CONSTRAINT `FKr6jl2q5vlduilctxqwfx955vk` FOREIGN KEY (`board_write_user_id`) REFERENCES `users` (`user_id`)
) 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;

--
```

```sql
-- Table structure for table `BoardLike`
--

DROP TABLE IF EXISTS `BoardLike`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `BoardLike` (
  `board_like_id` bigint NOT NULL AUTO_INCREMENT,
  `board_id` bigint DEFAULT NULL,
  `board_like_user_id` bigint DEFAULT NULL,
  PRIMARY KEY (`board_like_id`),
  KEY `FKsy4wlh80jhjnoi37gr4t4lag1` (`board_id`),
  KEY `FKe5m0cmlwq80ivlmreaama7i5` (`board_like_user_id`),
  CONSTRAINT `FKe5m0cmlwq80ivlmreaama7i5` FOREIGN KEY (`board_like_user_id`) REFERENCES `users` (`user_id`),
  CONSTRAINT `FKsy4wlh80jhjnoi37gr4t4lag1` FOREIGN KEY (`board_id`) REFERENCES `Board` (`board_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `BoardLike`
--

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

--
-- Table structure for table `BoardReport`
--

DROP TABLE IF EXISTS `BoardReport`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `BoardReport` (
  `board_report_id` bigint NOT NULL AUTO_INCREMENT,
  `board_id` bigint DEFAULT NULL,
  `board_report_user_id` bigint DEFAULT NULL,
  PRIMARY KEY (`board_report_id`),
  KEY `FKbi1mdacvii50gu9xx978irvqm` (`board_id`),
  KEY `FKhvai2ge5kvs4w5lqo8e09xket` (`board_report_user_id`),
  CONSTRAINT `FKbi1mdacvii50gu9xx978irvqm` FOREIGN KEY (`board_id`) REFERENCES `Board` (`board_id`),
  CONSTRAINT `FKhvai2ge5kvs4w5lqo8e09xket` FOREIGN KEY (`board_report_user_id`) REFERENCES `users` (`user_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `BoardReport`
--

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

--
-- Table structure for table `CommentReport`
--

DROP TABLE IF EXISTS `CommentReport`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `CommentReport` (
  `comment_report_id` bigint NOT NULL AUTO_INCREMENT,
  `comment_id` bigint DEFAULT NULL,
  `comment_report_user_id` bigint DEFAULT NULL,
  PRIMARY KEY (`comment_report_id`),
  KEY `FKmr0oyjdq61wlgqmv9ow6j01la` (`comment_id`),
  KEY `FKlf0u5q1kf0ocrm4raqjejegfw` (`comment_report_user_id`),
  CONSTRAINT `FKlf0u5q1kf0ocrm4raqjejegfw` FOREIGN KEY (`comment_report_user_id`) REFERENCES `users` (`user_id`),
  CONSTRAINT `FKmr0oyjdq61wlgqmv9ow6j01la` FOREIGN KEY (`comment_id`) REFERENCES `comments` (`comment_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `CommentReport`
--

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

--
-- Table structure for table `Log`
--
```

```sql
DROP TABLE IF EXISTS `Log`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `Log` (
  `log_id` bigint NOT NULL AUTO_INCREMENT,
  `transaction_price` double DEFAULT NULL,
  `transaction_time` bigint DEFAULT NULL,
  `buy_user_id` bigint DEFAULT NULL,
  `nft_id` bigint DEFAULT NULL,
  `sell_user_id` bigint DEFAULT NULL,
  PRIMARY KEY (`log_id`),
  KEY `FKhommpf9flwoe3iujacc7q5tkl` (`buy_user_id`),
  KEY `FK2ov1y3co2slb0jp1gpukd4ec8` (`nft_id`),
  KEY `FKg5qvgkk9nh8dawv64xstka7d2` (`sell_user_id`),
  CONSTRAINT `FK2ov1y3co2slb0jp1gpukd4ec8` FOREIGN KEY (`nft_id`) REFERENCES `NFT` (`nft_id`),
  CONSTRAINT `FKg5qvgkk9nh8dawv64xstka7d2` FOREIGN KEY (`sell_user_id`) REFERENCES `users` (`user_id`),
  CONSTRAINT `FKhommpf9flwoe3iujacc7q5tkl` FOREIGN KEY (`buy_user_id`) REFERENCES `users` (`user_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `Log`
--

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

--
-- Table structure for table `NFT`
--

DROP TABLE IF EXISTS `NFT`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `NFT` (
  `nft_id` bigint NOT NULL,
  `current_price` double DEFAULT NULL,
  `edition_num` bigint DEFAULT NULL,
  `is_on_sale` bit(1) DEFAULT NULL,
  `nft_like_num` bigint DEFAULT NULL,
  `sale_contract` varchar(255) DEFAULT NULL,
  `transaction_time` datetime(6) DEFAULT NULL,
  `nft_source_id` bigint DEFAULT NULL,
  `owner_id` bigint DEFAULT NULL,
  PRIMARY KEY (`nft_id`),
  KEY `FKd41r8jgf27x9i91ot4k8g4ot0` (`nft_source_id`),
  KEY `FKwi6p67ge90higvkv60c3u9wn` (`owner_id`),
  CONSTRAINT `FKd41r8jgf27x9i91ot4k8g4ot0` FOREIGN KEY (`nft_source_id`) REFERENCES `NFTSource` (`nft_source_id`),
  CONSTRAINT `FKwi6p67ge90higvkv60c3u9wn` FOREIGN KEY (`owner_id`) REFERENCES `users` (`user_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `NFT`
--

LOCK TABLES `NFT` WRITE;
/*!40000 ALTER TABLE `NFT` DISABLE KEYS */;
INSERT INTO `NFT` VALUES (71,500,1,_binary '',0,'0xB049716252c0374615AD3c78193e75a4F5b86331','2023-04-06 17:25:50.431378',2,1
0),(72,500,2,_binary '',1,'0x5442D3BF0AeefEA4185b80Dc9D14d5B8e6ebd9Bd','2023-04-06 17:28:12.703809',2,10),(73,1000,3,_binary
'',0,'0x12214061bC79EbD6DfF845956597Ce36807f6C78','2023-04-06 17:30:14.522526',2,10),(74,1.5,1,_binary '\0',0,'0x6018226221303
289117033f2e0eb9ce08639af2a','2023-04-06 17:44:21.298579',3,9),(75,1.5,2,_binary '\0',0,'0xf2f271f98fbb1d65051f0e84de3e5d3477e3
4e02','2023-04-06 17:44:21.298579',3,9),(76,1.5,3,_binary '\0',0,'0xfeeaa80073e55e33d649551a88599b502291bfd8','2023-04-06 17:4
4:21.298579',3,9),(80,111,1,_binary '',0,'0x162d1C902d29AD394F64F9843e781E87e5C7cC1e','2023-04-06 18:27:09.118645',5,11),(81,0.
5,2,_binary '\0',0,'0x67e1a8134942bf12c50b34e17d44d29d7dcad5b1','2023-04-06 17:48:55.163347',5,9),(82,0.5,3,_binary '\0',0,'0xd
09643068a7dffbb1c5aaa15695b59135f924b1b','2023-04-06 17:48:55.163347',5,9),(83,0.5,4,_binary '\0',0,'0xa1a335d6a42053e56a8569ba
2521b5b4b638f97d','2023-04-06 17:48:55.163347',5,9),(84,0.5,5,_binary '\0',0,'0x1b20c16f423e907c9795958f9cb1eef412cebbb9','2023
-04-06 17:48:55.163347',5,9),(85,0.5,6,_binary '\0',0,'0x98472d5b46c65ddb2549736b3e83b73d6d31cdfd','2023-04-06 17:48:55.16334
7',5,9),(86,0.5,7,_binary '\0',0,'0xe927e72ababb7a0f50cb44f127bda89d69470adc','2023-04-06 17:48:55.163347',5,9),(87,0.5,8,_bina
ry '\0',0,'0xa6f32249abf5401d0c7d698eab7930c518a605bc','2023-04-06 17:48:55.163347',5,9),(88,0.5,9,_binary '\0',0,'0x95107cb588
9f63e2169db32f3f02771bd791adb2','2023-04-06 17:48:55.163347',5,9),(89,0.5,10,_binary '\0',0,'0xfa10351b0fc27b6564d106593a554bab
ef65909c','2023-04-06 17:48:55.163347',5,9),(90,0.3,1,_binary '\0',0,'0x5a520b7231555a3a3aa5676deda3622d77dc9ac8','2023-04-06 1
7:49:19.291791',6,9),(91,0.3,2,_binary '\0',0,'0xdf27697222ecf75e9eb711a3b2e96715f0e38e45','2023-04-06 17:49:19.291791',6,9),(9
2,0.3,3,_binary '\0',0,'0x174c86892dc12e2f06a12dfe27c660751c5fea2b','2023-04-06 17:49:19.291791',6,9),(93,0.3,4,_binary '\0',
0,'0x1f8fe1dc1d2689149a03f6bd93abc52e11f681ef','2023-04-06 17:49:19.291791',6,9),(94,0.3,5,_binary '\0',0,'0x4acb4e6be2d1fbf425
3d9306cbe4da7f2c17c899','2023-04-06 17:49:19.291791',6,9),(95,20,1,_binary '',0,'0xd83d0b7703Bbb49d4c5b3EfB80a51ee218236c51','2
023-04-06 18:11:44.737018',7,11),(96,2,2,_binary '\0',0,'0xa403c97451df36734b97d83ed6846da815be1161','2023-04-06 17:50:39.48486
4',7,9),(97,2,3,_binary '\0',0,'0xabb13b3b86d01c3f6f0fc7a9d1e0b9284ac59afa','2023-04-06 17:50:39.484864',7,9),(98,2,4,_binary
'\0',0,'0x809b2541cba6d976e71fc9f02447a35a44d834c5','2023-04-06 17:50:39.484864',7,9),(99,2,5,_binary '\0',0,'0x4575c3f0dd8896
a93971d763c02d8ac9785fac8e','2023-04-06 17:50:39.484864',7,9),(100,0.7,1,_binary '\0',0,'0x34dffef17433e62ff3735b965edddda50014
504d','2023-04-06 17:51:57.245307',8,9),(101,0.7,2,_binary '\0',0,'0x64464f4fdce25884ee17955da44d37f9538cb246','2023-04-06 17:5
1:57.245307',8,9),(110,5,1,_binary '\0',0,'0x396ebb76e5c99a67b340253444e76bdd2c5f7880','2023-04-06 17:54:20.396363',10,9),(111,
50,1,_binary '\0',0,'0x4c6600c8695ece1ccbfe1c636f73f82de3342435','2023-04-06 17:58:09.915620',11,9),(112,50,2,_binary '\0',0,'0
xfac07a6b9c1ab647c8a22bce657ba03e88f11231','2023-04-06 17:58:09.915620',11,9),(113,50,3,_binary '\0',0,'0x28c6398e827d1befd5837
1530c560ee188a2af04','2023-04-06 17:58:09.915620',11,9),(114,50,4,_binary '\0',0,'0x58eeba9e55a603788059f69f226a39c5a76f7de
```

```
3','2023-04-06 17:58:09.915620',11,9),(115,50,5,_binary '\0',0,'0x14cccd412a2342b6b725771241a3c67c8886eddf','2023-04-06 17:58:0
9.915620',11,9),(116,50,6,_binary '\0',0,'0x65a1b08e9e3b67588cdc7cad699cc3ba7fbded26','2023-04-06 17:58:09.915620',11,9),(117,5
0,7,_binary '\0',0,'0x2346441069a33f7df34f451f03c4b7d6e8da2a2c','2023-04-06 17:58:09.915620',11,9),(118,50,8,_binary '\0',0,'0x
08db38107d278eed993208f3882e6b413db8ea43','2023-04-06 17:58:09.915620',11,9),(119,50,9,_binary '\0',0,'0xb9fb297121c533ea9bb800
28fb04a7a8408b1297','2023-04-06 17:58:09.915620',11,9),(120,50,10,_binary '\0',0,'0xfed574f65debed0cf0b1e91200bc6cbe38a6b46
4','2023-04-06 17:58:09.915620',11,9),(121,0.8,1,_binary '\0',0,'0x93981766a1db802d77d31f316488d3319367e668','2023-04-06 18:00:
38.068262',12,9),(122,0.8,2,_binary '\0',0,'0x0456cedb1c7afe1aa06f37ecc54548ec58c7641a','2023-04-06 18:00:38.068262',12,9),(12
3,0.8,3,_binary '\0',0,'0x644810d676ecfa0d4ea670423504e7eef0de9f53','2023-04-06 18:00:38.068262',12,9),(124,0.8,4,_binary '\0',
0,'0x7b90deb809fc9f9d6a78033eb01dfeb545b6ec86','2023-04-06 18:00:38.068262',12,9),(125,0.8,5,_binary '\0',0,'0x5eecc0fc2a978e04
bac746bef0c5d7fa7aba654a','2023-04-06 18:00:38.068262',12,9),(126,0.8,6,_binary '\0',0,'0x406a3f1a68705ec2bb645e63874af8439e0a0
c46','2023-04-06 18:00:38.068262',12,9),(127,11,1,_binary '',0,'0x33C7B5b592763B69DdA4beEbe9EB19a0abe13298','2023-04-06 18:08:3
7.807688',13,11),(128,5,2,_binary '',0,'0xfBAB76B894E61da5c733bBC782e92bf02170AA9A','2023-04-06 18:26:59.218657',13,12),(129,8,
3,_binary '\0',0,'0x996d078ace6850603722a42b25b8ed421c4d780d','2023-04-06 18:01:48.036602',13,9),(130,8,4,_binary '\0',0,'0x5ac
bdf05221293da64dd176ebe0b9260c61c08e4','2023-04-06 18:01:48.036602',13,9),(131,8,5,_binary '\0',0,'0xf250a0d3f8f236be006cad9427
1fda27b2b712cb','2023-04-06 18:01:48.036602',13,9),(132,8,6,_binary '\0',0,'0x0b753ecca33e88a2d6a8ef5a1ae39174a2b24cac','2023-0
4-06 18:01:48.036602',13,9),(133,8,7,_binary '\0',0,'0x76a5f2a36fe898f4d0a275c32229c8fd1bd2dd81','2023-04-06 18:01:48.036602',1
3,9),(134,8,8,_binary '\0',0,'0xf97952761393ad580c7962f8a481d6940083f7e1','2023-04-06 18:01:48.036602',13,9),(135,8,9,_binary
'\0',0,'0x8dd7f65f2345a14c1a7354d1e82eac9ad4c8bd46','2023-04-06 18:01:48.036602',13,9),(136,8,10,_binary '\0',0,'0xa13b8b93752
d7dc3d8ee23092f599b0df2e73ee3','2023-04-06 18:01:48.036602',13,9),(137,8,11,_binary '\0',0,'0x15318bc2912c40f70194377f6366901c6
d91bc64','2023-04-06 18:01:48.036602',13,9),(138,8,12,_binary '\0',0,'0xc5a413c1b462b9935a60f256497d638cea39d257','2023-04-06 1
8:01:48.036602',13,9),(142,1,1,_binary '',0,'0xB590447D5220A2983A75865F18A62fa1Aeaaec96','2023-04-06 23:48:01.769437',15,12),(1
43,1,2,_binary '\0',0,'0x0381d8863cba93aee786bae7533218cb9761ee01','2023-04-06 23:50:43.325307',15,12),(144,1,3,_binary '\0',
0,'0x490794d2a29117a8b292c8fd656c4a28b8fd577a','2023-04-07 00:03:08.253722',15,12),(145,0.5,4,_binary '',0,'0x816AB9137256e6BFA
51B59086DddBB94aaF0f94c','2023-04-07 00:22:53.456793',15,13),(146,1,5,_binary '\0',0,'0x5711dca5de8d6a92c388f18e1c6fa83ef74b6bc
8','2023-04-06 23:46:35.160725',15,9),(147,1,6,_binary '\0',0,'0x5a45460039cb655fa889dfc51b3ba179d9a6abfd','2023-04-06 23:46:3
5.160725',15,9),(148,1,7,_binary '\0',0,'0x7285156c00fb100095c0fc19fc4ec3edd16c3255','2023-04-06 23:46:35.160725',15,9),(149,1,
8,_binary '\0',0,'0x82ab724c464f520cc8eae6c326cc02c8d828083f','2023-04-06 23:46:35.160725',15,9),(150,1,9,_binary '\0',0,'0x23c
cc9bfac82bee17955ed1aa2eebef54d1d447b','2023-04-06 23:46:35.160725',15,9),(151,1,10,_binary '\0',0,'0xc1f0684195baf8ce31b6e69fe
0097d8fd33f9374','2023-04-06 23:46:35.160725',15,9),(154,1,1,_binary '\0',0,'0xf883ee0279ca9d360c7c73547721cd902777cb52','2023-
04-07 00:50:06.368327',17,9),(155,1,2,_binary '\0',0,'0x599946f1a37819b485cc6227932578833db04765','2023-04-07 00:50:06.368327',
17,9),(156,1,1,_binary '\0',0,'0xcf18492bb2d4ca0d6cce174d68feca352f2bc212c','2023-04-07 01:04:45.776328',18,9),(157,1,2,_binary
'\0',0,'0x297cb8a8cacd50ccaff92d0d49eb7d08880cba20','2023-04-07 01:04:45.776328',18,9),(158,1,3,_binary '\0',0,'0x462b36caffa6
2b5d0cf8745f629b78851c705278','2023-04-07 01:04:45.776328',18,9),(159,1,4,_binary '\0',0,'0x59303de9f72b2989a317f149178f3d206d8
be6c1','2023-04-07 01:04:45.776328',18,9),(160,1,1,_binary '\0',0,'0xf7dce4f7c3d660fe80a066ddae8e16798c60b5dc','2023-04-07 01:0
9:03.395241',19,9),(161,1,2,_binary '\0',0,'0xcaae9df87754df6923f6e043204740d0b7726800','2023-04-07 01:09:03.395241',19,9),(16
2,1,3,_binary '\0',0,'0xa0fd045ecfbbd813fd55e8b3dc85714f87d01a0b','2023-04-07 01:09:03.395241',19,9),(163,5,1,_binary '\0',0,'0
x6e87a53367177998a0b7969cc5c691db260d06ee','2023-04-07 01:39:00.521455',20,9),(164,5,2,_binary '\0',0,'0x1c5bba6e604c5fc73e784d
5ea3b386ce3a9e40eb','2023-04-07 01:39:00.521455',20,9),(165,5,3,_binary '\0',0,'0xb808e223cb12e6bea1a33fdf92f1e3bb149205d5','20
23-04-07 01:39:00.521455',20,9),(166,5,4,_binary '\0',0,'0xb44bee0ac01870a6792832a0b00936e59339786d','2023-04-07 01:39:00.52145
5',20,9),(167,5,5,_binary '\0',0,'0xc0b0c9dde637829a7e841813da8281140956f5af','2023-04-07 01:39:00.521455',20,9),(168,5,6,_bina
ry '\0',0,'0xc530088cc123e933d8dc32812ade45775d6dfdfb','2023-04-07 01:39:00.521455',20,9),(169,5,7,_binary '\0',0,'0xbf4fe66e7a
ff101916dfe634953283a0de1f8d43','2023-04-07 01:39:00.521455',20,9),(170,5,8,_binary '\0',0,'0x070416caa7fbd0969eef3a0ce97dd8249
8432775','2023-04-07 01:39:00.521455',20,9),(171,5,9,_binary '\0',0,'0x28fb37a86ac2d9bddbaf624031c521697fdb96d7','2023-04-07 0
1:39:00.521455',20,9),(172,5,10,_binary '\0',0,'0xd1ae039565aa0803ac8f1b598af9741766050114','2023-04-07 01:39:00.521455',20,9),
(173,5,1,_binary '\0',0,'0x76099c4973ce199c03ea5f0d9d2fd1582e3711b5','2023-04-07 01:39:23.051945',21,9),(174,5,2,_binary '\0',
0,'0x8412005ffe25cf3d41091574d8db75ba75317d1b','2023-04-07 01:39:23.051945',21,9),(175,5,3,_binary '\0',0,'0xae3671a586656a2611
30ba2ed57a072ab64080f0','2023-04-07 01:39:23.051945',21,9),(176,5,4,_binary '\0',0,'0x9f6c4adb8e41b7e43713508cfebad4e450859fa
f','2023-04-07 01:39:23.051945',21,9),(177,5,5,_binary '\0',0,'0xb03c4e33ed2f9892df46907d6d782780a9908339','2023-04-07 01:39:2
3.051945',21,9),(178,5,6,_binary '\0',0,'0x1a196cbd2e3839a8f6a39bdfe833b4bf77df2583','2023-04-07 01:39:23.051945',21,9),(179,5,
7,_binary '\0',0,'0x909fcb1f3cab9cfe7c9d0caeb98657b0c803afb3','2023-04-07 01:39:23.051945',21,9),(180,5,8,_binary '\0',0,'0x5f9
05b564c2b27700ddf6e4e2ec6666303c99a41','2023-04-07 01:39:23.051945',21,9),(181,5,9,_binary '\0',0,'0xe7343e7e2c7552a1bd518fb90f
aa4450742d5a9a','2023-04-07 01:39:23.051945',21,9),(182,5,10,_binary '\0',0,'0x4926e14abd154f6ffeabdc745d94203af49c2886','2023-
04-07 01:39:23.051945',21,9),(183,500,1,_binary '\0',0,'0x86e5f130f2b214c65843459fbd69185d57a2e692','2023-04-07 02:04:25.08548
1',22,9),(184,500,2,_binary '\0',0,'0x4e53b71af48e235139b9e967ee21581f38baed27','2023-04-07 02:04:25.085481',22,9),(185,500,3,_
binary '\0',0,'0x7cc6e9f032d5a9b731df71cd89ba79ae8e7f42fa','2023-04-07 02:04:25.085481',22,9),(186,500,4,_binary '\0',0,'0x3354
68dcbe6c2fb48d8cd2155587ea51521fd60c','2023-04-07 02:04:25.085481',22,9),(187,500,5,_binary '\0',0,'0x23899b6b06bb78c4a5053d8b6
308be3dd9d796dc','2023-04-07 02:04:25.085481',22,9);
/*!40000 ALTER TABLE `NFT` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `NFTLike`
--

DROP TABLE IF EXISTS `NFTLike`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `NFTLike` (
  `nft_like_id` bigint NOT NULL AUTO_INCREMENT,
  `nft_id` bigint DEFAULT NULL,
  `nft_like_user_id` bigint DEFAULT NULL,
  PRIMARY KEY (`nft_like_id`),
  KEY `FK5jby2sfr8tgk4tmd4rxgteyl1` (`nft_id`),
  KEY `FKkth1iisirhbsr1slrxvba3fc9` (`nft_like_user_id`),
  CONSTRAINT `FK5jby2sfr8tgk4tmd4rxgteyl1` FOREIGN KEY (`nft_id`) REFERENCES `NFT` (`nft_id`),
  CONSTRAINT `FKkth1iisirhbsr1slrxvba3fc9` FOREIGN KEY (`nft_like_user_id`) REFERENCES `users` (`user_id`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `NFTLike`
--

LOCK TABLES `NFTLike` WRITE;
/*!40000 ALTER TABLE `NFTLike` DISABLE KEYS */;
INSERT INTO `NFTLike` VALUES (1,72,9);
/*!40000 ALTER TABLE `NFTLike` ENABLE KEYS */;
```

```sql
UNLOCK TABLES;

--
-- Table structure for table `NFTSource`
--

DROP TABLE IF EXISTS `NFTSource`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `NFTSource` (
  `nft_source_id` bigint NOT NULL AUTO_INCREMENT,
  `content` varchar(255) NOT NULL,
  `end_date` datetime(6) NOT NULL,
  `file_CID` varchar(255) NOT NULL,
  `file_type` varchar(255) NOT NULL,
  `like_num` bigint NOT NULL,
  `meta_CID` varchar(255) NOT NULL,
  `origin_price` double NOT NULL,
  `reg_date` datetime(6) NOT NULL,
  `remain_num` bigint NOT NULL,
  `title` varchar(255) NOT NULL,
  `total_num` bigint NOT NULL,
  `reg_artist` bigint NOT NULL,
  PRIMARY KEY (`nft_source_id`),
  KEY `FKalf5lju5044wdciqo7no12iwu` (`reg_artist`),
  CONSTRAINT `FKalf5lju5044wdciqo7no12iwu` FOREIGN KEY (`reg_artist`) REFERENCES `users` (`user_id`)
) ENGINE=InnoDB AUTO_INCREMENT=23 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `NFTSource`
--

LOCK TABLES `NFTSource` WRITE;
/*!40000 ALTER TABLE `NFTSource` DISABLE KEYS */;
INSERT INTO `NFTSource` VALUES (2,'날닮은','2023-04-12 00:00:00.000000','https://ipfs.io/ipfs/QmU9g9J8DKabzPVXcAZMmPjsvteaV6uMFncdXYQEB82CY4','image',0,'https://ipfs.io/ipfs/QmbC7mTmk9iMVuw7FipPwg4ZpkzWnLoYUz3mVUhU5py61p',1,'2023-04-06 17:24:45.914892',0,'쿠로미',3,10),(3,'10주년 콘서트 하이라이트 장면','2023-04-21 00:00:00.000000','https://ipfs.io/ipfs/QmdoMQAcvMyFuKFsTYebQbpAhSZMt7csxirrFy9MDQ2Yhf','image',0,'https://ipfs.io/ipfs/QmX6wBgwro76pFydfgEnqB78LwNURj52E8bj6gMd7KaCys',1.5,'2023-04-06 17:44:21.298579',3,'히어로 10주년 콘서트',3,10),(5,'정규 2집 앨범 발매 기념 NFT','2023-04-26 00:00:00.000000','https://ipfs.io/ipfs/QmastPAgtmwaEcyrM5V1iiRJbCnep8WvgVpwbVnyHidoMM','image',0,'https://ipfs.io/ipfs/QmUFzWofu615Fp19L2d184AnKZsy5FL4cEFXFuij657Uy2',0.5,'2023-04-06 17:48:55.163347',9,'2집 앨범 커버',10,10),(6,'해외 촬영을 위한 국제 공항 출국길','2023-04-10 00:00:00.000000','https://ipfs.io/ipfs/QmPeUVu65uJhCZ34uyM5yJ2WtgR6iqRSTD6hVwyMmCDZ9G','image',0,'https://ipfs.io/ipfs/QmTMRpfZQouape5HAxykBq3dGZugGvPFnn1JbZLtumNGVU',0.3,'2023-04-06 17:49:19.291791',5,'국제공항 출국길',5,6),(7,'세상에서 가장 어깨 넓게 나온 소중한 짤입니다^^','2023-04-29 00:00:00.000000','https://ipfs.io/ipfs/QmQPyxsjEkKGoTeSX4q66cWoZDzYjJrRxjGVCSMTz4atjJ','image',0,'https://ipfs.io/ipfs/QmVWmufjPzsBt3ywDebhmqiuKjsWq7vVjBsYMSRjPanMYF',2,'2023-04-06 17:50:39.484864',4,'어깨 깡패짤',5,10),(8,'기상캐스터 배역 연기 NFT','2023-04-18 00:00:00.000000','https://ipfs.io/ipfs/QmUXmU57k7qQoyYpNrLS2i5iKR4DW8bj22bZYXU4EF9q1S','image',0,'https://ipfs.io/ipfs/QmWGXZwqn6R1sa9mDpnCCf426mVB8sJbGDHivjXFVT84DK',0.7,'2023-04-06 17:51:57.245307',2,'기상캐스터 연기 역할 NFT',2,6),(10,'우주 슈퍼 멋쟁이\n제곧내의 표본','2023-04-28 00:00:00.000000','https://ipfs.io/ipfs/QmcJbQpWws9wLYy3kNVbX4Zjuvoo1s861yPq6Q9BCZSg5g','image',0,'https://ipfs.io/ipfs/QmTnXRZCQdxezZU7UDjc2Ha85Qssdgb3WXZjeA3V13HH6A',5,'2023-04-06 17:54:20.396363',1,'우주 슈퍼 멋쟁이',1,3),(11,'사랑이 넘치는 NFT','2023-04-29 00:00:00.000000','https://ipfs.io/ipfs/QmYxrh3NRKV5ijhzyWkhLmMTEWRXSB2y2UV64StpeJA2kH','image',0,'https://ipfs.io/ipfs/QmX6YeVzyV9Qt6coMzEAWawkmCVbpUNZJqkkGqNKu61FVP',50,'2023-04-06 17:58:09.915620',10,'사랑이 넘치는 NFT',10,3),(12,'촬영장 가는 길에 찍힌 유명 연예인 NFT 사진','2023-04-19 00:00:00.000000','https://ipfs.io/ipfs/QmeWjZFagJsbPQJvaHSnHrBpR7VGVAUB1YkKwNDUV4GJCx','image',0,'https://ipfs.io/ipfs/QmSv3yh62Nbjt5Gt5ae5muH8jwqfozN2cihKD9ekaZCAes',0.8,'2023-04-06 18:00:38.068262',6,'촬영 가는 길 NFT',6,6),(13,'노래하는 가수 NFT','2023-04-24 00:00:00.000000','https://ipfs.io/ipfs/QmVrRKBbyCFU8Con2MyuzBgWJCGYE1R5TARAKVjQFihVcU','image',0,'https://ipfs.io/ipfs/QmaVbBBRCqMXKLNGccxMqWCr9XgmzFcLiSfEKMniTSrVtt',8,'2023-04-06 18:01:48.036602',10,'노래하는 가수 NFT',12,3),(15,'치타는 뛰고 있다.','2023-04-08 00:00:00.000000','https://ipfs.io/ipfs/QmdrixTKKFTnucerBaS5FcbrPT33RzzYHBFc4weNZ5WyCz','image',0,'https://ipfs.io/ipfs/QmXeVY8XBSS6V6bt8yEWYoGfNJGCzrsg5iho84qDJ3Dq8r',1,'2023-04-06 23:46:35.160725',6,'시간이 없다',10,5),(17,'나무는 모두에게 친절합니다.','2023-05-04 00:00:00.000000','https://ipfs.io/ipfs/QmfRZgM5YfJrjghFhe5Z5w32CwK8ipkTos5UMMPgJSxffS','image',0,'https://ipfs.io/ipfs/QmRn3aRhKYXDeD6Fhkz5SNt9HBwYpDzQ3X9kStksp9Dggo',1,'2023-04-07 00:50:06.368327',2,'나무는 좋은 거',2,3),(18,'아낌없이 주는 나무','2023-04-28 00:00:00.000000','https://ipfs.io/ipfs/QmfRZgM5YfJrjghFhe5Z5w32CwK8ipkTos5UMMPgJSxffS','image',0,'https://ipfs.io/ipfs/QmaxZcG7YskFPT9KtabCVncTRW1F5pdUHCaWZ9MMp44FWQ',1,'2023-04-07 01:04:45.776328',4,'나무는 사랑스러워',4,3),(19,'공연 당시의 뜨거운 열기를 담은 사진입니다.','2023-04-08 00:00:00.000000','https://ipfs.io/ipfs/QmbpHVmjXqUJ58sTwu9fxtwKX36uVXqn8nxRfcUW1qCWmN','image',0,'https://ipfs.io/ipfs/QmcD7RxVKCwxVw77QnRcKhD98CbQEf2UKbuN5XNi9HDbSM',1,'2023-04-07 01:09:03.395241',3,'공연 촬영 사진',3,4),(20,'냉용','2023-04-08 00:00:00.000000','https://ipfs.io/ipfs/QmdrixTKKFTnucerBaS5FcbrPT33RzzYHBFc4weNZ5WyCz','image',0,'https://ipfs.io/ipfs/QmXqTA1YpciiJBFp3hEQPPVP6zmExYntVkBcC4Xi2pdFLp',5,'2023-04-07 01:39:00.521455',10,'제목',10,5),(21,'냉용','2023-04-08 00:00:00.000000','https://ipfs.io/ipfs/QmdrixTKKFTnucerBaS5FcbrPT33RzzYHBFc4weNZ5WyCz','image',0,'https://ipfs.io/ipfs/QmXM28fktzt43XqUUCj9fnfo9FEA5dbjndSyKtNYsceCH4',5,'2023-04-07 01:39:23.051945',10,'제목',10,5),(22,'나무가 너무 크다','2023-04-30 00:00:00.000000','https://ipfs.io/ipfs/QmfRZgM5YfJrjghFhe5Z5w32CwK8ipkTos5UMMPgJSxffS','image',0,'https://ipfs.io/ipfs/QmeB8US5nUawsKLpYGErupJjuCr4GVGqWhdpJ6P6M1PMCa',500,'2023-04-07 02:04:25.085481',5,'큰 나무',5,3);
/*!40000 ALTER TABLE `NFTSource` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `NFTSourceLike`
--

DROP TABLE IF EXISTS `NFTSourceLike`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `NFTSourceLike` (
  `nft_source_like_id` bigint NOT NULL AUTO_INCREMENT,
  `nft_source_id` bigint DEFAULT NULL,
  `user_id` bigint DEFAULT NULL,
  PRIMARY KEY (`nft_source_like_id`),
  KEY `FKe0pjnuhp96w1dlhslen9r99mo` (`nft_source_id`),
  KEY `FK6tyyukmp3vi5q14rcsdc5otin` (`user_id`),
```

```sql
  CONSTRAINT `FK6tyyukmp3vi5q14rcsdc5otin` FOREIGN KEY (`user_id`) REFERENCES `users` (`user_id`),
  CONSTRAINT `FKe0pjnuhp96w1dlhslen9r99mo` FOREIGN KEY (`nft_source_id`) REFERENCES `NFTSource` (`nft_source_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Dumping data for table `NFTSourceLike`
--

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


--
-- Table structure for table `comments`
--

DROP TABLE IF EXISTS `comments`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `comments` (
  `comment_id` bigint NOT NULL AUTO_INCREMENT,
  `comment_content` varchar(255) DEFAULT NULL,
  `comment_reg_date` datetime(6) DEFAULT NULL,
  `board_id` bigint DEFAULT NULL,
  `comment_write_user_id` bigint DEFAULT NULL,
  PRIMARY KEY (`comment_id`),
  KEY `FKht7s0lkjxvkmpsgnoorj9o2wo` (`board_id`),
  KEY `FKoqu6j35nr9ci124b7g9csax9r` (`comment_write_user_id`),
  CONSTRAINT `FKht7s0lkjxvkmpsgnoorj9o2wo` FOREIGN KEY (`board_id`) REFERENCES `Board` (`board_id`),
  CONSTRAINT `FKoqu6j35nr9ci124b7g9csax9r` FOREIGN KEY (`comment_write_user_id`) REFERENCES `users` (`user_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Dumping data for table `comments`
--

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


--
-- Table structure for table `users`
--

DROP TABLE IF EXISTS `users`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `users` (
  `user_id` bigint NOT NULL AUTO_INCREMENT,
  `address` varchar(255) DEFAULT NULL,
  `company` varchar(255) DEFAULT NULL,
  `email` varchar(255) DEFAULT NULL,
  `name` varchar(255) DEFAULT NULL,
  `nickname` varchar(255) DEFAULT NULL,
  `phone` varchar(255) DEFAULT NULL,
  `profile_img` varchar(255) DEFAULT NULL,
  `refresh_token` varchar(255) DEFAULT NULL,
  `role` varchar(255) DEFAULT NULL,
  `total_price` int DEFAULT NULL,
  `total_sales` int DEFAULT NULL,
  `user_key` varchar(255) DEFAULT NULL,
  PRIMARY KEY (`user_id`)
) ENGINE=InnoDB AUTO_INCREMENT=14 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Dumping data for table `users`
--

LOCK TABLES `users` WRITE;
/*!40000 ALTER TABLE `users` DISABLE KEYS */;
INSERT INTO `users` VALUES (1,'0x14714ba238da9f5fe7c439107c7c21b88afe7923','FANFTASY','qwer1234@a.com','장근우','그누그누s','01012
345678','https://fanftasy.s3.ap-northeast-2.amazonaws.com/profileImg/b1b303ee-da6e-470b-9768-ee72f1bf5a03.jpg',NULL,'artist',0,
0,NULL),(2,'0x17a2f5f8b850955151a5bdd9efa57a1fa8a5fa04','ㅂ','123','!!!','내꺼하 자!','ㅁㅁ','https://fanftasy.s3.ap-northeast-2.a
mazonaws.com/profileImg/8c64c983-1b80-40fb-bcc1-366f3322cbb2.png',NULL,'wait',0,0,NULL),(3,'0x90fc2748dc665ce2190db4b56a04026a3
9fd0400','SSAFY','test@gmail.com','심호연','시모엔터','01000000000','https://fanftasy.s3.ap-northeast-2.amazonaws.com/profileImg/8
c64c983-1b80-40fb-bcc1-366f3322cbb2.png',NULL,'once','이메
일','로그인','닉네임','전화번호','https://fanftasy.s3.ap-northeast-2.amazonaws.com/profileImg/fec9ac5e-70b6-40bf-8e39-e4c539011e4e.p
ng',NULL,'artist',0,0,NULL),(5,'0x208c18be9018944a171fbd4b764d3dcdc0e744fb','민수엔터','whalstn@naver.com',' 조민수','minsu','0103
3856659','https://fanftasy.s3.ap-northeast-2.amazonaws.com/profileImg/8c64c983-1b80-40fb-bcc1-366f3322cbb2.png',NULL,'artist',
4,4,NULL),(6,'0x3f00362ef7b4df5ac7a2a0d7e6efe85217b968b7','SSAFY','qwas15788@gmail.com','최현제','FANFTASY 소속','01087921153','h
ttps://fanftasy.s3.ap-northeast-2.amazonaws.com/profileImg/00c13605-a8d3-42ee-ac09-c7cd2c8706c6.jpg',NULL,'artist',0,0,NULL),
(8,'0xcf0a82523381cabc67879d1d3c104ececc915027','하아아이브','admin@gmail.com','관리자','관리자','01038063795','https://fanftasy.s3.
```

```
ap-northeast-2.amazonaws.com/profileImg/8c64c983-1b80-40fb-bcc1-366f3322cbb2.png',NULL,'wait',0,0,NULL),(9,'0xdb2d8bae9f4170328
5d99ab76d655a5e1c2646ab','하이브','admin@gmail.com','관리자','관리자','01038063795','https://fanftasy.s3.ap-northeast-2.amazonaws.c
om/profileImg/7a48df82-b406-4235-b5f5-d9371fda21a0.png',NULL,'ADMIN',0,0,NULL),(10,'0x48ac418272734a34ab70ab52394ed7fd8517de0
8','하입보이','fann3795@naver.com','아티스트','아티스트','01135463245','https://fanftasy.s3.ap-northeast-2.amazonaws.com/profileImg/8
c64c983-1b80-40fb-bcc1-366f3322cbb2.png',NULL,'artist',5,5,NULL),(11,'0xb8ad2cf28e9aa717398fb2b08f8328e916305d98','once','fann@
naver.com','김성환','우리형응원해','01038063954','https://fanftasy.s3.ap-northeast-2.amazonaws.com/profileImg/8c64c983-1b80-40fb-bc
c1-366f3322cbb2.png',NULL,'fan',0,0,NULL),(12,'0x4a88bb923784ec3fb78abefdd8a8d21c261b3dae','once','bank@gmail.com','은행임','ban
ktree','01000000000','https://fanftasy.s3.ap-northeast-2.amazonaws.com/profileImg/8c64c983-1b80-40fb-bcc1-366f3322cbb2.png',NUL
L,'fan',0,0,NULL),(13,'0x15184e70fba8cfc958403c0692c3a064d0771105','once','weedsim@gmail.com','심호연','시모시모','01052162272','h
ttps://fanftasy.s3.ap-northeast-2.amazonaws.com/profileImg/8c64c983-1b80-40fb-bcc1-366f3322cbb2.png',NULL,'fan',0,0,NULL);
/*!40000 ALTER TABLE `users` 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 2023-04-07 11:39:08
```

3. 설정 파일 내역

▼ **Frontend**

▼ Jenkins 설정

```
pipeline {
  agent any
    tools {
      nodejs "nodejs"
    }
  stages {
    stage('Vue Build') {
      steps {
        dir('Frontend') {
          sh 'cd frontend'
          sh 'npm install'
          sh 'npm run build'
        }
      }
    }
  }
}
```

▼ nginx.conf

```
user www-data;
worker_processes auto;
pid /run/nginx.pid;
include /etc/nginx/modules-enabled/*.conf;

events {
  worker_connections 768;
  # multi_accept on;
}

http {

  ##
  # Basic Settings
  ##
  client_max_body_size 100M;
  sendfile on;
  tcp_nopush on;
  tcp_nodelay on;
  keepalive_timeout 65;
  types_hash_max_size 2048;
  # server_tokens off;

  # server_names_hash_bucket_size 64;
  # server_name_in_redirect off;

  include /etc/nginx/mime.types;
```

```
    default_type application/octet-stream;

    ##
    # SSL Settings
    ##

    ssl_protocols TLSv1 TLSv1.1 TLSv1.2 TLSv1.3; # Dropping SSLv3, ref: POODLE
    ssl_prefer_server_ciphers on;

    ##
    # Logging Settings
    ##

    access_log /var/log/nginx/access.log;
    error_log /var/log/nginx/error.log debug;

    ##
    # Gzip Settings
    ##

    gzip on;

    # gzip_vary on;
    # gzip_proxied any;
    # gzip_comp_level 6;
    # gzip_buffers 16 8k;
    # gzip_http_version 1.1;
    # gzip_types text/plain text/css application/json application/javascript text/xml application/xml application/xml+rss tex
t/javascript;

    ##
    # Virtual Host Configs
    ##

    include /etc/nginx/conf.d/*.conf;
    include /etc/nginx/sites-enabled/*;
}


#mail {
# # See sample authentication script at:
# # http://wiki.nginx.org/ImapAuthenticateWithApachePhpScript
#
# # auth_http localhost/auth.php;
# # pop3_capabilities "TOP" "USER";
# # imap_capabilities "IMAP4rev1" "UIDPLUS";
#
# server {
#   listen     localhost:110;
#   protocol   pop3;
#   proxy      on;
# }
#
# server {
#   listen     localhost:143;
#   protocol   imap;
#   proxy      on;
# }
#}
```

▼ default.conf

```
##
# You should look at the following URL's in order to grasp a solid understanding
# of Nginx configuration files in order to fully unleash the power of Nginx.
# https://www.nginx.com/resources/wiki/start/
# https://www.nginx.com/resources/wiki/start/topics/tutorials/config_pitfalls/
# https://wiki.debian.org/Nginx/DirectoryStructure
#
# In most cases, administrators will remove this file from sites-enabled/ and
# leave it as reference inside of sites-available where it will continue to be
# updated by the nginx packaging team.
#
# This file will automatically load configuration files provided by other
# applications, such as Drupal or Wordpress. These applications will be made
# available underneath a path with that package name, such as /drupal8.
#
# Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
##

# Default server configuration
#
server {
# listen 80 default_server;
```

```
# listen [::]:80 default_server;

  listen 80;
  listen [::]:80;



  # SSL configuration
  #
  # listen 443 ssl default_server;
  # listen [::]:443 ssl default_server;
  #
  # Note: You should disable gzip for SSL traffic.
  # See: https://bugs.debian.org/773332
  #
  # Read up on ssl_ciphers to ensure a secure configuration.
  # See: https://bugs.debian.org/765782
  #
  # Self signed certs generated by the ssl-cert package
  # Don't use them in a production server!
  #
  # include snippets/snakeoil.conf;

# root /var/www/html;

  # Add index.php to the list if you are using PHP
# index index.html index.htm index.nginx-debian.html;

  server_name 13.125.99.142 j8a306.p.ssafy.io fanftasy.kro.kr;

  return 301 https://fanftasy.kro.kr;

# location / {
    # First attempt to serve request as file, then
    # as directory, then fall back to displaying a 404.
#   try_files $uri /index.nginx-debian.html $uri/ =404;

# }

  # pass PHP scripts to FastCGI server
  #
  #location ~ \.php$ {
  # include snippets/fastcgi-php.conf;
  #
  # # With php-fpm (or other unix sockets):
  # fastcgi_pass unix:/var/run/php/php7.4-fpm.sock;
  # # With php-cgi (or other tcp sockets):
  # fastcgi_pass 127.0.0.1:9000;
  #}

  # deny access to .htaccess files, if Apache's document root
  # concurs with nginx's one
  #
  #location ~ /\.ht {
  # deny all;
  #}
}


# Virtual Host configuration for example.com
#
# You can move that to a different file under sites-available/ and symlink that
# to sites-enabled/ to enable it.
#
#server {
# listen 80;
# listen [::]:80;
#
# server_name example.com;
#
# root /var/www/example.com;
# index index.html;
#
# location / {
#   try_files $uri $uri/ =404;
# }
#}
```

▼ fanftasy.kro.kr.conf

```
upstream network {
        server localhost:8545;
        server localhost:7545;
}
```

```
server {

        if ( $host = j8a306.p.ssafy.io ) {
                return 301 https://fanftasy.kro.kr;
        }

        location / {
                try_files $uri /index.html;
                root /home/jenkins/workspace/Dev-Front/frontend/dist;
                index index.html;
                proxy_set_header Host $host;
#               proxy_set_header X-Forwarded-Host $server_name;
#               proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
#               proxy_set_header X-Forwarded-Proto $scheme;
#               proxy_set_header Upgrade $http_upgrade;
                proxy_set_header Connection "upgrade";
        }

        location /api {
                proxy_pass http://localhost:8080;
                proxy_set_header Host $host;
        }

        location /network {
                proxy_pass http://localhost:7545;
#               proxy_set_header Host $host;
        }

        location /home {
                root /home/jenkins/workspace/Dev-Front/frontend/dist;
                index index.html;
        }

#       location :7545 {
#               proxy_pass      http://0.0.0.0:7545;
#               proxy_set_header Host $host;
#                proxy_set_header X-Real-IP $remote_addr;
#                proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
#                proxy_ssl_verify off;
#       }

    listen [::]:443 ssl ipv6only=on; # managed by Certbot
    listen 443 ssl; # managed by Certbot
    server_name fanftasy.kro.kr;
#    ssl_certificate /etc/letsencrypt/live/fanftasy.kro.kr/fullchain.pem; # managed by Certbot
#    ssl_certificate_key /etc/letsencrypt/live/fanftasy.kro.kr/privkey.pem; # managed by Certbot
    ssl_certificate /etc/nginx/ssl/fullchain.pem;
    ssl_certificate_key /etc/nginx/ssl/privkey.pem;
    include /etc/letsencrypt/options-ssl-nginx.conf; # managed by Certbot
    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem; # managed by Certbot



}
server {
    if ($host = fanftasy.kro.kr) {
        return 301 https://$host$request_uri;
    } # managed by Certbot


        listen 80;
        listen [::]:80;

        server_name fanftasy.kro.kr 13.125.99.142;
    return 404; # managed by Certbot


}
```

▼ 파일구조

```
├─path
│  ├─contracts
│  └─to
├─public
└─src
├─assets
│  └─fonts
├─components
│  ├─headers
```

```
|   ├─mainpage
|   ├─market
|   ├─mypage
|   └─resell
├─plugins
├─router
├─store
└─views
├─account
├─chatting
├─community
├─mainpage
├─market
└─resell
```

▼ Backend

▼ docker-compose.yml

```
version: '3' # docker compose 버전
services:
local-db:
image: library/mysql:5.7
container_name: subway_local # 컨테이너 이름
restart: always
ports:
- 13306:3306 # 로컬의 13306 포트를 컨테이너의 3306포트로 연결
environment:
MYSQL_USER: air
MYSQL_PASSWORD: air
MYSQL_ROOT_PASSWORD: root
TZ: Asia/Seoul
volumes:
- ./db/mysql/data:/var/lib/mysql
- ./db/mysql/init:/docker-entrypoint-initdb.d
```

▼ docker file

```
FROM openjdk:11-jdk
#ARG JAR_FILE=build/libs/*.jar
#COPY ${JAR_FILE} ./app.jar
COPY build/libs/FANFTASY-0.0.1-SNAPSHOT.jar ./app.jar
#EXPOSE 8099
ENTRYPOINT ["java", "-jar", "app.jar"]
```

▼ jenkins file

```
pipeline {
  agent any
  stages {
    stage('Gradle Build') {
        steps {
          dir('backend'){
            dir('FANFTASY') {
              sh 'chmod +x gradlew'
              sh './gradlew clean build -x test'
            }
          }
        }
    }
    stage('Docker Build') {
        steps {
        dir('backend') {
            dir('FANFTASY') {
              sh 'docker build -t fanftasy-back:latest .'
            }
        }
      }
    }
    stage('Deploy') {
        steps{
          sh 'docker rm -f back'
          sh 'docker run -d --name back -p 8099:8099 -u root fanftasy-back:latest'
```
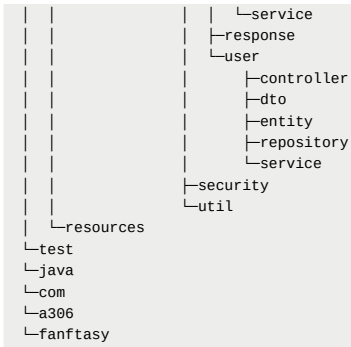
```
        }
    }
    stage('Finish') {
        steps{
          sh 'docker images -qf dangling=true | xargs -I{} docker rmi {}'
        }
    }
  }
}
```

▼ application.yml

```
server:  port: 8080  servlet:     session:      timeout: 60m      cookie:        max-age: 60m    context-path: /    encoding:
```

▼ application-API-KEY.yml

```
pinata:
  API_Key: 24758d33d2d03de6448c
  API_Secret: 059c98642c4243319121d7658e30ff7e3685951b2f27de88e09046e30eedd18c
  JWT: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySW5mb3JtYXRpb24iOnsiaWQiOiI0OTNiMzcyYS0yMTQ0LTQ4MjctYWJlZi0xMTkxNTc3YjU0O

#blockchain:
#  NetworkURL: HTTP://127.0.0.1:7545
#  AdminPrivateKey: "854cd5e63ccba50b9d9aacb8785b8fa969a7e005d1cc19ef62848419b7e13f46"
#  ContractAddress: "0x6d082A87793C6498157b457Bb23f62De82a2692c"
#  NetworkID: 5777
#  AdminAddress: "0xB8Ad2Cf28E9aA717398Fb2b08f8328e916305D98"

#blockchain:
#  NetworkURL: "https://rpc.ssafy-blockchain.com"
#  AdminPrivateKey: "5d5cf483015770a1c5632c8728f958ac40a9967e6fc4ef19b1efffbb320f6b43"
#  NFTContractAddress: "0x6643150E6E336a1130a8017ecd5931a9Fc6ff81f"
#  FTContractAddress: "0x9B15e6809357DCEaD5EF73A79B4fAc3FAe9cDFBf"
#  NetworkID: 31221
#  AdminAddress: "0x169996534c419dCcFf461A4a34505dA7E197054A"

##EC2
blockchain:
  NetworkURL: https://fanftasy.kro.kr/network
  AdminPrivateKey: "0x5c328e1656e37e1d40883b7e275d3d560d9a9086faa6967ee5203cbc640f44c8"
  NFTContractAddress: "0xaeb2DC75a63352947Bdbe6d9E6A37c0752481007"
  NetworkID: 1336
  AdminAddress: "0xdb2d8BAE9F41703285d99AB76d655a5E1c2646AB"
```

▼ 파일 구조

```
파일구조
|  |  └─com
|  |      └─a306
|  |          └─fanftasy
|  |              ├─config
|  |              ├─domain
|  |              |  ├─board
|  |              |  |  ├─controller
|  |              |  |  ├─dto
|  |              |  |  ├─entity
|  |              |  |  ├─repository
|  |              |  |  └─service
|  |              |  ├─boardlike
|  |              |  ├─comment
|  |              |  |  ├─controller
|  |              |  |  ├─dto
|  |              |  |  ├─entity
|  |              |  |  ├─repository
|  |              |  |  └─service
|  |              |  ├─like
|  |              |  |  ├─controller
|  |              |  |  ├─entity
|  |              |  |  ├─repository
|  |              |  |  └─service
|  |              |  ├─nft
|  |              |  |  ├─controller
|  |              |  |  ├─dto
|  |              |  |  ├─entity
|  |              |  |  ├─exception
|  |              |  |  ├─repository
```

```
|   |                    |   └─service
|   |                    ├─response
|   |                    └─user
|   |                        ├─controller
|   |                        ├─dto
|   |                        ├─entity
|   |                        ├─repository
|   |                        └─service
|   |               ├─security
|   |               └─util
|   └─resources
└─test
└─java
└─com
└─a306
└─fanftasy
```

▼ Ganache-cli

　　▼ 실행 시 명령어

　　　nohup ganache-cli -h 0.0.0.0 -p 7545 -a 20 -e 50000000000 --chainId 1336 -g 0 & disown

1. Docker 설치

▼ Install Docker Engine on Ubuntu

```
sudo apt-get update
sudo apt-get install \
ca-certificates \
curl \
gnupg \
lsb-release
sudo mkdir -m 0755 -p /etc/apt/keyrings
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o
/etc/apt/keyrings/docker.gpg
echo \
"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg]
https://download.docker.com/linux/ubuntu \
$(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin
docker-compose-plugin
```

2. SSL 인증서 발급

▼ 쉘 스크립트 생성 (init-letsencrypt.sh)

```
#!/bin/bash
if ! [ -x "$(command -v docker)" ] || ! [ -x "$(command -v compose)" ]; then
echo 'Info: docker compose is not installed.' >&2
exit 1
fi
domains=서비스도메인
rsa_key_size=4096
data_path="/home/ubuntu/certbot"
email="이메일" # Adding a valid address is strongly recommended
staging=0 # Set to 1 if you're testing your setup to avoid hitting request limits
if [ -d "$data_path" ]; then
read -p "Existing data found for $domains. Continue and replace existing
certificate? (y/N) " decision
if [ "$decision" != "Y" ] && [ "$decision" != "y" ]; then
exit
```

```
fi
fi
if [ ! -e "$data_path/conf/options-ssl-nginx.conf" ] || [ ! -e
"$data_path/conf/ssl-dhparams.pem" ]; then
echo "### Downloading recommended TLS parameters ..."
mkdir -p "$data_path/conf"
curl -s
https://raw.githubusercontent.com/certbot/certbot/master/certbot-nginx/certbot_ngin
x/_internal/tls_configs/options-ssl-nginx.conf >
"$data_path/conf/options-ssl-nginx.conf"
curl -s
https://raw.githubusercontent.com/certbot/certbot/master/certbot/certbot/ssl-dhpara
ms.pem > "$data_path/conf/ssl-dhparams.pem"
echo
fi
echo "### Creating dummy certificate for $domains ..."
path="/etc/letsencrypt/live/$domains"
mkdir -p "$data_path/conf/live/$domains"
docker compose run --rm --entrypoint "\
openssl req -x509 -nodes -newkey rsa:$rsa_key_size -days 1\
-keyout '$path/privkey.pem' \
-out '$path/fullchain.pem' \
-subj '/CN=localhost'" certbot
echo
echo "### Starting nginx ..."
docker compose up --force-recreate -d nginx
echo
echo "### Deleting dummy certificate for $domains ..."
docker compose run --rm --entrypoint "\
rm -Rf /etc/letsencrypt/live/$domains && \
rm -Rf /etc/letsencrypt/archive/$domains && \
rm -Rf /etc/letsencrypt/renewal/$domains.conf" certbot
echo
echo "### Requesting Let's Encrypt certificate for $domains ..."
#Join $domains to -d args
domain_args=""
for domain in "${domains[@]}"; do
domain_args="$domain_args -d $domain"
done
# Select appropriate email arg
case "$email" in
"") email_arg="--register-unsafely-without-email" ;;
*) email_arg="--email $email" ;;
esac
# Enable staging mode if needed
if [ $staging != "0" ]; then staging_arg="--staging"; fi
docker compose run --rm --entrypoint "\
certbot certonly --webroot -w /var/www/certbot \
$staging_arg \
$email_arg \
$domain_args \
--rsa-key-size $rsa_key_size \
--agree-tos \
--force-renewal" certbot
echo
echo "### Reloading nginx ..."
docker compose exec nginx nginx -s reload
```

▼ 쉘 스크립트 실행

```
./init-letsencrypt.sh
```

3. DB 및 Infra 배포

▼ docker 설정

  ▼ docker-compose.yml 작성

    : II-3 설정 파일 및 환경 변수 정보의 Docker 항목 참조

▼ Nginx 설정

  ▼ Nginx 설정 : I-3 설정 파일 및 환경 변수 정보의 Nginx 항목을 참조하여
  /home/ubuntu/nginx/nginx.conf 파일 생성 및 수정

▼ Jenkins 설정

1. http://서비스도메인:8093으로 접속

2. 서버 콘솔에서 docker logs jenkins를 입력하여 출력된 패스워드를 입력

3. Install suggested plugins를 클릭하고 플러그인들 설치

4. Jenkins에서 사용할 계정 생성

5. Jenkins 접속 URL 확인 후 Save and Finish 클릭

6. Jenkins 페이지 접속시에 생성한 계정으로 로그인

7. Jenkins 관리 - 플러그인 관리 - Available plugins에서 gitlab 플러그인 설치

8. NodeJS 플러그인도 설치

4. Backend CI/CD

▼ application.yml 작성 : I-3 설정 파일 및 환경 변수 정보의 Backend 항목을 참조하여 파일을 작성하고 ec2 머신의 /home/ubuntu 경로에 준비해 놓는다

▼ Dockerfile 작성 : I-3 설정 파일 및 환경 변수 정보의 Backend 항목을 참조하여 작성후 프로젝트의 Backend 폴더 최상위에 넣어서 GitLab Repository에 push한다

▼ Jenkinsfile 작성 : I-3 설정 파일 및 환경 변수 정보의 Backend 항목 참조하여 작성후 프로젝트의 Backend 폴더 최상위에 넣어서 GitLab Repository에 push한다

▼ GitLab 설정

1. Jenkins 관리 - Manage Credentials로 이동

2. Stores scoped to Jenkins의 Domains 부분에 (global)에 마우스를 올렸을때 나오는 화살표를 클릭하고 Add credentials 클릭

3. GitLab 프로젝트 Repository에서 Settings - Access Tokens로 진입

4. Token name과 만료일을 임의로 설정하고 Select a role은 Maintainer로 설정, scopes는 read_api, read_repository를 체크하고 토큰을 생성한다

5. 위에 생성된 토큰을 복사한다 (미리 백업 해놓지 않으면 다시는 확인 불가)

6. 다시 Jenkins의 New credentials로 돌아와서 다음과 같이 설정 후 Create

   - Kind : GitLab API token

   - Scope : Global

   - API token : gitlab에서 복사해온 값 붙여넣기

   - ID : credential들을 구분하는 ID (임의로 설정)

   - Description : 설명 (임의로 설정)

7. Jenkins 관리 - 시스템 설정으로 진입

8. Gitlab 부분에 추가를 누르고 다음과 같이 작성 후 저장

   - Connection name : 연결설정 이름 (임의로 작성)

- Gitlab host URL : gitlab 서버 도메인 입력 (https://lab.ssafy.com/)
- Credentials : 아까 만든 GitLab API Token Credentials 선택

9. Jenkins 관리 - Manage Credentials에서 Add credentials를 한번 더 클릭

10. . New credentials에서 GitLab 로그인 계정을 다음과 같이 작성

- Kind : Username with password 선택
- Scope : Global 선택
- Username : GitLab 계정 이름
- Password : GitLab 계정 비밀번호
- ID : credential들을 구분하는 ID (임의로 설정)
- Description : 설명 (임의로 설정)

▼ Pipeline item 생성

1. Jenkins 메인화면 좌측 사이드바에서 "새로운 아이템" 클릭
2. Item 이름을 작성하고 Pipeline을 선택한 후 OK
3. General에서 다음과 같이 설정
   - "Do not allow the pipeline to resume if the controller restarts" 체크
   - GitLab Connection을 만들었던 설정으로 선택

▼ Webhook 설정 (Pipeline 설정 이어서)

1. Build Trigger에서 GitLab webhook 부분 체크, Push Event만 체크, webhook URL은 복사해 놓는다
2. 밑에 고급 버튼 클릭
3. 밑에 Secret token을 Generate 버튼을 눌러 생성 후 복사해 놓는다
4. Webhook 설정 후에 테스트까지 하기위해 현재까지의 설정을 저장한다
5. GitLab 프로젝트 Repository에서 Settings - Webhooks에 진입
6. Webhooks에 다음과 같이 작성 후 밑에 Add webhook 클릭
   - URL : 복사해놨던 URL에서 포트번호만 Jenkins 컨테이너에서 포트포워딩한 포트번호로 바꾼다
   - Secret token : 복사해놨던 Secret token 붙여넣기
   - Trigger : Push events만 체크
   - SSL verification : "Enable SSL verification" 체크
7. 아래 생성된 webhook에서 Test - Push events를 눌러서 테스트
8. 위에 HTTP 200이라고 뜬다면 성공

▼ Pipeline script from SCM 설정

1. Pipeline - Definition을 "Pipeline script form SCM"으로 고르고 다음과 같이 설정한다
   - Repository URL : GitLab 프로젝트 Repository url을 입력
   - Credentials : 만들어둔 GitLab 로그인 계정 선택
2. 아래 부분을 다음과 같이 작성 후 저장
   - Branch Specifier : Backend 코드가 배포용으로 최종 merge 되는 브랜치 선택
   - Script path : 선택한 브랜치내에서 Backend의 Jenkinsfile의 경로 입력

▼ 초기 빌드로 git clone 후 application.yml 파일 이동

1. 좌측 사이드바에서 "지금 빌드"를 클릭한다

2. ec2 콘솔에서 /home/jenkins/workspace/Back-End/ 경로로 이동하여 브랜치가 정상적으로 clone이 되었는지 확인

```
cd /home/jenkins/workspace/Back-End
ls
```

3. /home/jenkins/workspace/Back-End/backend/FANFTASY/src/main/ 경로로 이동하여 resources 폴더를 만들고 application.yml 파일을 이동시킨다

```
cd /home/jenkins/workspace/Back-End/backend/FANFTASY/src/main
mkdir resources
# /home/ubuntu 위치에 application.yml이 있다고 하면
mv ~/application.yml ./resources
```

4. 이후 "지금 빌드"를 누르거나 GitLab에 push가 감지되면 자동으로 빌드&배포가 된다

III. 외부 서비스 설정

1. Remix

2. Pinata - IPFS