



1. 관통 프로젝트 설계

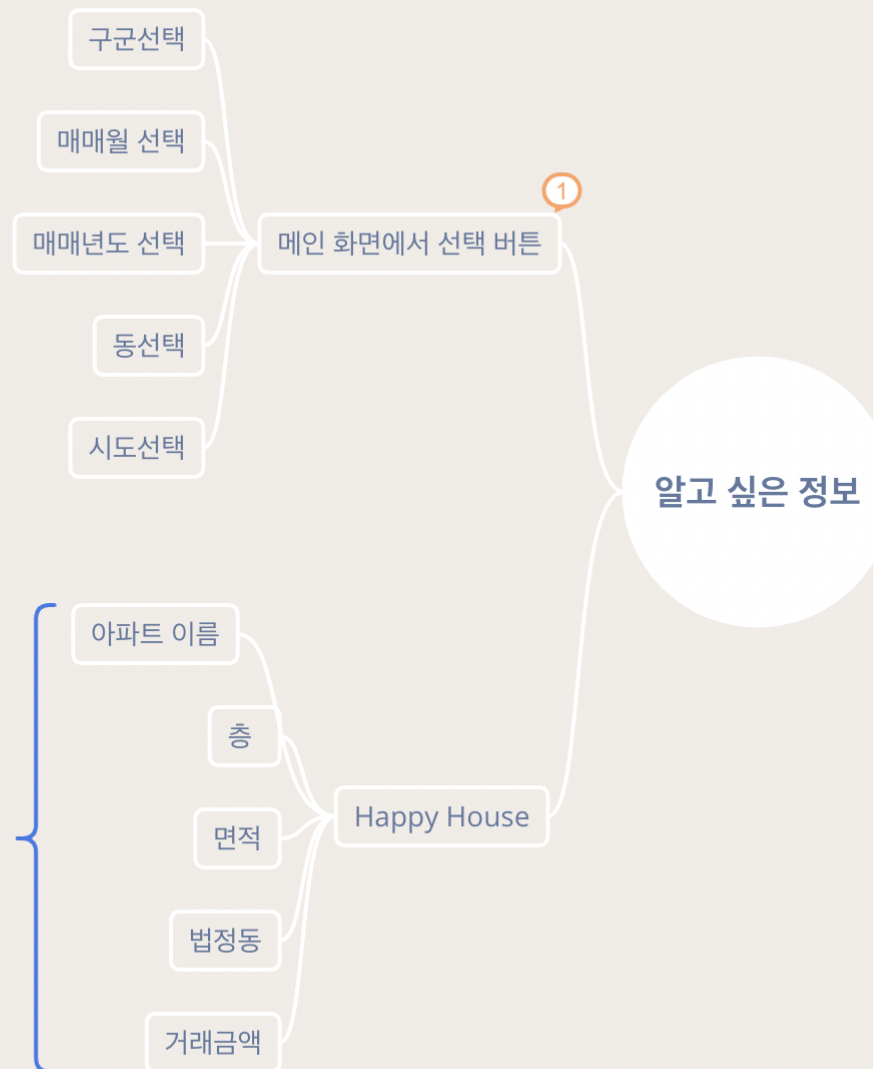
사용한 프로그램 : [GitMind](#)

마인드맵 : [GitMind Map](#)

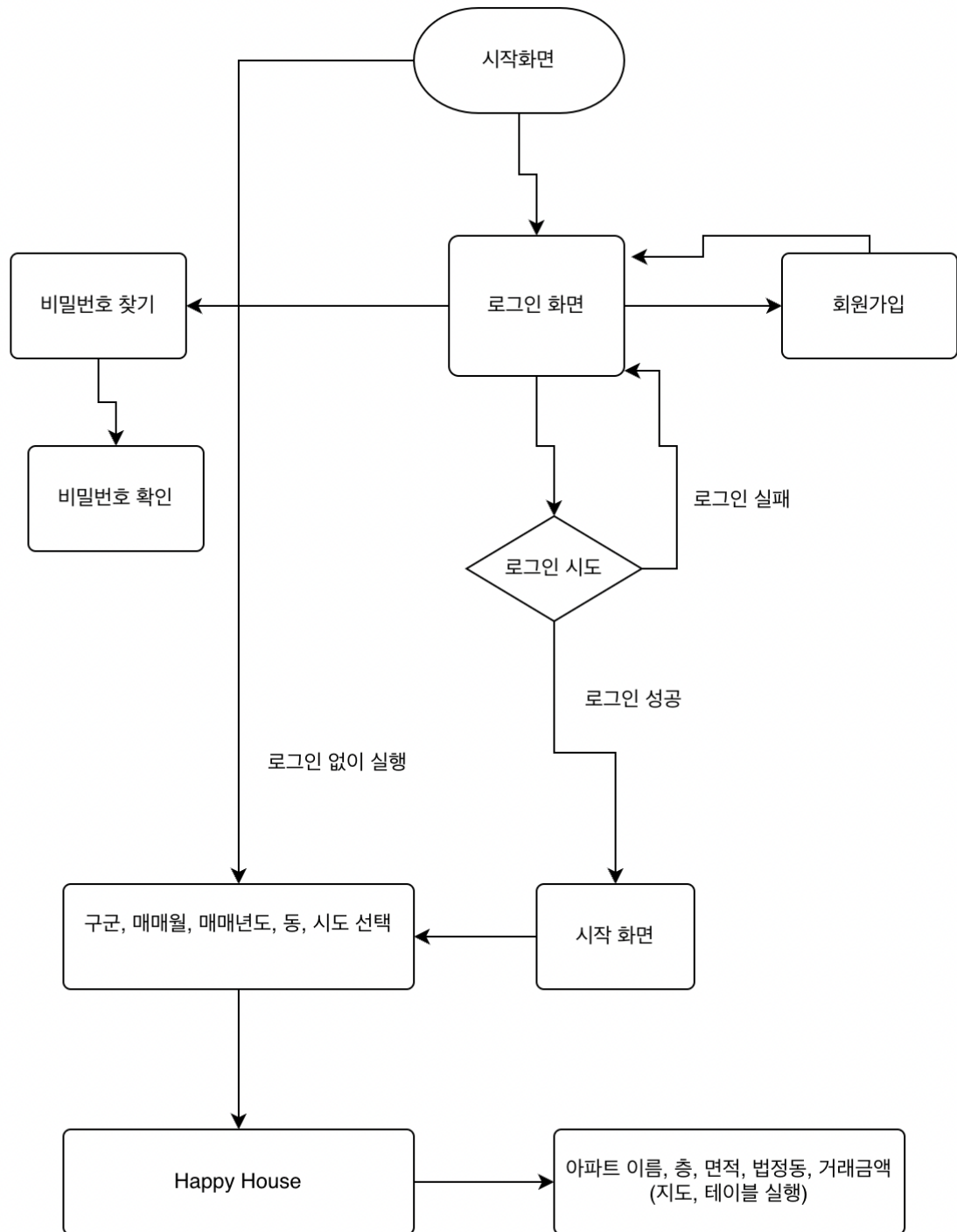
플로우차트 : [GitMind FlowChart](#)



A. 마인드맵



B. 플로우차트



✓ 현재 구현되어 있는 것

- 메인 화면 선택 버튼으로 지도와 테이블 출력하기
- 로그인, 회원가입 페이지 구현



2. Work bench

Workbench EER을 통해 table 설계 (ERD 다이어그램)

ssafyProjectMySQL ModelEER Diagramtestclass (ssafyProject)

Navigator

CatalogLayersUser Types

ssafyProject

- Tables
- Views
- Routine Groups

1:11:n1:11:n

Happy House - TablessafyProject - Schema

user

- id INT
- email VARCHAR(45)
- username VARCHAR(45)
- password VARCHAR(45)

Indexes

Schema Editor

Specify the name of the schema here. You can use the underscore character for names that don't require the Unicode Basic Multilingual Plane (BMP), but you cannot use the hyphen character.

Schema Name: [Rename Reference](#)

The character set and its collation selected here will be used for all database objects (it uses the DEFAULT value if the server defaults).

Character Set:

Collation:

Comments:

- Schema Name : ssafyProject

- Character Set : utf8
- Collation : utf8_bin

✓ user Table

ssafyProject - Schema										
user - Table										
Name: user										
Column	Datatype	PK	NN	UQ	B...	UN	ZF	AI	G	Default / Expression
id	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
email	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
username	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
password	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<click to edit>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column details 'id'

Column Name: id

- id(Primary Key, email, username, password)
- 회원정보 테이블

✓ Happy House

Happy House란 무엇인가?

Happy House는 지도, 테이블 필터링 검색

ssafyProject - Schema										
Happy House - Table										
Name: Happy House										
Column	Datatype	PK	NN	UQ	B...	UN	ZF	AI	G	Default / Expression
apartmentna...	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
layer	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
area	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
dong	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
price	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
user_id	INT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<click to edit>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- 아파트 이름, 층, 면적, 법정동, 거래금액

참고

Happy House는 kakao api를 통해 실행되기 때문에, db 테이블 없어도 될듯하다.

✓ 생성된 sql문

```
-- MySQL Workbench Forward Engineering

SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE
,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';

-- -----
-- Schema ssafyProject
-- -----

-- -----
-- Schema ssafyProject
-- -----

CREATE SCHEMA IF NOT EXISTS `ssafyProject` DEFAULT CHARACTER SET utf8 COLLATE
```

```

utf8_bin ;
USE `ssafyProject` ;

-- -----
-- Table `ssafyProject`.`user`
-- -----
CREATE TABLE IF NOT EXISTS `ssafyProject`.`user` (
  `id` INT NOT NULL,
  `email` VARCHAR(45) NOT NULL,
  `username` VARCHAR(45) NOT NULL,
  `password` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`id`),
  UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE)
ENGINE = InnoDB;

-- -----
-- Table `ssafyProject`.`Happy House`
-- -----
CREATE TABLE IF NOT EXISTS `ssafyProject`.`Happy House` (
  `apartmentname` VARCHAR(45) NOT NULL,
  `layer` VARCHAR(45) NOT NULL,
  `area` VARCHAR(45) NOT NULL,
  `dong` VARCHAR(45) NOT NULL,
  `price` VARCHAR(45) NOT NULL,
  `user_id` INT NOT NULL,
  INDEX `fk_Happy House_user_idx` (`user_id` ASC) VISIBLE,
  CONSTRAINT `fk_Happy House_user`
    FOREIGN KEY (`user_id`)
      REFERENCES `ssafyProject`.`user` (`id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

USE `ssafyProject` ;

-- -----
-- Placeholder table for view `ssafyProject`.`view1`
-- -----
CREATE TABLE IF NOT EXISTS `ssafyProject`.`view1` (`id` INT);

-- -----
-- View `ssafyProject`.`view1`
-- -----
DROP TABLE IF EXISTS `ssafyProject`.`view1`;
USE `ssafyProject`;

```

```
SET SQL_MODE=@OLD_SQL_MODE;  
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;  
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```



3. Spring Boot

IntelliJ 사용

Project☐ Maven Project ☒ Gradle Project**Language**☒ Java ☐ Kotlin ☐ Groovy**Spring Boot**☐ 3.0.0 (SNAPSHOT) ☐ 3.0.0 (M4) ☐ 2.7.4 (SNAPSHOT) ☒ 2.7.3
☐ 2.6.12 (SNAPSHOT) ☐ 2.6.11**Project Metadata**Group Artifact Name Description Package name Packaging ☒ Jar ☐ WarJava ☐ 18 ☐ 17 ☒ 11 ☐ 8

- 그룹 : com.ssafy.penetration
- 프로젝트 디렉터리 이름 : penetration
- Java 버전 : 11
- Spring boot 버전 : 2.7.3

- Spring Web, Lombok, H2 Database, MySQL Driver

✓ IntelliJ에서 mysql 확인하기

The screenshot shows the IntelliJ IDEA SQL editor interface. The top toolbar includes buttons for Connection, Schema, Main, and a status bar indicating 'Auto-Commit OFF - not connected'. The SQL editor contains the following code:

```
use ssafyProject;

select * from ssafyProject.user;

select * from ssafyProject.Happy_House;
```

The third query is highlighted with a green checkmark on the left. Below the editor, the 'Output' pane shows the results of the query 'ssafyproject.ssafyProject.Happy_House'. The results are displayed in a table with the following columns: apartmentname, layer, area, dong, and price. The table is currently empty, showing '0 rows'.

apartmentname	layer	area	dong	price
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✓ Directory

도메인 형 사용

