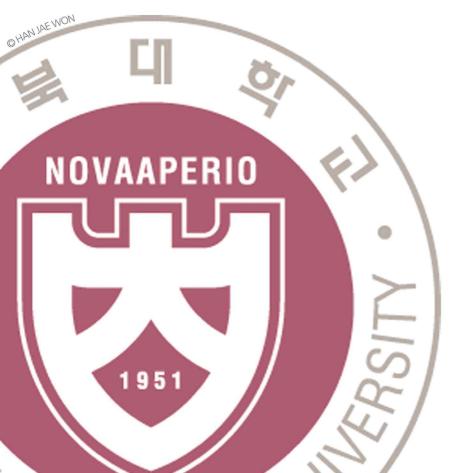
# Term Project





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학년 | 3학년

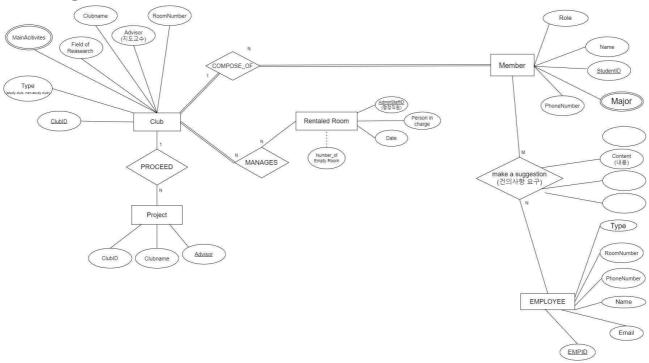
학번 | 2020039079

이름 | 김태화

제출일 | 2024-12-12

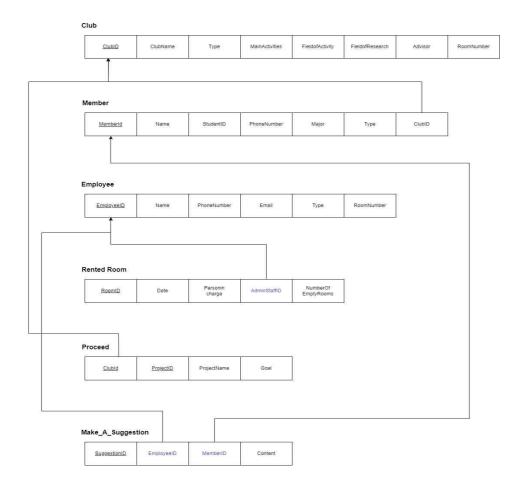
## 1.

## ER-diagram

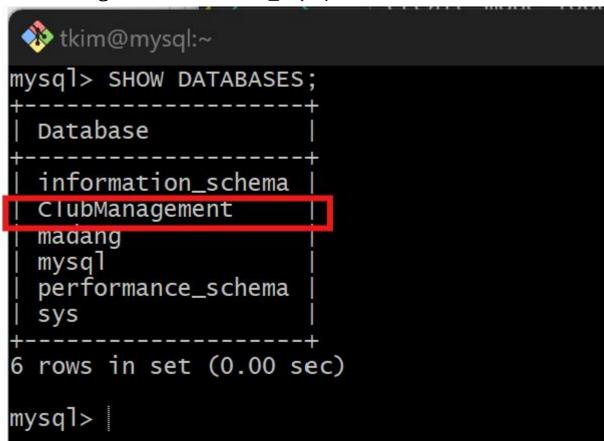


### 2. Relational Schema &1NF

- ER다이어그램을 통해 도출된 스키마의 형태에서 Patial FD가 없기때문에 따로 2NF와 3NF는 진행하지 않았음. 단순한 형태의 스키마인만큼 테이블을 나누기가 불필요하다고 생각



- 3. MySQL DBMS Database 생성
- 기존 madang db를 저장하고 사용하였던 centos환경의 mySQL 환경에 ClubManagement Database를 추가



= 아래는 생성된 테이블 목록

### 4. JDBC을 통한 DB접속

## 5. Club에 대한 CRUD구현

#### 5-1. Club 목록 확인

Main Menu Main Menu 1. View Clubs 1. View Clubs 2. Add Club 2. Add Club 3. Update Club 3. Update Club 4. Delete Club 4. Delete Club 5. View Members 5. View Members 6. Add Member 6. Add Member 7. Update Member 7. Update Member 8. Delete Member 8. Delete Member 99. Quit 99. Quit Enter your choice: 1 Enter your choice: 2 Enter Club Name: CUVIC Clubs: Enter Club Type: study ID: 3, Name: nestnet, Type: non-study Club added successfully! ID: 4, Name: CUVIC, Type: study

### 5-3. Club 수정

	***************************************
Main Menu	Main Menu
	.======================================
1. View Clubs	1. View Clubs
2. Add Club	2. Add Club
3. Update Club	3. Update Club
4. Delete Club	4. Delete Club
5. View Members	5. View Members
6. Add Member	6. Add Member
7. Update Member	7. Update Member
8. Delete Member	8. Delete Member
99. Quit	99. Quit
Enter your choice: 3	Enter your choice: 1
Enter Club ID to update: 3	
Enter New Club Name: NestNet	Clubs:
Enter New Club Type: study	ID: 3, Name: NestNet, Type: study
Club updated successfully!	ID: 4, Name: CUVIC, Type: study

#### 5-4. Club 삭제

Main Menu Main Menu 1. View Clubs 1. View Clubs 2. Add Club 2. Add Club 3. Update Club 3. Update Club 4. Delete Club 4. Delete Club 5. View Members 5. View Members 6. Add Member 6. Add Member 7. Update Member 7. Update Member 8. Delete Member 8. Delete Member 99. Quit 99. Quit 삭제된 클럽 목록 확인 가능 Enter your choice: 4 Enter Club ID to delete: 4 Clubs: Club and its associated data deleted successfully! ID: 3, Name: NestNet, Type: study

## 6. Member에 대한 CRUD구현

6-1. Member 목록 확인

=======================================
Main Menu
=======================================
1. View Clubs
2. Add Club
3. Update Club
4. Delete Club
5. View Members
6. Add Member
7. Update Member
8. Delete Member
99. Quit
=======================================
Enter your choice: 5
Members:
ID: 4, Name: Dongwoo, ClubID: 3
ID: 5, Name: Junghyun, ClubID: 3

6-2. Member 추가

Main Menu Main Menu 1. View Clubs 1. View Clubs 2. Add Club 2. Add Club 3. Update Club 3. Update Club 4. Delete Club 4. Delete Club 5. View Members 5. View Members 6. Add Member 6. Add Member 7. Update Member 7. Update Member 8. Delete Member 99. Quit 8. Delete Member 99. Quit Enter your choice: 5 Enter your choice: 6 Members: Enter Member Name: Junhwa Jo ID: 4, Name: Dongwoo, ClubID: 3 Enter Club ID: 3 ID: 5, Name: Junghyun, ClubID: 3 Member added successfully! ID: 6, Name: Junhwa Jo, ClubID: 3

#### 6-3. Member 수정

1 Main Menu Main Menu 1. View Clubs 1. View Clubs 2. Add Club 2. Add Club 3. Update Club 3. Update Club 4. Delete Club 4. Delete Club 5. View Members 5. View Members 6. Add Member 6. Add Member 7. Update Member 7. Update Member 8. Delete Member 8. Delete Member 99. Quit 99. Quit Enter your choice: 5 Enter your choice: 7 Enter Member ID to update: 4 Members: Enter New Member Name: Dongwoo Kim ID: 4, Name: Dongwoo Kim, ClubID: 3 Enter New Club ID: 3 ID: 5, Name: Junghyun, ClubID: 3 ID: 6, Name: Junhwa Jo, ClubID: 3 Member updated successfully!

#### 6-4. Member 삭제

Main Menu	Main Menu
1. View Clubs 2. Add Club 3. Update Club	1. View Clubs 2. Add Club 3. Update Club 4. Delete Club
4. Delete Club 5. View Members 6. Add Member	5. View Members 6. Add Member 7. Update Member
7. Update Member 8. Delete Member 99. Quit	8. Delete Member 99. Quit ====================================
Enter your choice: 8 Enter Member ID to delete: 5 Member deleted successfully!	Members: ID: 4, Name: Dongwoo Kim, ClubID: 3 ID: 6, Name: Junhwa Jo, ClubID: 3

멤버 테이블에서 5번 아이디를 가진 Junghyun 삭제

# 7. Term project Github address

https://github.com/Taehw/DBMS\_Term\_Project\_2024