MYSQL GIMNASIO

BBDD1

29 DE NOVIEMBRE DE 2024

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DESARROLLO

```
CREATE DATABASE GIMNASIOS;
USE GIMNASIOS;

CREATE TABLE MIEMBROS(
ID DECIMAL(3,0),
NAME VARCHAR(40),
EMAIL VARCHAR(50),
PHONE_NUMBER DECIMAL(15,0),

CONSTRAINT PK PRIMARY KEY (ID)
);

CREATE TABLE INSTRUCTIONS(
ID DECIMAL(4,0),
NAME VARCHAR(20),

CONSTRAINT PK PRIMARY KEY (ID)
);

CREATE TABLE TYPES(
ID DECIMAL(3,0),
TYPE_NAME VARCHAR(20),

CONSTRAINT PK PRIMARY KEY (ID)
);
```

```
CREATE TABLE CLASSES(
ID DECIMAL(4,0),
CLASS_NAME VARCHAR(30),
TYPE_ID DECIMAL(3,0),
DURATION INT,

CONSTRAINT PK PRIMARY KEY (ID),
CONSTRAINT FK FOREIGN KEY (TYPE_ID) REFERENCES FK (TYPES)
);

CREATE TABLE CLASS_SCHEDULE(
ID DECIMAL(3,0),
CLASS_ID DECIMAL(3,0),
INSTRUCTOR_ID DECIMAL(3,0),
START_TIME INT,
END_TIME INT,

CONSTRAINT PK PRIMARY KEY (ID),
CONSTRAINT FK FOREIGN KEY (CLASS_ID) REFERENCES CLASSES (ID),
CONSTRAINT FK FOREIGN KEY (INSTRUCTOR_ID) REFERENCES
INSTRUCTIONS (ID)
);

CREATE TABLE MEMBER_SIGNUPS(
ID DECIMAL(4,0),
MEMBER_ID DECIMAL(4,0),
```

CLASS_SCHEDULE DECIMAL(4,0),

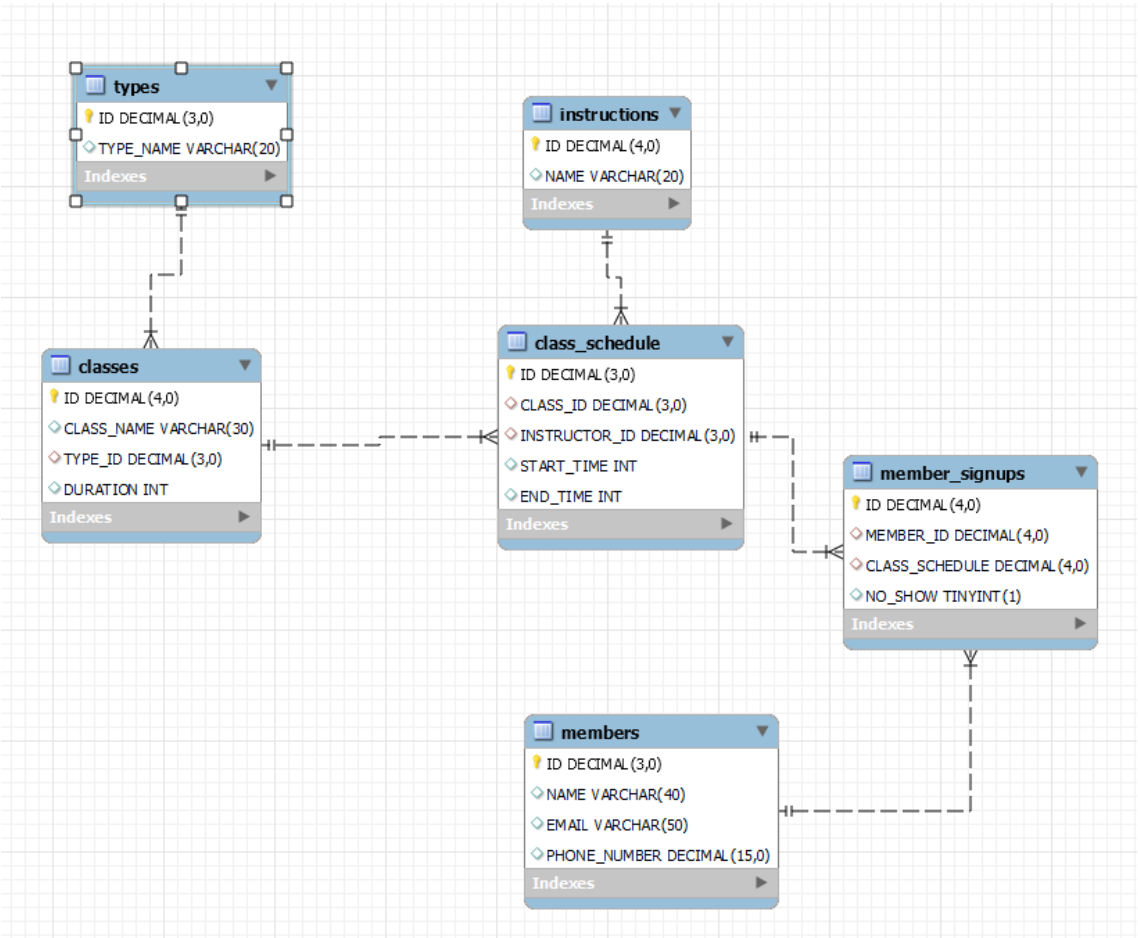
NO_SHOW BOOL,

CONSTRAINT PK PRIMARY KEY (ID),

CONSTRAINT FK FOREIGN KEY (MEMBER_ID) REFERENCES MEMBERS (ID),

CONSTRAINT FK FOREIGN KEY (CLASS_SCHEDULE) REFERENCES CLASS_SCHEDULE (ID)

);



```
DROP DATABASE GIMNASIOS;
CREATE DATABASE GIMNASIOS;
USE GIMNASIOS;

CREATE TABLE MEMBERS(
ID DECIMAL(3,0),
NAME VARCHAR(40),
EMAIL VARCHAR(50),
PHONE_NUMBER DECIMAL(15,0),

CONSTRAINT PK PRIMARY KEY (ID)
);

CREATE TABLE INSTRUCTIONS(
ID DECIMAL(4,0),
NAME VARCHAR(20),

CONSTRAINT PK PRIMARY KEY (ID)
);

CREATE TABLE TYPES(
ID DECIMAL(3,0),
TYPE_NAME VARCHAR(20),

CONSTRAINT PK PRIMARY KEY (ID)
);
```

```
CREATE TABLE CLASSES(
ID DECIMAL(4,0),
CLASS_NAME VARCHAR(30),
TYPE_ID DECIMAL(3,0),
DURATION INT,

CONSTRAINT PK PRIMARY KEY (ID),
CONSTRAINT FK1 FOREIGN KEY (TYPE_ID) REFERENCES TYPES (ID)
);

CREATE TABLE CLASS_SCHEDULE(
ID DECIMAL(3,0),
CLASS_ID DECIMAL(3,0),
INSTRUCTOR_ID DECIMAL(3,0),
START_TIME INT,
END_TIME INT,

CONSTRAINT PK PRIMARY KEY (ID),
CONSTRAINT FK2 FOREIGN KEY (CLASS_ID) REFERENCES CLASSES (ID),
CONSTRAINT FK3 FOREIGN KEY (INSTRUCTOR_ID) REFERENCES
INSTRUCTIONS (ID)
);

CREATE TABLE MEMBER_SIGNUPS(
ID DECIMAL(4,0),
MEMBER_ID DECIMAL(4,0),
```

CLASS_SCHEDULE DECIMAL(4,0),

NO_SHOW BOOL,

CONSTRAINT PK PRIMARY KEY (ID),

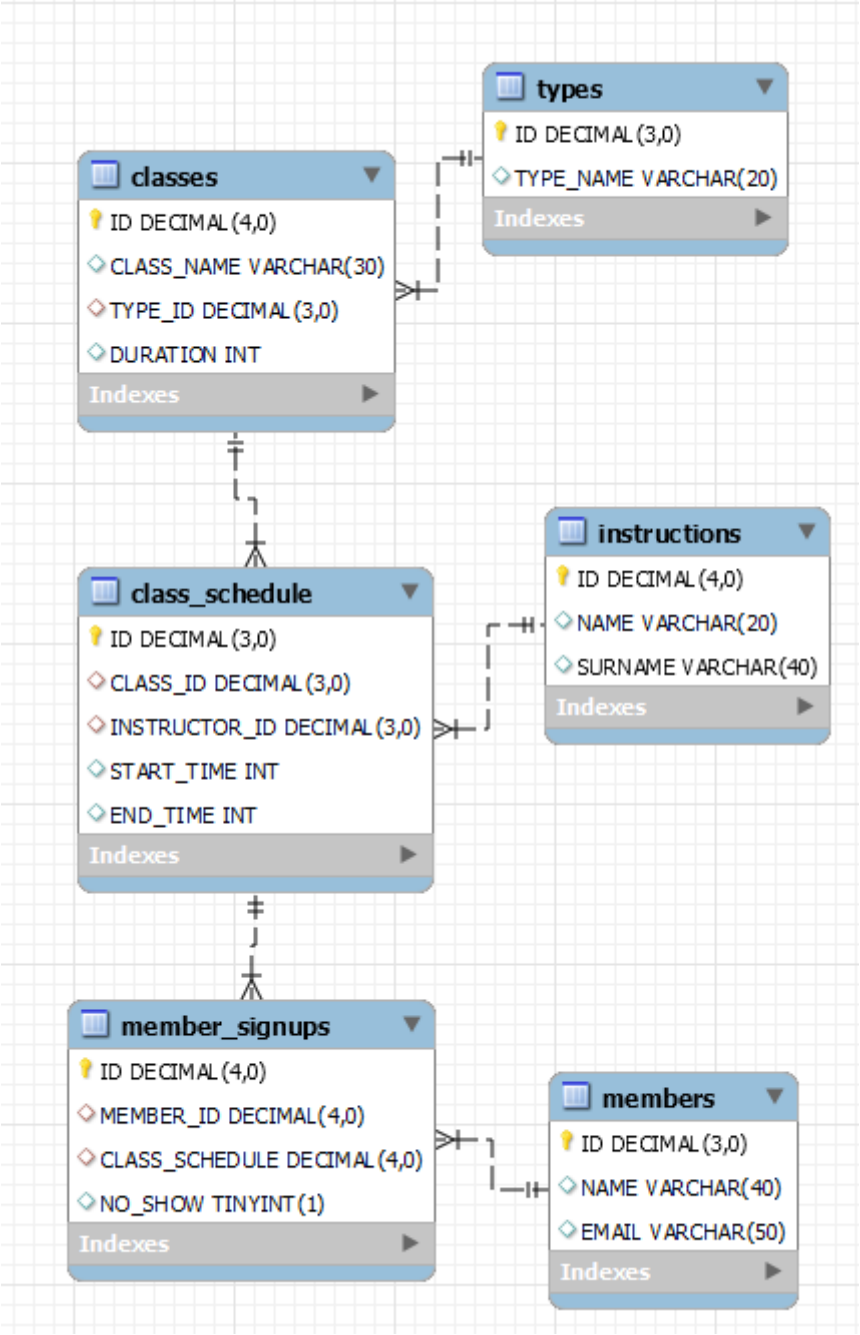
CONSTRAINT FK4 FOREIGN KEY (MEMBER_ID) REFERENCES MEMBERS (ID),

CONSTRAINT FK5 FOREIGN KEY (CLASS_SCHEDULE) REFERENCES CLASS_SCHEDULE (ID)

);

ALTER TABLE INSTRUCTIONS ADD SURNAME VARCHAR(40);

ALTER TABLE MEMBERS DROP COLUMN PHONE_NUMBER;


types
ID DECIMAL(3,0)
TYPE_NAME VARCHAR(20)
Indexes
classes
ID DECIMAL(4,0)
CLASS_NAME VARCHAR(30)
TYPE_ID DECIMAL(3,0)
DURATION INT
Indexes
instructions
ID DECIMAL(4,0)
NAME VARCHAR(20)
SURNAME VARCHAR(40)
Indexes
class_schedule
ID DECIMAL(3,0)
CLASS_ID DECIMAL(3,0)
INSTRUCTOR_ID DECIMAL(3,0)
START_TIME INT
END_TIME INT
Indexes
member_signups
ID DECIMAL(4,0)
MEMBER_ID DECIMAL(4,0)
CLASS_SCHEDULE DECIMAL(4,0)
NO_SHOW TINYINT(1)
Indexes
members
ID DECIMAL(3,0)
NAME VARCHAR(40)
EMAIL VARCHAR(50)
Indexes