

**ESKİŞEHİR TECHNICAL UNIVERSITY**

**FACULTY OF ENGINEERING**

**COMPUTER ENGINEERING**

**2021-2022 SPRING SEMESTER**

**BIM312**

**DATABASE MANAGEMENT SYSTEMS**

**TERM PROJECT**

PHASE-2

**G9-PNo9:** University Club Membership Database System

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Contents

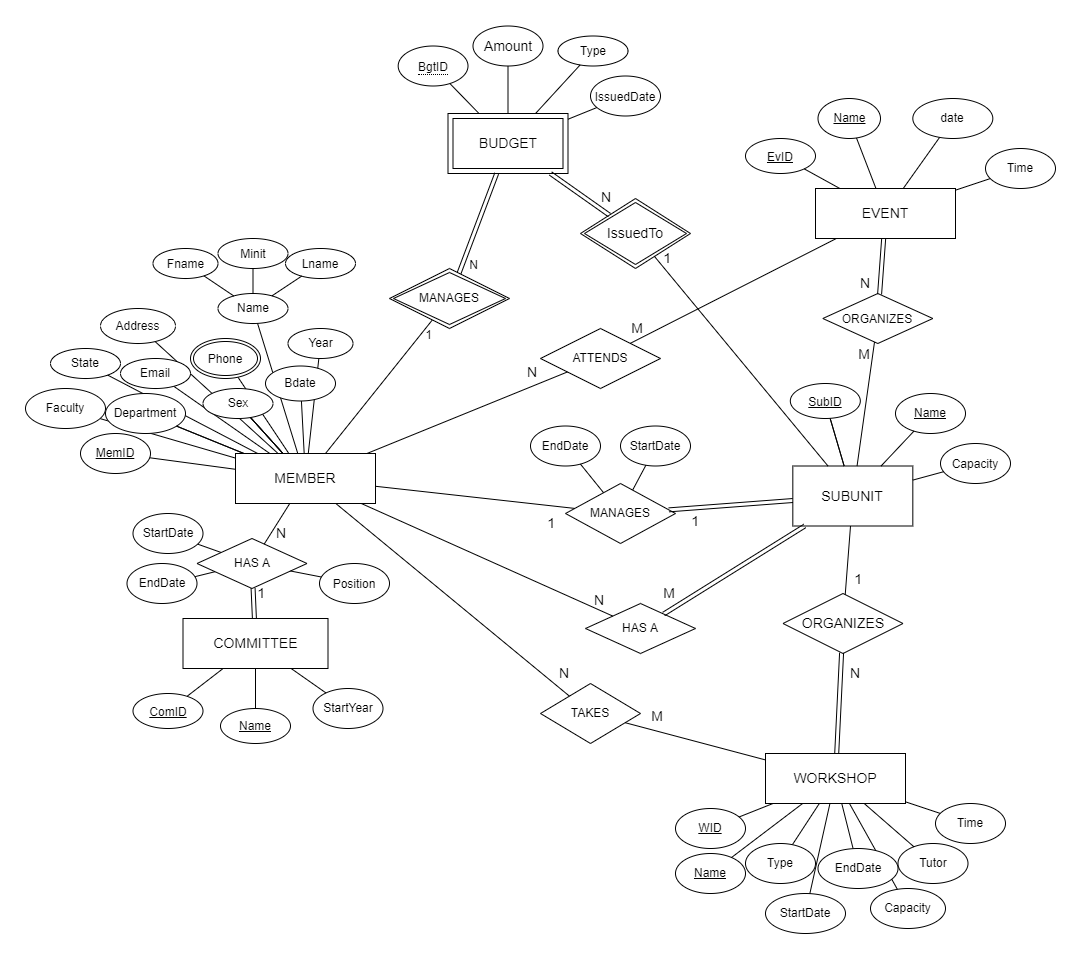
[**E/R Diagram** 3](#_Toc101978616)

[The Relational Schema 4](#_Toc101978617)

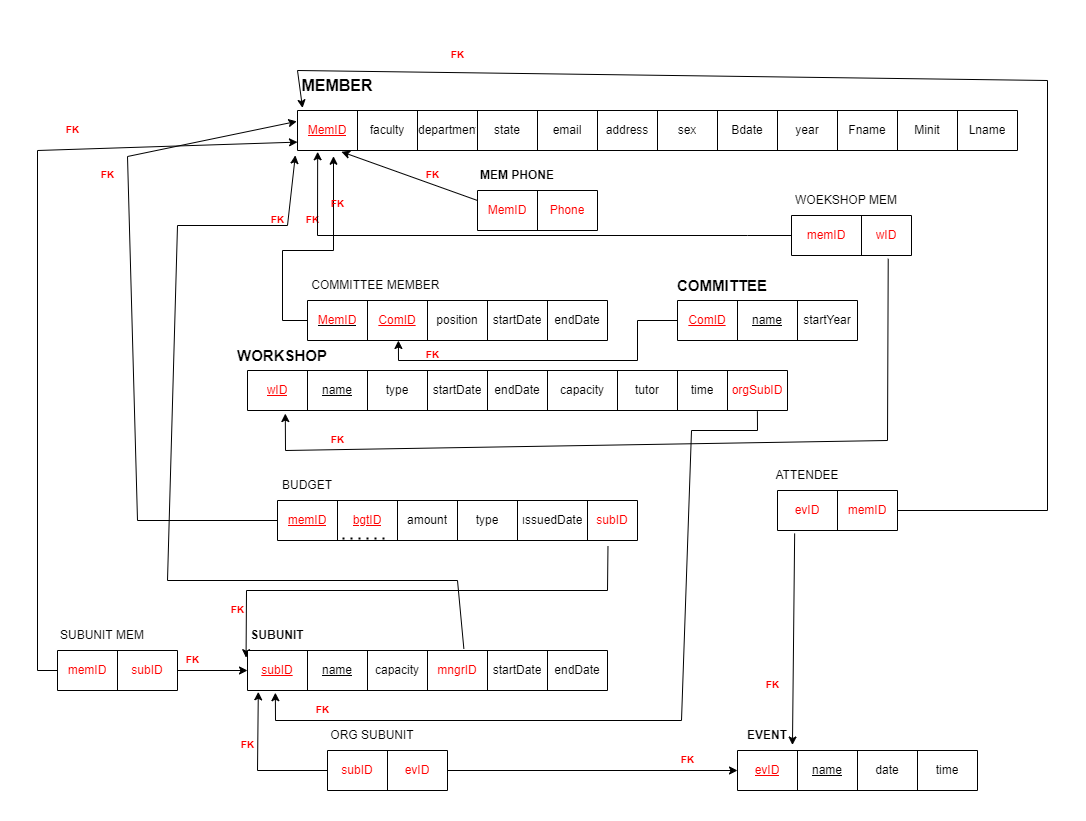
[Database Schema (SQL codes) 5](#_Toc101978618)

## [**E/R Diagram**](https://github.com/RadwanH/University-Club-Membership/blob/main/Diagrams/ER-Diagram.drawio.png?raw=true)

(you click the title to see the diagram on the web of better view / it is attached as a .png file as well)



# The Relational Schema

[[HERE]](https://github.com/RadwanH/University-Club-Membership/blob/main/Diagrams/Untitled%20Diagram.drawio.png?raw=true)

# Database Schema (SQL codes)

**CREATE TABLE CLUB\_MEMBER**

(`member\_id` CHAR(9) NOT NULL,

`first\_name` VARCHAR(15) NOT NULL,

`minit` varchar(1),

`last\_name` VARCHAR(15) NOT NULL,

`sex` CHAR(1),

`birth\_date` DATE,

`faculty` VARCHAR(50),

`department` VARCHAR(50) NOT NULL,

`year` INT(1) NOT NULL,

`email` VARCHAR(30) NOT NULL,

`address` VARCHAR(50),

`membership\_state` VARCHAR(7) NOT NULL,

ADD PRIMARY KEY (`member\_id`));

);

**CREATE TABLE `COMMİTTEE`**

(`com\_id` İNT(5) NOT NULL,

`com\_name` VARCHAR(30) NOT NULL,

`start\_year` YEAR NOT NULL

);

**CREATE TABLE `COMMİTTEE\_MEM**`

(`com\_member\_id` CHAR(9) NOT NULL,

`com\_id` İNT(5) NOT NULL,

`position` VARCHAR(30) NOT NULL,

`start\_date` DATE,

`end\_date` DATE

);

**CREATE TABLE `BUDGET`**

(`mngr\_id` CHAR(9) NOT NULL,

`bgt\_id` İNT(5) NOT NULL,

`bgt\_amnt` DOUBLE(7,2) NOT NULL,

`bgt\_type` VARCHAR(50),

`issuedto\_subid` İNT(5) NOT NULL,

`issued\_date` DATE );

**CREATE TABLE `SUB\_UNİT`**

(`sub\_id` İNT(5) NOT NULL,

`sub\_name` VARCHAR(50) NOT NULL,

`sub\_capacity` İNT(4) NOT NULL,

`mngr\_id` CHAR(9) NOT NULL,

`sub\_start\_date` DATE,

`sub\_end\_date` DATE );

**CREATE TABLE `WORKSHOP`**

(`w\_id ` İNT(5) NOT NULL,

`w\_name` VARCHAR(50) NOT NULL,

`w\_type` VARCHAR(30),

`w\_start\_date` DATE,

`w\_end\_date` DATE,

`w\_capacity` İNT(4) NOT NULL,

`tutor` VARCHAR(30) NOT NULL,

`time` TİME,

`org\_sub\_id` İNT(5) NOT NULL

);

**CREATE TABLE `MEM\_PHONES`**

(`member\_id` CHAR(9) NOT NULL,

`phone` VARCHAR(20)

);

**CREATE TABLE `EVENT**`

(`ev\_id` İNT(5) NOT NULL,

`ev\_name` VARCHAR(50) NOT NULL,

`ev\_date` DATE,

`time` TİME NOT NULL);

**CREATE TABLE `ATTENDEE`**

(`ev\_att\_id` CHAR(9) NOT NULL,

`ev\_id` İNT(5) NOT NULL

);

**CREATE TABLE `WORKSHOP\_MEM`**

(`w\_member\_id` CHAR(9) NOT NULL,

`w\_id` İNT(5) NOT NULL,

);

**CREATE TABLE `SUB\_MEM`**

(`sub\_mem\_id` CHAR(9) NOT NULL,

`sub\_id` İNT(5) NOT NULL

);

CREATE TABLE `ONG\_SUB`

(`org\_ev\_id` İNT(5) NOT NULL,

`ev\_id` İNT(5) NOT NULL

);

# SQL EER Diagram