

Conceptual Design Model

UNIVERSITY XYZ

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Contents

Campus, Club, Sport.....	2
School, Faculty, Program	3
Student, Program, Course.....	4
Committee, Lecturer.....	5
Full Diagram	6

Revision History

Date	Version	Description	Author
9/29/2020	1.0	First Draft	Whole Group
10/2/2020	1.1	Add figures to the document	Henry Depew
10/4/2020	1.2	Added description for figure 1.1	Franklin Overton
10/5/2020	1.3	Added description for figure 1.2	Bret Riedel
10/5/2020	1.4	Added description for figure 1.3	Sami Jenedi
10/5/2020	1.5	Added description for figure 1.4	Austin Switzer
10/5/2020	1.6	Final tuning of diagrams and uniformity	Whole Group

Campus, Club, Sport

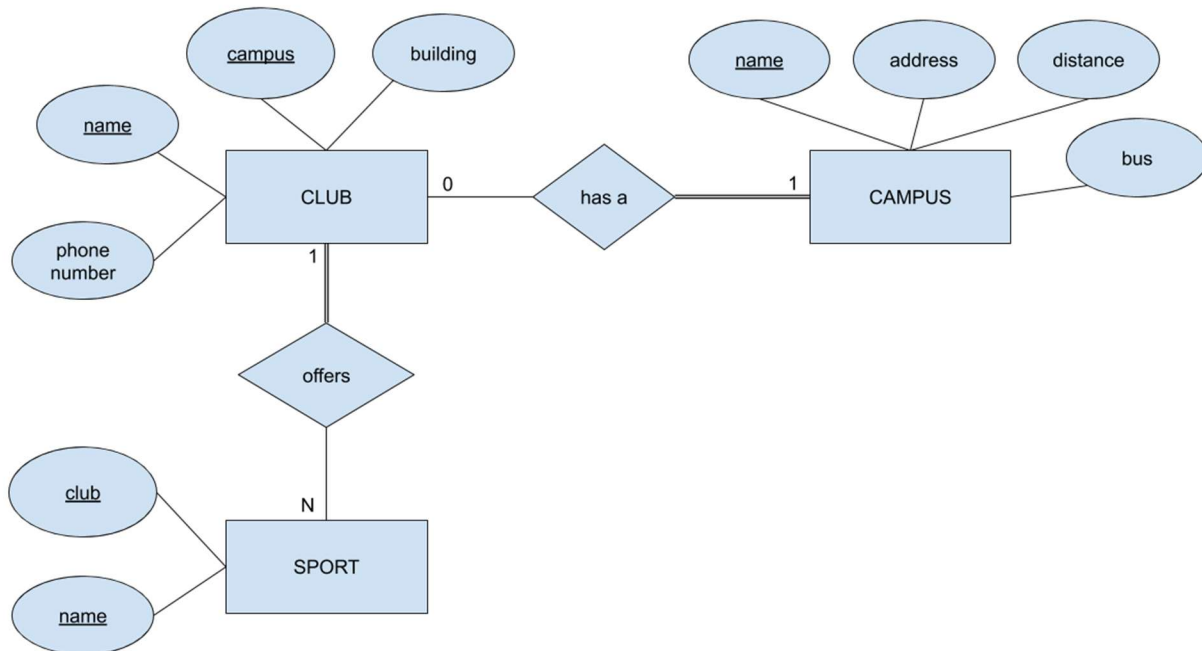


Figure 1.1

The campus has attributes that are the name of the campuses. The name is the primary key to campus. The campus has an address, a distance from the main campus, and it has a bus that goes from one campus to the other. Each campus has a club. There are many clubs. Each club has a building, it is attached to a campus, the club has a name, and each club has a phone number. Its primary keys are a combination of campus and name. Each club offers a sport. There are many sports. Each sport belongs to a club and has a name. Both club and name are a combination of primary keys.

School, Faculty, Program

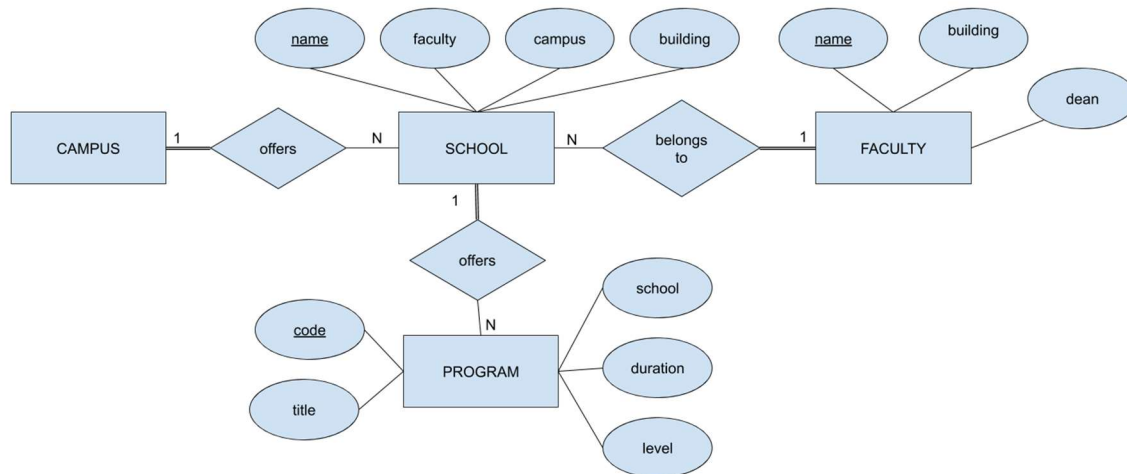


Figure 1.2

Each school can have many programs, but each program can belong to only one school. Each program will have the following attributes: title, school, duration, level, and a unique code that is its primary key. Each faculty can have many schools, but each school can belong to only one faculty. Each faculty will have the following attributes: building, dean, and a unique name that is its primary key. Each school will have the following attributes: faculty, campus, building, and a unique name that is its primary key.

Student, Program, Course

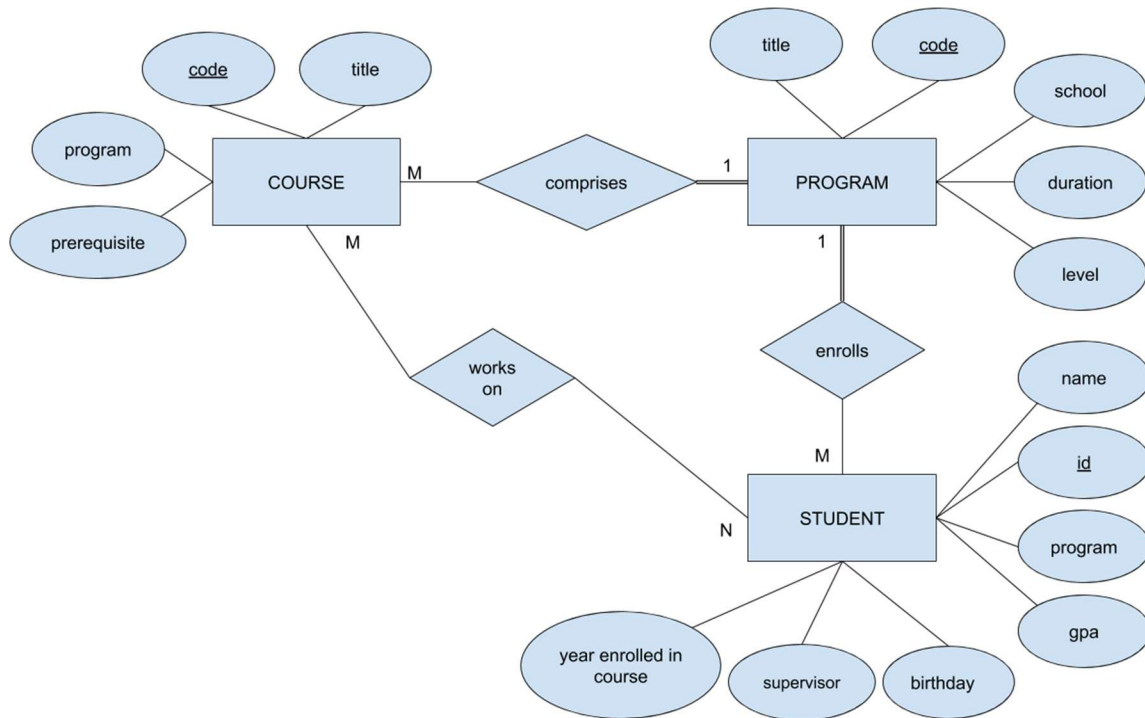


Figure 1.3

Each student will have the following attributes: name, gpa, birthday, supervisor, year enrolled in course, and a unique code that is its primary key. Each student must be enrolled in only one program, but a program can have many students. Each course will have the following attributes: program, prerequisite, title, and a unique code that is its primary key. Each program will have the following attributes: title, school, duration, level, and a unique code as its primary key.

Committee, Lecturer

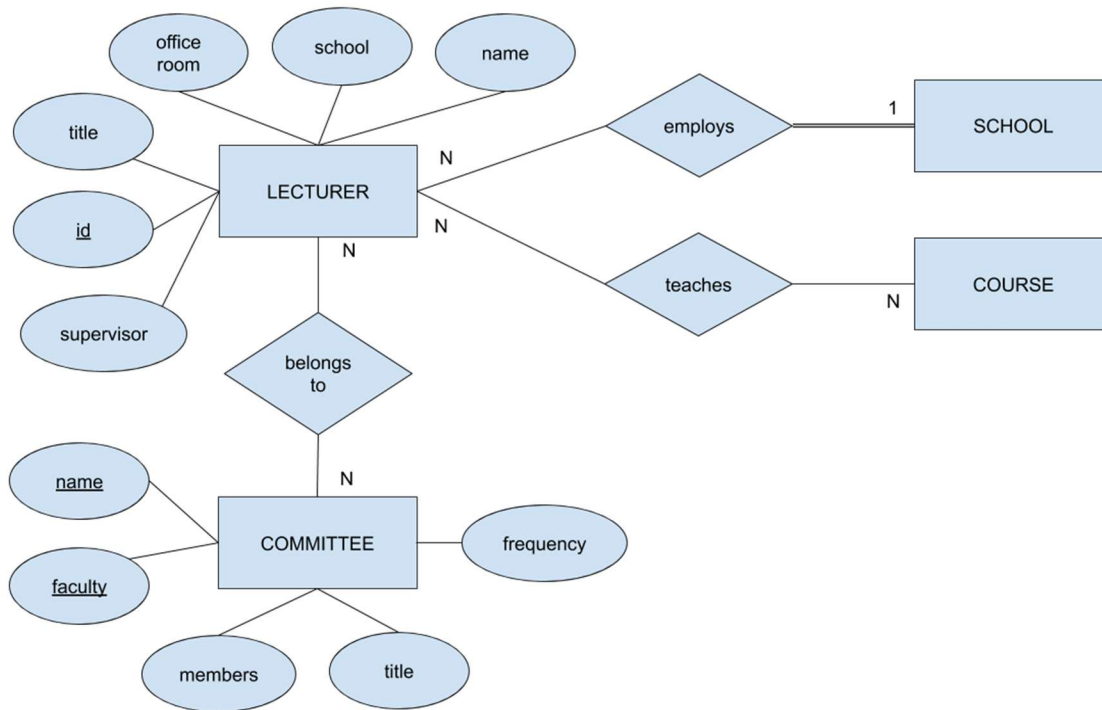


Figure 1.4

Each lecturer has a unique id which acts as its primary key, as well as a name, school, office room, title, and supervisor. A lecturer can only be employed by one school, but a school can employ any number of lecturers. Lecturers belong to any number of committees. Committees have a unique name and faculty, which act in competition as a primary key, in addition to members, a title, and frequency. A committee can be made up of any number of lecturers.

Full Diagram

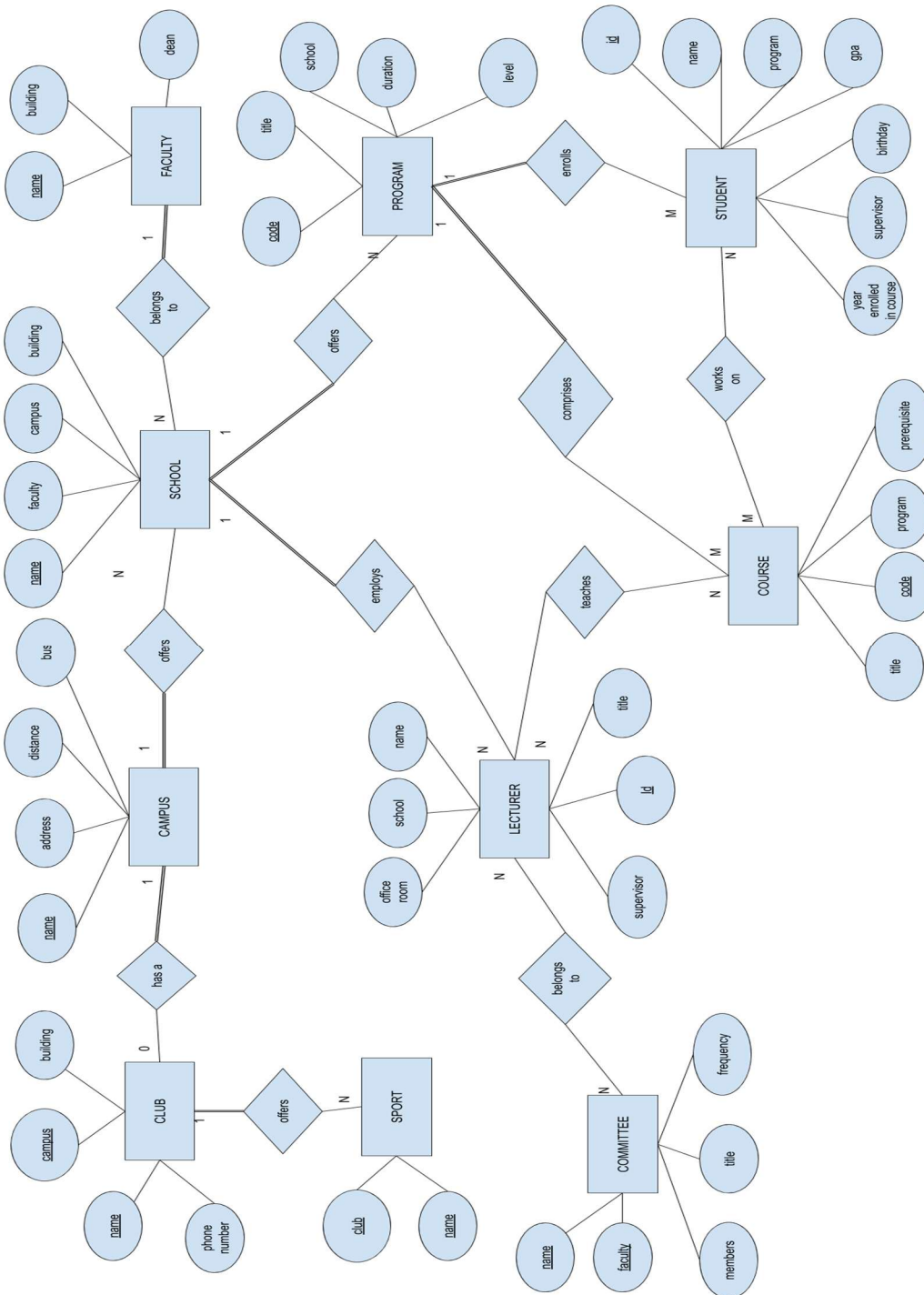


Figure 1.5

This is a composite of figures 1.1 through 1.4.