Conceptual Design Model

University xyz

Franklin Overton, Henry Depew, Bret Riedel, Sami Jenedi, Austin Switzer

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**Revision History**

|  |  |  |  |
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| **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

Diagram

Description automatically generated

*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

Diagram

Description automatically generated

*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

Diagram

Description automatically generated

*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

Diagram

Description automatically generated

*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

A picture containing shape

Description automatically generated

*Figure 1.5*

This is a composite of figures 1.1 through 1.4.