**Afterschool Programs Project**

**BMGT402**

**Akmal Mustofa**

**Kemal Mussa**

**Lixuan Lin**

**Mackenzie Bookchin**

**Olivia Phillips**

**Shivani Madhusudan**

**Database Analysis**

**Afterschool Programs Project**

Mission Statement: The purpose of the Afterschool Program Database is to track student enrollment in various afterschool programs to ensure best utilization of school and faculty resources.

Mission Objective:

* To maintain, create, read, update, and delete data on students.
* To ensure that programs are properly staffed.
* To perform searches on which students are enrolled in which programs.
* To track which department’s programs are most in demand by students.
* To track which building and room each program is being held in.
* To maintain a point of contact for each student to their parent/guardian.
* To identify programs that do not have enough students enrolled.
* To manage the development of departments and their respective programs

Business Rules:

R1: A student can only be enrolled in one afterschool program per semester. All programs must have at least one student in order to run.

R2: If a student leaves or is expelled from school, the contact information associated with that student should be deleted.

R3: Each program only requires one faculty advisor to oversee it, and a faculty advisor can only oversee one program.

R4: If a program’s faculty advisor is fired, a substitute faculty member will oversee the program until a new faculty advisor is assigned.

R5: If the faculty’s information is updated, the program that the faculty advisor associated with will be updated as well.

R6: Each afterschool program has to have a unique name, but each student and faculty member do not.

R7: If a program is cancelled, students will have no program enrollment until they select a new one and the room will be unused unless reassigned.

R8: A If a program is updated, the information for its room and student(s) will also be updated.

R9: Students, guardians, faculty members, programs, and departments all must have their own unique ID or number.

R10: Each student has to have at least one parent/guardian listed in the system. A parent/guardian can be in the system for more than one child if they have multiple children attending the school.

R11: A guardian may not be removed from the system if there is a student in the system associated with that guardian.

R12: Each department can run one or many programs, but a program can belong to only one department.

R13: Each department can have one or many faculty members, but a faculty must belong to only one department.

R14: A department may not be removed from the school if it employs any faculty members.

R15: A department can not be removed if it currently runs any programs.

R16: A department’s information can not be updated if it currently runs any programs

R17: If a department’s information is updated, all faculty information must be updated as well.

R18: A building number, and a room number in a building, may not be repeated twice.

R19: If a building is no longer in use by the school, all rooms in the building should be removed from the system.

R20: If a building number is changed, all rooms associated with the building should also be updated.

R21: Each program needs at least one room to operate, and each room can only host one afterschool program.

R22: A building has many rooms, but a room only belongs to one building.

R23: All school activities must start at 4PM and end before or by 6PM.

We pledge on our honor that we have not given or received any unauthorized assistance on this assignment.

Akmal Mustofa

Kemal Mussa

Lixuan Lin

Mackenzie Bookchin

Olivia Phillips

Shivani Madhusudan