**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.