1. **Business Abstract:**

In Porquis Junction, Ontario, Prime Minister High School (DPMHS) is a brand-new school that is presently being built. The design and implementation of the school's information systems have been left to Jesse Strictman, who will be the first principal. Through the system, administrators will be able to upload and manage a variety of documents, such as staff and student data. The information technologies will enable the school's personnel and students, who may come from different areas, to view and manage records from a distance. In addition to handling administrative duties and processing payments and other financial transactions directly through the system, teachers and administrators can browse the system to locate pertinent data, update student progress, and do other chores. Additionally, the system will periodically promote educational programs or resources to support student engagement. This model does not account for how the school’s budget or expenditures are managed.

1. **Entities and Attributes**
2. STUDENTS (this entity is used to keep track of all students)

Name, Address, Birthdate, Gender, Legal guardian(s) Date enrolled, Date unenrolled

1. LEGAL GUARDIANS

Name, Address, Birthdate, Gender, Children responsible for, Home Phone

C) ENROLLMENTS

Academic year, Homeroom teacher, Homeroom location, Courses enrolled in, Location of each course, Grades for each course, GPA for each grading period, GPA for each Overall GPA

d) Disciplinary actions

Name of student, Date of incident, Type of incident, Disciplinary action taken

e) TESTING RESULT

Name of student, Date of test, Name of test d, Result of test

f) EXTRACURRICULAR ACTIVITIES

Name of student, Academic year, Name of clubs, Offices

g) HIGH SCHOOL PLANS

Colleges applied to, Date of applications, Result of applications, College chosen

1. **Business Rules**
2. One student can have many parents, and one parent can have many children. (N: M)
3. One student can have many enrollments in courses, and one course can have many students (N: M)
4. One student can have many activities, and one activity can be played by many students (N: M)
5. One student can have many tests in one year, and one test can be completed by many students (N: M)
6. One student can have many disciplinary actions to obey, and one disciplinary action should be obey by many students (N: M)
7. One student can apply to many colleges, and only one college can give admission to one student (1:N)