**Abstract**

The plan is to work on Scenario 3.  
The idea is to work on providing the tables for Scenario 3 about the Student Data, the Legal Guardian data, and the Disciplinary Actions data. Through the tables, we are showing the relationship between the student, their legal guardians, and to follow through with the grades and annual performances.  
This design document is a completion and high-level solution to the Dead Prime Minister high school information system. It consists of a list of database entities, a list of business rules, a list of unknowns, and a list of assumptions. These lists are presented in a clear and concise format as per instruction. These design documents are purely based on the given database of the school information system.  
MySQL Workbench will be used for making diagrams and tables with related information and will follow database formats.  
The problem is in the scenario, a school is under construction and the teachers cannot go to access the information, so the solution is to make a database so the student data can easily be accessed.

**Business Rules**

Student must score more than 2.6 GPA to progress through the semester, or to graduate College or University.  
IV Disciplinary Actions are part of the student and are therefore included in the Student Data Table. If there are no Incidents, Put 2000-01-01 as the date.

Student name cannot be NULL. Legal Guardian Name cannot be NULL.  
Date enrolled cannot be NULL, but Date Unenrolled can be NULL.

**List of Entities:**

* Student - this entity is used to store data of students.
* Legal Guardian - this entity is used to store the student guardian’s data.
* Enrollments - this entity is used to monitor all the educational data, such as teachers and grades.
* Disciplinary Actions - this entity is used to store data of students who have received disciplinary actions.
* Standardized Testing Result - this entity is used to store subject test data (optional if test information is placed in Disciplinary actions).
* Extracurricular Activities - this entity is used to store students’ extracurricular activities such as sports.
* Post high School Plans - this entity is used to monitor the school’s plan.

**List of Business Rules:**

* A student can have one or more legal guardians.
* A guardian must have a child responsible for.
* A guardian can have one or more student’s taken care of.
* A student can have one or more extracurricular activities.
* Each enrollment must have an academic year.
* A student can have one or more disciplinary actions, or none if the student is good.
* A student must receive their test result.
* A student

**List of Unknowns:**

* Can a student be assigned to one teacher or many teachers?
* Can guardian receive their children’s disciplinary actions?
* Is there a limit for a student to receive disciplinary actions?
* Can guardian know their children’s extracurricular activities?
* Can the test results be able to send to student’s guardian?

**List of Assumptions:**

* A student must have their assigned teacher/s.
* A student must have a subject and room designation.
* A legal guardian must receive an email about their children’s grades.
* A legal guardian must receive an email about their children’s disciplinary actions.
* A legal guardian must receive an email about their children’s extracurricular activities.
* Disciplinary actions against each student must have a limit.