Entity-Relationship Diagram (ERD) for a Kenyan High School Student Results System

This ERD describes the entities and their relationships in a Kenyan high school student results system. The system is designed to manage exam officers, teachers, students, subjects, and their results. The following entities are identified, along with their attributes and the relationships between them.

# ExamOfficerInfo

* exoName
* exoStaffNo
* exoEmail
* exoPassword

# TeacherInfo

* teacherName
* teacherStaffNo
* teacherEmail
* teacherPassword

# Level

* form
* term

# SubjectInfo

* subjectName
* subjectCode
* subjectAverage
* subjectRemark

# StudentInfo

* studentName
* studentAdmno
* studentEmail
* studentPassword
* studentParentCell
* studentParentEmail

# Results

* studentSubjectTotal
* studentSubjectAverage
* studentSubjectGrade
* studentSubjectRemark
* studentAsgn1Mark
* studentAsgn2Mark
* studentCAT1Mark
* studentCAT2Mark
* studentExamMark
* studentOverallTermAverage
* studentOverallTermGrade
* studentOverallTermRemark
* subjectAverage
* subjectRemark

# Relationships

1. ExamOfficerInfo to TeacherInfo: One-to-Many (An exam officer manages many teachers)

2. ExamOfficerInfo to StudentInfo: One-to-Many (An exam officer manages student data)

3. TeacherInfo to SubjectInfo: Many-to-Many (A teacher teaches one or more subjects, and a subject is taught by multiple teachers)

4. TeacherInfo to Results: One-to-Many (A teacher enters results for many students in a subject)

5. StudentInfo to Results: One-to-Many (Each student has results for multiple subjects)

6. SubjectInfo to Results: One-to-Many (Each subject has many results entries across different students)