Entity Relationship Diagram

User
PK id
schoolId
username
password
firstName
lastName
email
phone
address
lastLogin
isActive
fingerprint

TimeTable
PK id
grade
section
schedule
validFrom
validTo

Teacher
PK teacherId
FK userId
department
subjects
joiningDate
qualification

Admin
PK adminId
FK userId
accessLevel

Log
PK id
action
timestamp
FK userId
details

Student
PK studentId
FK userId
grade
section
enrollmentDate
parentName
parentContact
gpa

Principal
PK schoolId
FK userId
appointmentDate

Session
PK id
subject

SectionHead

Exam
PK id
name

StudentRecord
PK studentId
FK studentId

Relationships:
- is a
- creates
- is a
- is a
- is a
- contains
- can be
- teaches
- conducts
- submits
- takes
- creates
- has

subject
FK teacherId
startTime
endTime
day

PK sectionId
FK teacherId
department

subject
date
duration
totalMarks

currentGrade
academicYear
subjects
attendance
achievements

generates

tracks

includes

generates

Assessment

PK id
assessment_title
description
dueDate
totalMarks
subject
assignedTo

ExamResult

PK id
FK examId
FK studentId
marks
grade
remarks
date

Report

PK id
type
date
FK generatedBy
content