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**DB Modelling – REPORT**

Admins

Admins credentials table, his details are added to the DB with an additional Field “**IsPedagogical**” to differentiate between admins of the EPITA system and admins who have the right to create curriculums.

Client Status

Clients’ details table, a client is a possible future student in the process of enrolment, once he is promoted to a student, his details of pre-enrolment will be in this table.

Student

All Enrolled Students table contains all the information about each student intake-year, program and a unique student-ID, personal info, in addition to a new student-ID and credentials.

Program

All Available Programs table contains all the information about each program details, a program is defined by its code, Intake, Intake year.

Curriculum

For each program and for each semester we have a set of courses and their weight, since the same courses can be present in many curriculums and may have different weights for different programs.

Courses

We must define a set of courses and the duration for each course and the teacher(s) who can give the courses.

Teacher

All Registered Teachers table contains all the information about each teacher personal info, payment info.

GroupSessions

All the defined groups sessions, contains all the

information about sessions for a group or the attending groups for one session.

StudentsGroups

All the defined groups of students, contains all the information about each group, a group is defined by several members of the same or different formation.   
per example (AIS group, AIMS group, G1, G2, FLE11….)

Sessions

Sessions table contains details about the course’s sessions and audience, one session can be attended by one or many groups of students at the same time. A session has a unique secondary key a combination of start/End Date, teacher, course, room and audience (groups of students. ( handling a big primary key is best on the bank-end side because have that key will make attendance table have all those keys repeated to refer one unique session for that an unique ID is best here).

Room

This table Is just an intermediate table to define the list of available rooms we have and their details, so we also can add more rooms in the future.

One session can be held in one room at a time

Exam

All the defined Exams for courses, contains all the information about all the exams for each course. Each course has one or more exams, and each exam can be a group / individual (**is Group**) exam.

One exam can result in multiple grades for different students.

Exam Result

All the defined Exams Results contains all the information about all the exams results for each student, an exam result is unique for one student and for one exam we have one grade.

Attendance

Attendance Table, Store attendance records for each student per session.ßß