



Primary keys are only a surrogate keys. Primary keys auto-increment.

One certificate can only be gained in one course."id_course" in a certificate table is unique because one course = one certificate.

Courses can have many modules that can have many lessons that can have many tasks.

User can receive a note and gain points at the end of the course but these fields can also stay null.

Tables: Country, City, Rate, Task_type, Note and Note_Value are look-up tables.

User can have many certificates and a certificate can be owned by many users.

A module can only be in one course, a lesson can only be in one module, a task can only be in one lesson.

Tables: Enrolment, Certificate_User, Task_Submission are many-to-many relationship tables.

Course only have one owner which is a user.
User can create many courses.

Tables: Changes_History and Submission_History are tables that store history.

User can take part in many courses. Many users can take part in one course.

Tables: User, Certificate, Task, Lesson, Module, Course are entity tables.