

Default schema (dbo) - database owner.
Database Admin - creates and manages schemas.

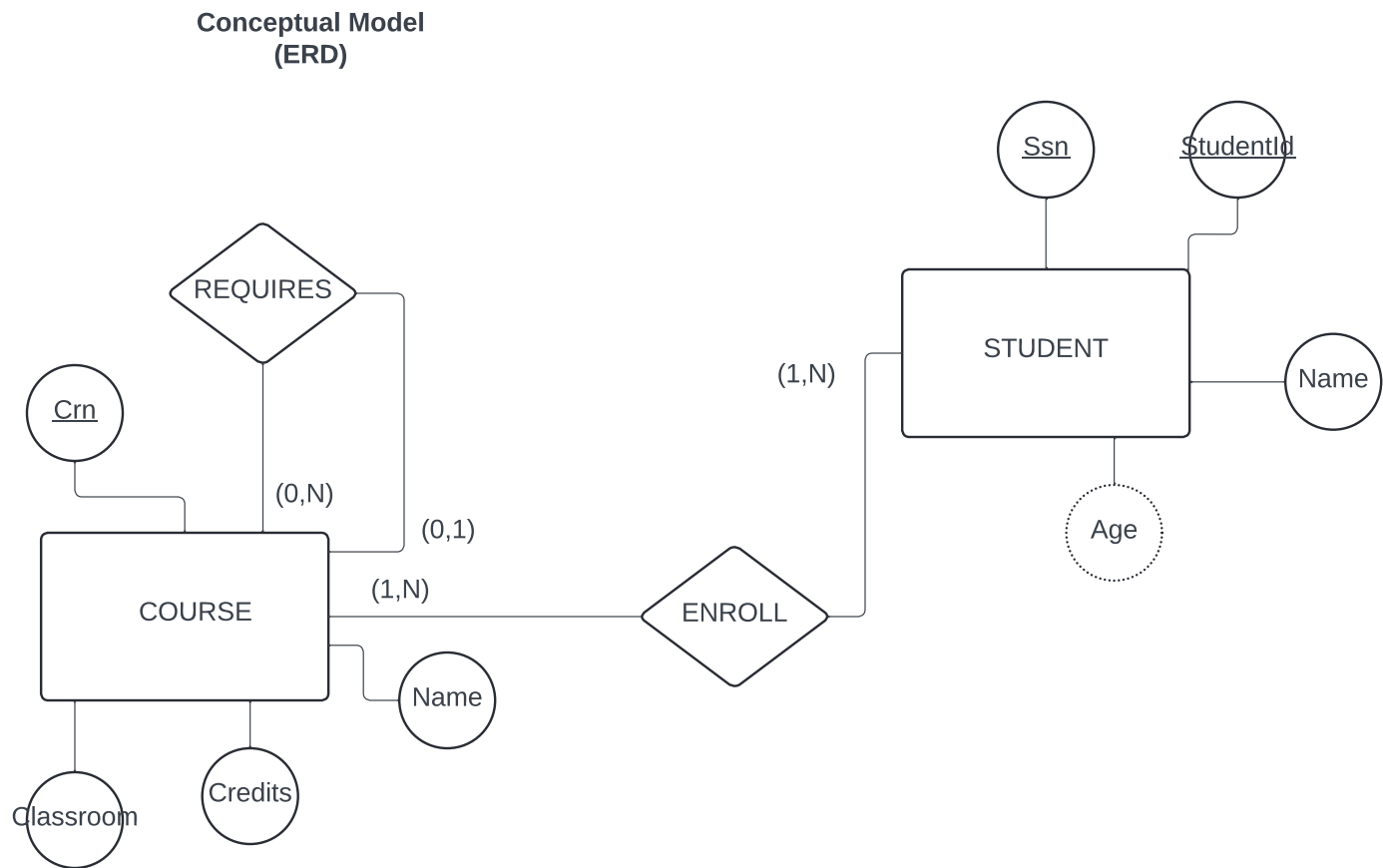
Relational Databas Schema $S = \{ R1, R2, \dots, Rm \}$ and also a set of integrity constraints IC.

Logical Data Requirements

A university offers courses. Courses are uniquely identified by a Crn (course number). Course name, credits, classroom, and the single prerequisite course necessary to be completed by a student prior to being enrolled.

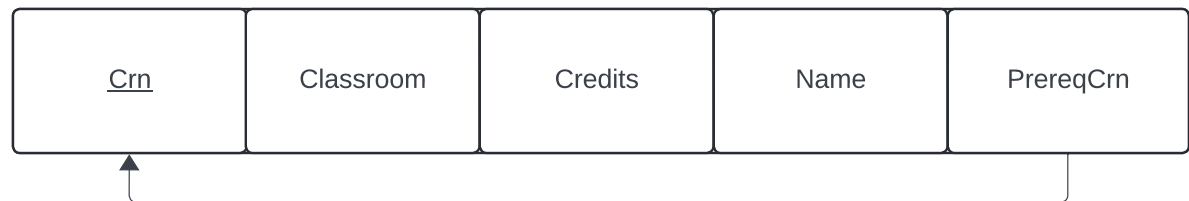
Students enroll in one or many courses. For each course they take, the grading option must be recorded, the date enrolled in the course must be recorded.

Students are uniquely identified by an Ssn and StudentId number. Student names and age must be recorded.



Relational Model (Relational Schema)

COURSE



Domains

- Crn_number = character string of five characters (numbers and letters).
- Classroom_number = integer.
- Credits = integer number, maximum of 25 credits.
- Name = Character string of variable length.