DATABASE PROJECT

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MODEL

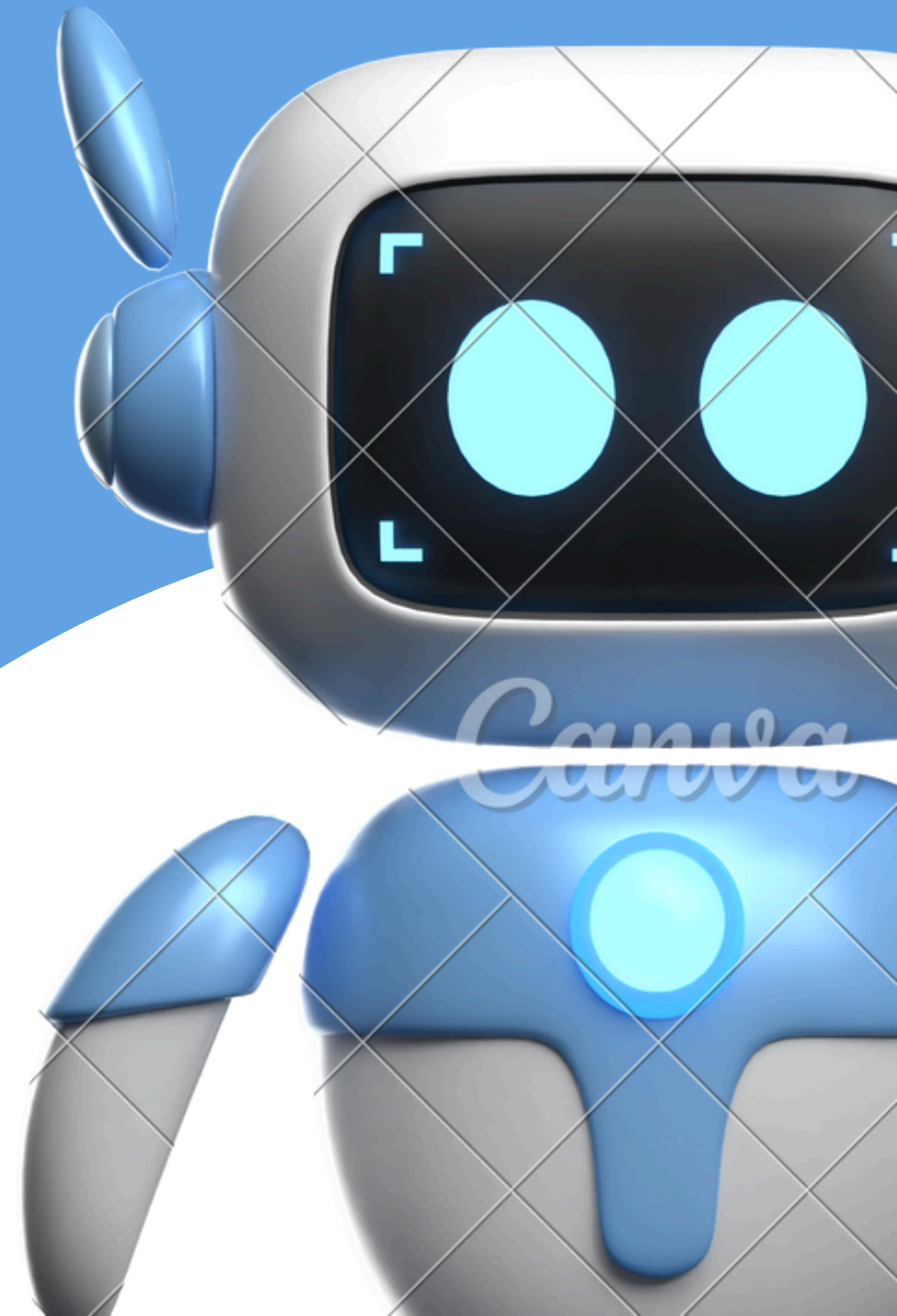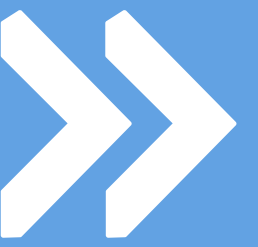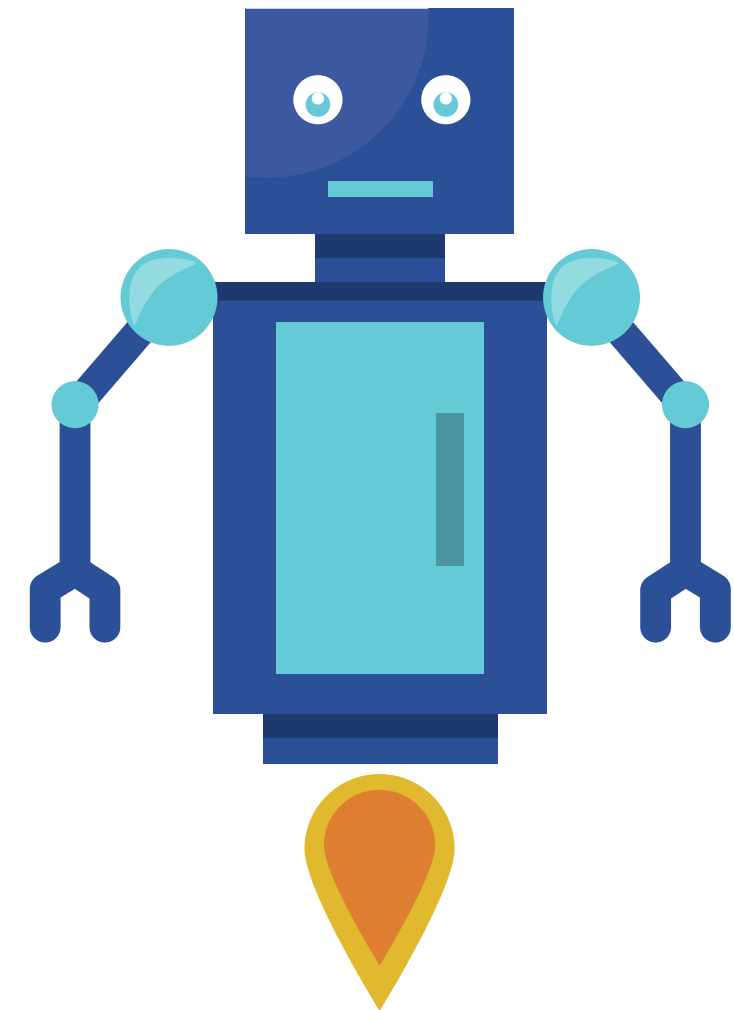Online course platform

A platform offers courses, instructors, registered users, and certificates.
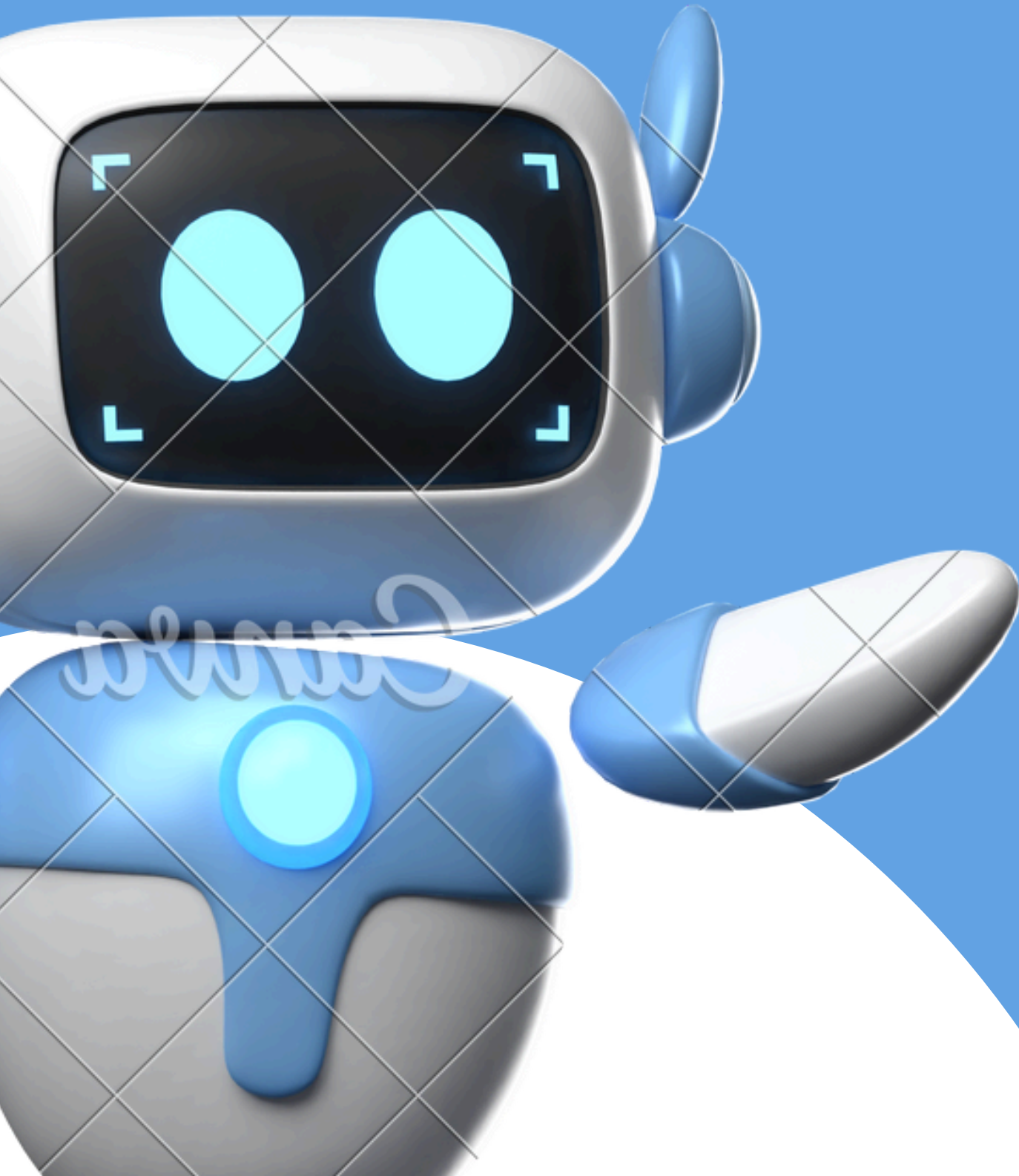Each course is taught by an instructor.
Users can enroll in multiple courses.
Upon completing a course, a certificate with the completion date can be issued.

Inspired by Udemy

OBJECTIVES

1 Avoid duplicate records or inconsistent data.

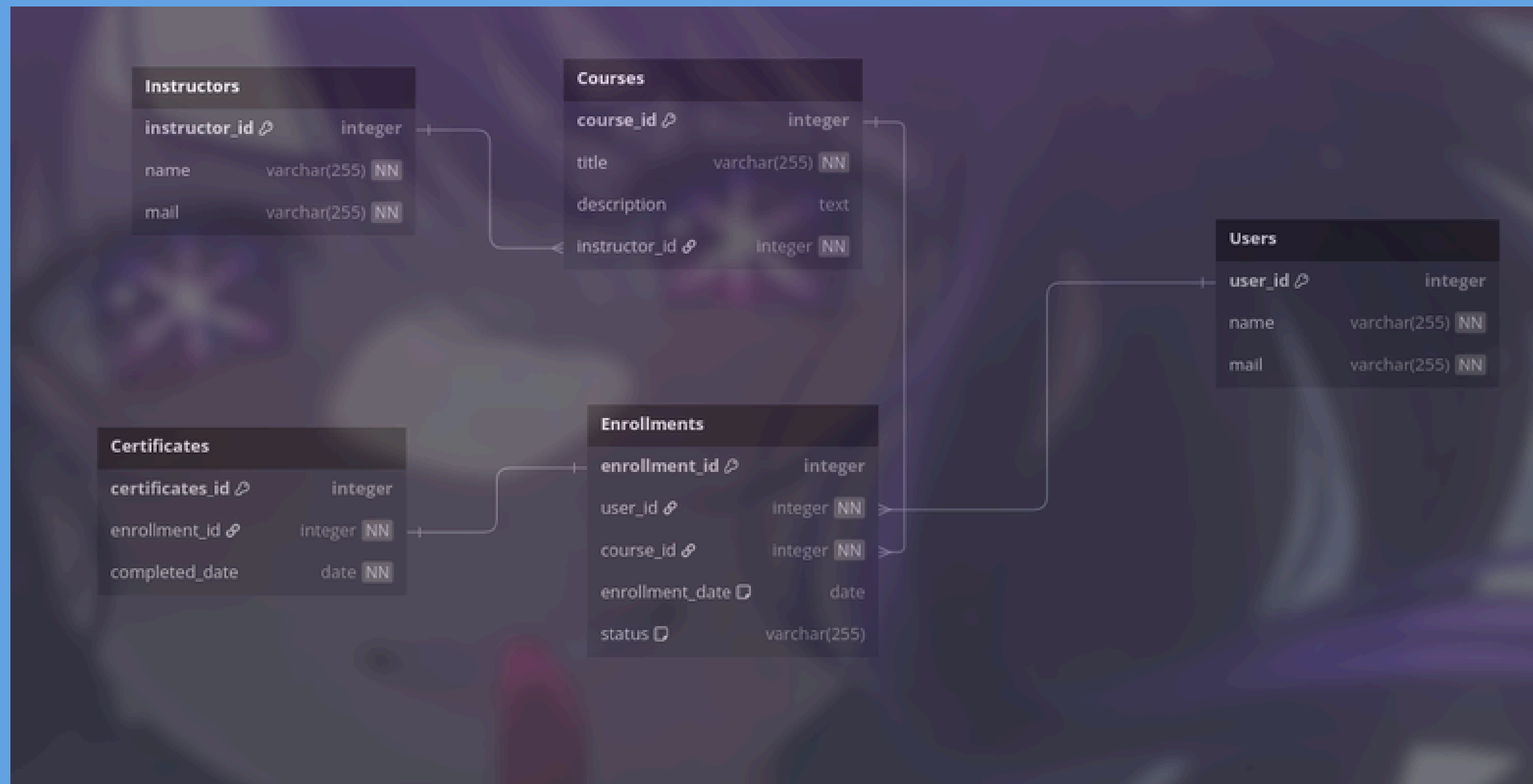**2** Handle thousands of users, courses, and enrollments without sacrificing performance.

3 Enable advanced reporting. Example: course completion rate, most popular instructors.
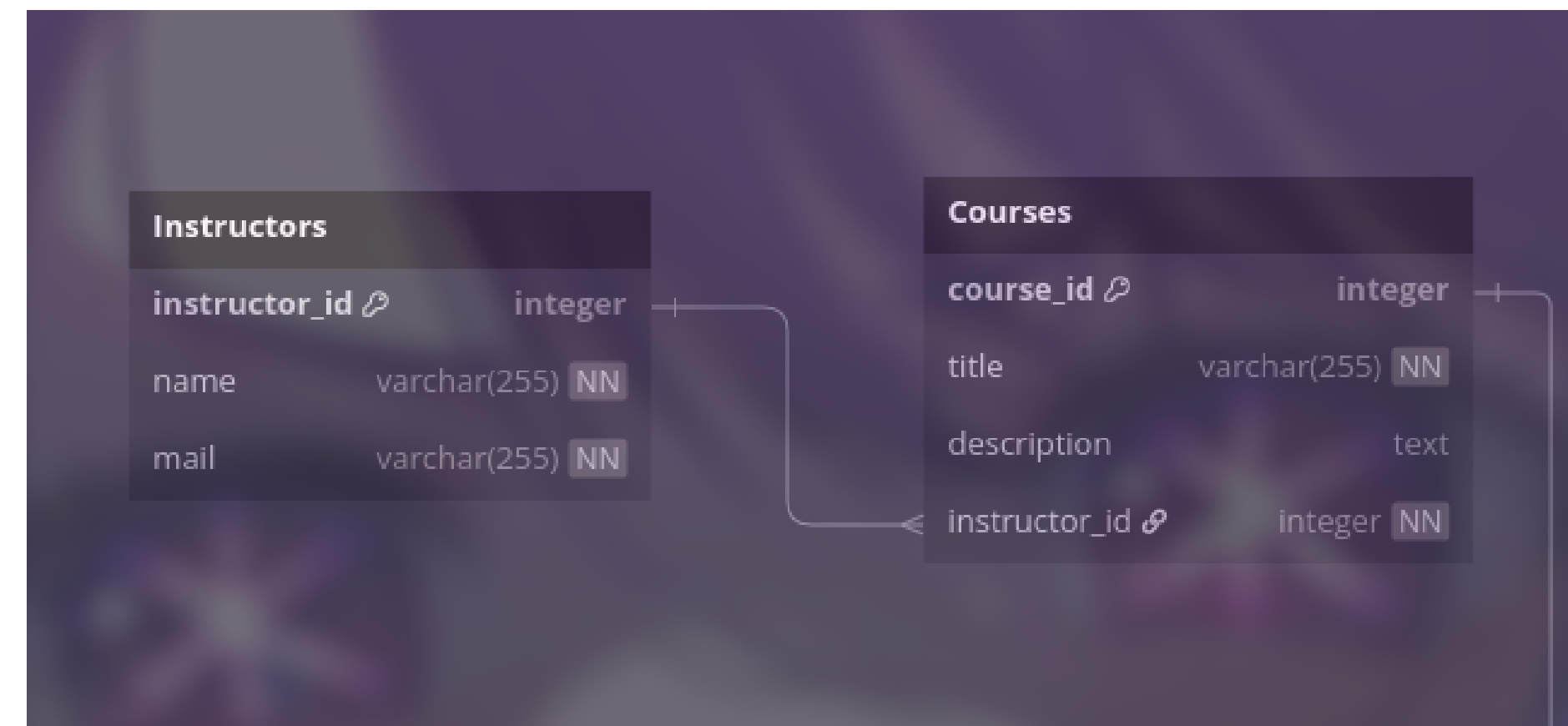
4 Adapt to new requirements without redesigning the entire database.
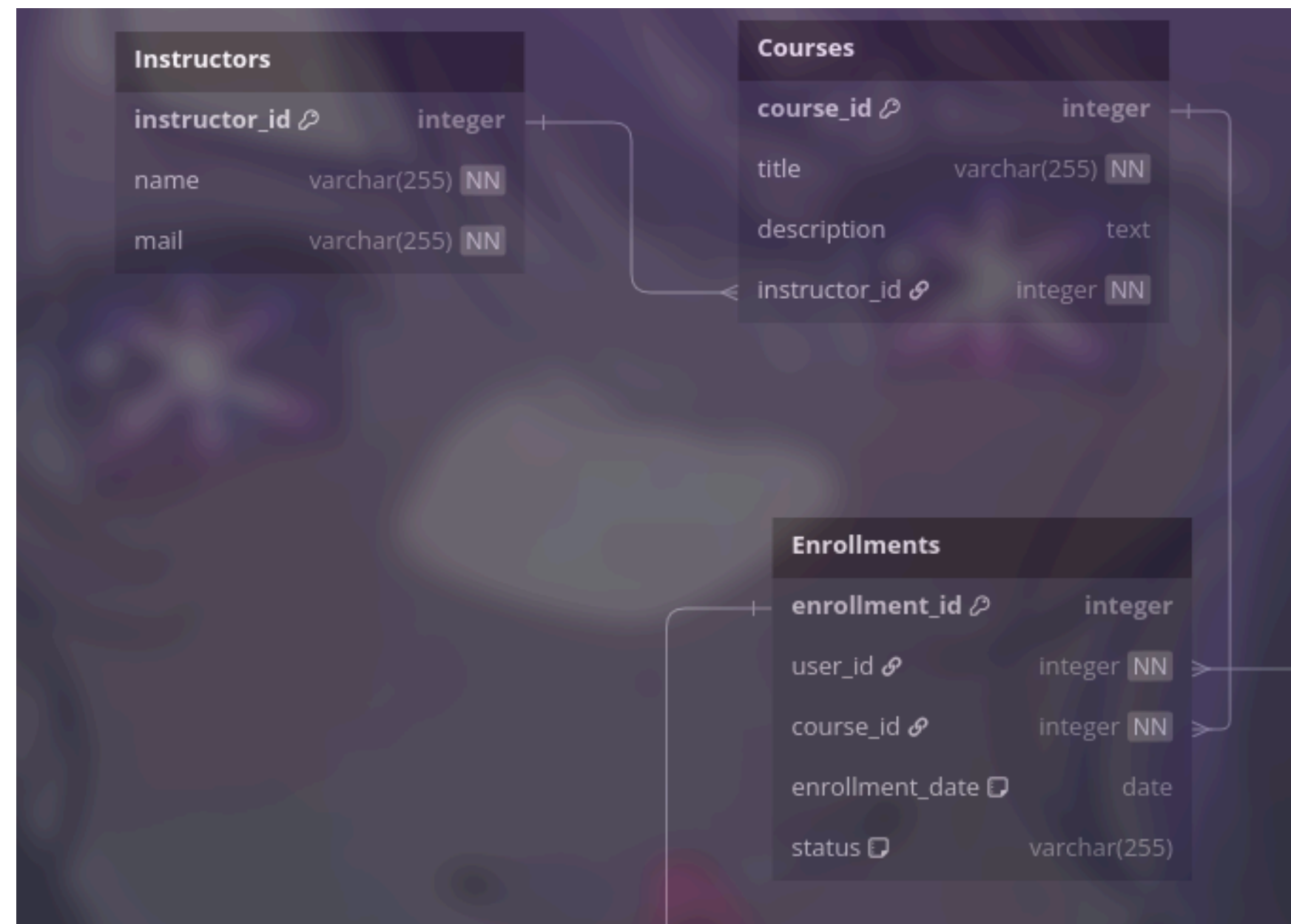
TABLES AND RELATIONSHIPS
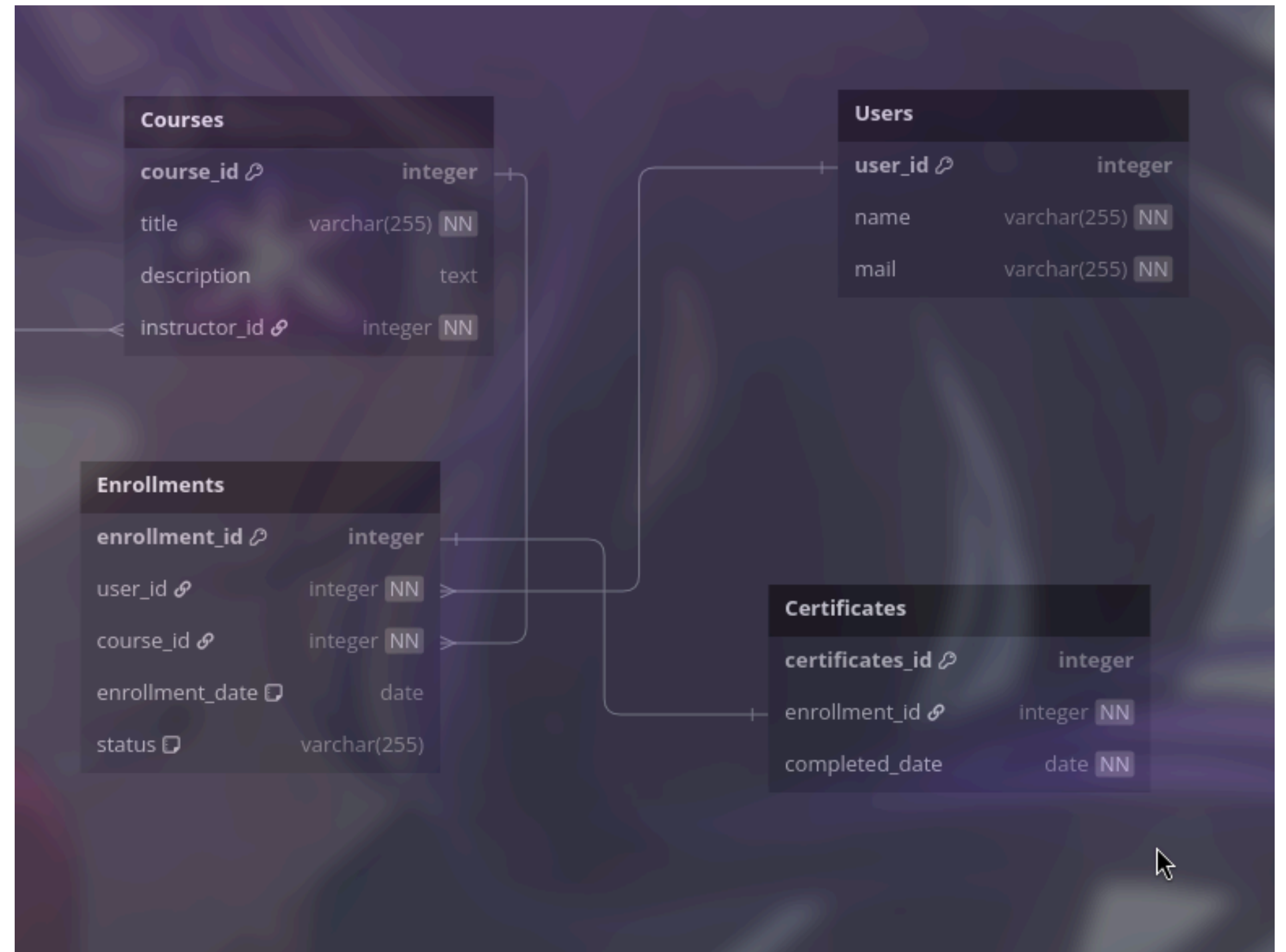
EXPLANATION OF THE MODELS

Instructors table: Manages information about instructors. An instructor can have many courses.
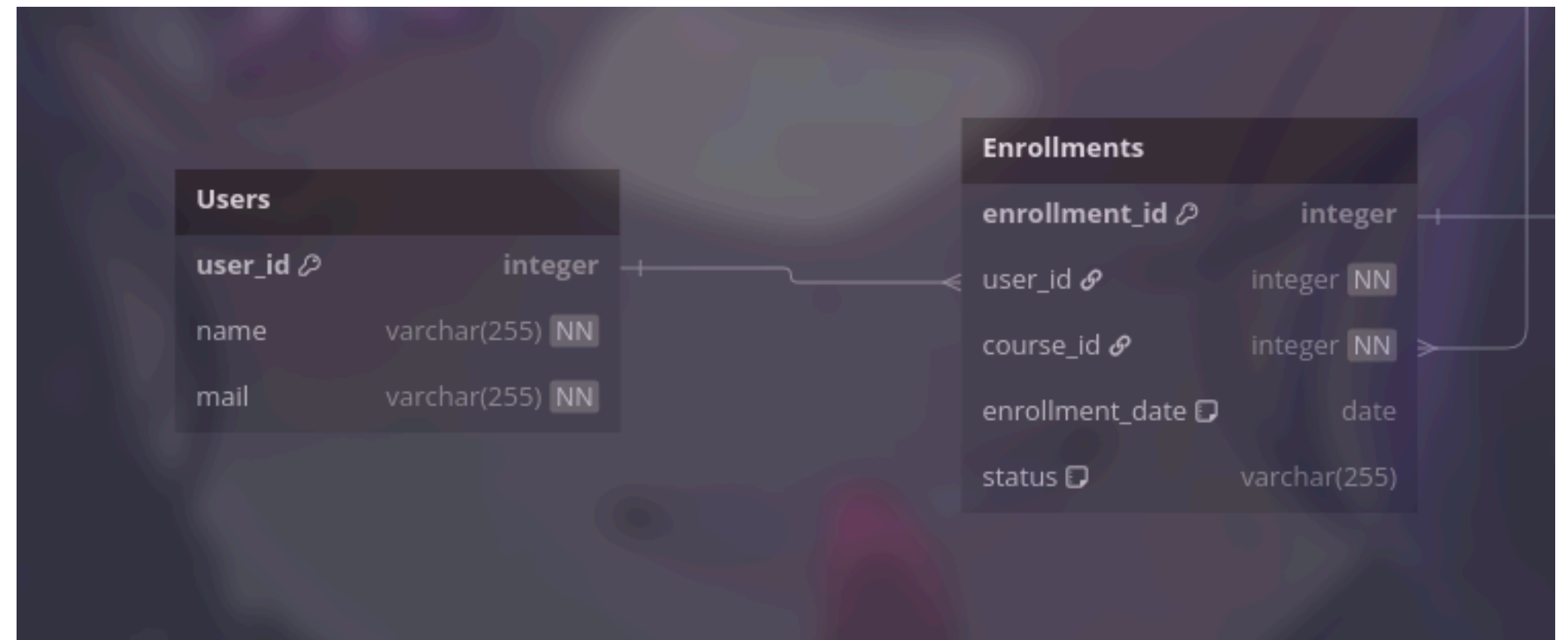
Courses table: Stores details of
the courses offered. A course can
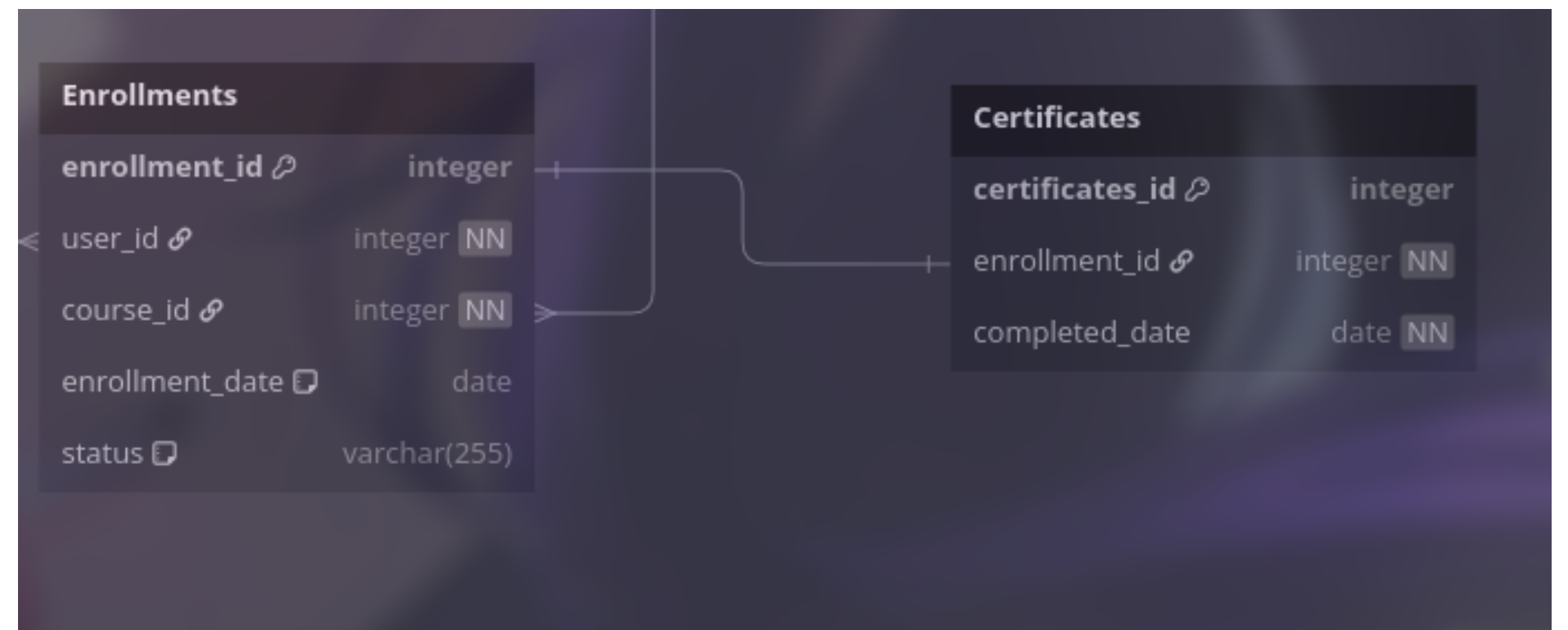have many enrollments.

Enrollments table: Links users to courses and tracks their progress. It also checks the status to issue a certificate.

Users table: Registers the platform's students. A user can have many enrollments.

Certificates table: Issues certificates upon course completion. A certificate can be linked to only one enrollment (1:1 relationship).

TYSM FOR YOUR ATTENTION!