Part 1: Requirement (PDF Format)

Describe the requirements of the problem with a simple document that lists the rules of the database in the problem domain language.

Design a toy database for Northeastern University's Khoury School of Computer Science student registration systems.

- Each student is uniquely identified by nuid. Each student has a first name, last name, a university email address.

- Each student can register for multiple courses and each course can have many students.

- For courses, they are uniquely identified by course_id. For example, both John and Jodi can teach the "Database" course, but the course_id is completely different from each other. Another example is if John teaches "Database" course in 2 consecutive semesters, the assigned course_id is completely different for different semesters. So, to sum up, course_id is always unique and never repeated.

- Each course has one instructor, and a class name. Although one class only has one instructor, an instructor may teach more than one classes.

- Each instructor has a unique instructor_id, first name, last name and university email.