Exercise 1: Identify Entities

Task 1: Creating a list of entities

Staff

- StaffID
- Position
- FirstName
- LastName

Student

- StudentID
- FirstName
- LastName
- Registered

Course

- CourseCode
- CourseName
- Task
- Quota

Rating

- TaskNum
- StudentID
- StaffID
- Score

Task 2: Domains and Attributes

Domains

IdentifiersOfStaff = t01 to t99

StaffPosition = string

PersonNames = string

IdentifiersOfStudents = s01 to s99

Years = 2020 to 2100

CodesOfCourses = c01 ... c99

NameOfCourses = string

NameOfTask = string

CourseQuotas = 00 ... 50

NumberOfTask = i00 to i05

ScoreNumbers = 00 ... 100

Attributes (жирным выделены Primary keys)

StaffID = *IdentifiersOfStaff*

Position = *StaffPosition*

FirstName = *PersonNames*

LastName = *PersonNames*

StudentID = *IdentifiersOfStudents*

Registered = *Years*

CourseCode = *CodesOfCourses*

CourseName = *NameOfCourses*

Task = *NameOfTask*

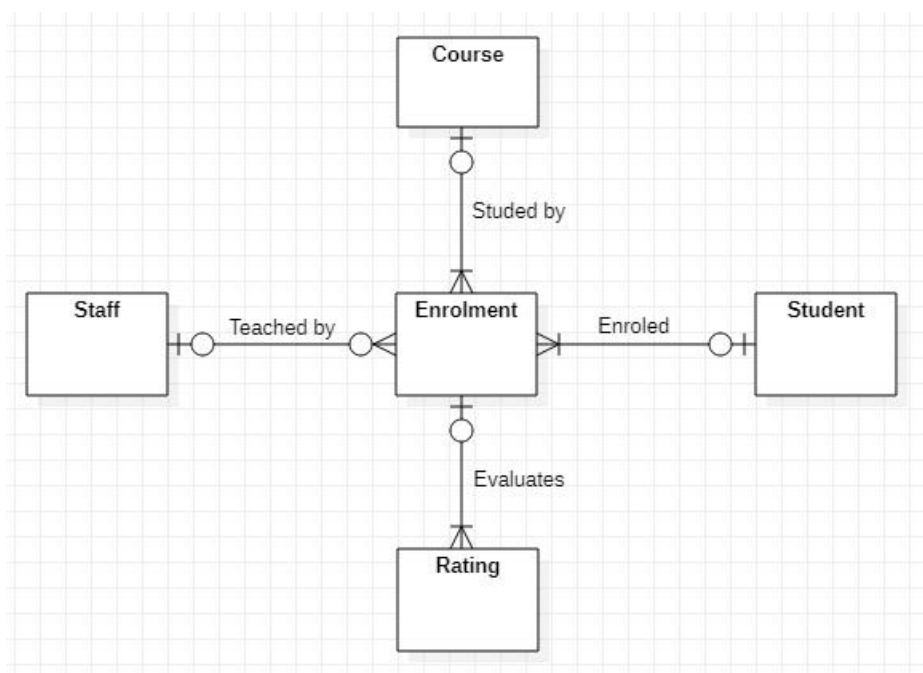Quota = *CourseQuotas*

IndexNum = *NumberOfIndex*

Score = *ScoreNumbers*

Exercise 2: Identify Relationships

Enrolment (подчёркнуты Foreign keys)

- <u>StaffID</u>
- <u>StudentID</u>
- <u>CourseCode</u>
- <u>TaskNum</u>
- Score

Task 3: Finalize

Каждый StudentID должен иметь минимум 2 StaffID с разными Position (наставник и репетитор).

Каждый StaffID должен иметь минимум 1 StudentID.

Каждый TuskNum должен иметь Score.